

MUMBAI PORT TRUST
Civil Engineering Department

This Schedule of Rates will be known as **SOR 2017**

1. This Schedule of Rates (SOR) is effective from 20.07.2017.
2. The unit rates in this schedule of rates have been worked out on the basis of N.B.O. Rate Analysis and unit rates of materials (Annexure I) and labour (Annexure II) prevailing in the market during the period from February 2017 to March 2017.

Items for which N.B.O. Rate Analysis was not available, either an in-house Rate Analysis was used or current unit rates were ascertained by inquiries with specialist contractors.
3. The rates of material & labour considered in this Schedule of Rates are exclusive of all taxes. Following allowances are made in item rates of SOR.
 - (a) Contractor's profit and overheads (financing costs, site establishment costs, proportionate cost of Head Office Establishment, etc.) at 10% of the prime costs of the labour and material component.
 - (b) An allowance of 13.61% for PF contribution, 4.75% for Employee' insurance on Labour component has been made.
 - (c) Allowance for Service Tax/ GST is not provided in the SOR item rates, which may be accounted for in the estimates and paid separately in works as per prevailing rates.
 - (d) For items requiring use of water, water charges @1% of material cost have been considered in the rate analysis.
4. Extra water and sewerage charges payable to MCGM are to be borne by MbPT. An explicit provision @8% of the cost of work should be made separately for this in the estimate, wherever such charges are payable to the Municipal Corporation.
5. The Schedule of Rates is applicable to normal and bulk Permanent Original Civil Engineering Works at sites with reasonable vehicular access and with reasonable working areas in the city of Mumbai.
6. The Schedule may be used for bulk original work at Jawahar Dweep (Butcher Island) and Kennerly Island and marine works increasing these rates by 50% as usual.
7. This Schedule of Rates is not applicable to repair works, where the quantum of work in an individual item is less than full day's work for the normal complement of gang used for performing the item of work. Such works not only involve loss of productivity but also require higher

overheads, on account of larger mobilization and demobilization per unit of work and the incidence of these varies between wide limits. Judgement should be used in framing estimate for such repair works.

8. The Schedule of Rates is not applicable to marine project works or to works – major or minor at offshore sites.
9. The market survey for the unit rates for material and labour and computations for arriving at final individual item rates for various items was done by the following Engineers.

- | | |
|--|---------------|
| (i) Mr.B. Dinakar - Superintending Engineer | - Team Leader |
| (ii) Mr.Girish A.Shirsat - Executive Engineer | - Team Member |
| (iii) Mr.Thomas Paul - Asst. Executive Engineer | - Team Member |
| (iv) Mr.Sateesh S. Pillai - Asst. Executive Engineer | - Team Member |
| (v) Mr.Nitin B. Parab - Junior Engineer | - Team Member |
| (vi) Mr.Y.M. Daundkar - Junior Engineer | - Team Member |
| (vii) Mr.Pramod R.Gujrathi - Junior Engineer | - Team Member |
| (viii) Mr.Y.J. Purav - Junior Engineer | - Team Member |
| (ix) Mr.Sachin Parab - Junior Engineer | - Team Member |

The input rates have been checked by Finance Dept. Final rates of items have been approved by the undersigned.

My grateful thanks to all the above officers for the excellent work done by them.

10. The basic material & labour input rates of this Schedule of Rates is duly concurred in audit vide Finance Dept.'s office No.FA/AWC-T-34(58)/SOR-2017/560 dated 19.06.2017.
11. The rate analysis sheets of this SOR (SOR 2017) are kept in the custody of Sr.Administrative Officer for reference/ suggestions. Although due care has been taken in checking and re-checking the input and computations, there could be some errors. Any Officer who detects such errors may kindly bring them with necessary supporting details to the notice of undersigned, who will verify and issue correction slips.
12. Unit rates of certain materials are likely to change rather suddenly. Anybody who has information on such increases may kindly bring it to the notice of undersigned, who may after verification will issue correction slips.

(R. Murugadoss)
Chief Engineer

Mumbai Port Trust
Schedule of Rates 2017

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I - Soil Investigation

Sr. No.	Item Description	Rate in `	Unit
1	Provide shell & auger rig complete with all accessories at site including returning the same on completion as directed.	15,000.00	Rig
2	Providing rotary core drilling equipments, compressors, etc. complete at site and returning the same on completion as directed.	30,000.00	Rig
3	Erect, dismantle and move boring rig with drilling equipment at each bore-hole complete as directed.	1,600.00	Each
4	Bore with shell and auger or by percussion method in all soils other than rock to a depth below ground level complete as directed.		
	(i) Not exceeding 5 Mtrs.	900.00	Mtr.
	(ii) Between 5 Mtrs. and 10 Mtrs.	1,000.00	Mtr.
	(iii) Between 10 Mtrs. and 15 Mtrs.	1,100.00	Mtr.
	(iv) Between 15 Mtrs. and 20 Mtrs.	1,200.00	Mtr.
	(v) Between 20 Mtrs. and 25 Mtrs.	1,200.00	Mtr.
	(vi) Between 25 Mtrs. and 30 Mtrs.	1,300.00	Mtr.
5	Rotary core drilling in Rock & take continuous rock core to a depth below ground level with Tungstun Carbide bits complete as directed.		
	(i) Not exceeding 5 Mtrs.	1,200.00	Mtr.
	(ii) Between 5 Mtrs. and 10 Mtrs.	1,300.00	Mtr.
	(iii) Between 10 Mtrs. and 15 Mtrs.	1,400.00	Mtr.
	(iv) Between 15 Mtrs. and 20 Mtrs.	1,500.00	Mtr.
	(v) Between 20 Mtrs. and 25 Mtrs.	1,600.00	Mtr.
	(vi) Between 25 Mtrs. and 30 Mtrs.	1,700.00	Mtr.
	(vii) Between 30 Mtrs. and 35 Mtrs.	1,800.00	Mtr.
6	Take disturbed samples of soil as directed.	500.00	Each
7	Take undisturbed samples of soil as directed.	500.00	Each
8	Carry out standard vane shear test		
	(i) Upto 10 Mtrs.	1,000.00	Each
	(ii) Between 10 Mtrs. and 20 Mtrs.	2,000.00	Each
9	Carry out standard penetration test		
	(i) Upto 10 Mtrs.	300.00	Each
	(ii) Between 10 Mtrs. and 20 Mtrs.	400.00	Each
10	Providing & installing piezometers at the location of each bore holes for study of fluctuations in water table (Water table studies to be carried out weekly for a period of 3 months) with regular weekly interval and predetermined time & day each week and depth of water recorded with	3,000.00	Each

I - Soil Investigation

Sr. No.	Item Description	Rate in `	Unit
	respect to the reduced level. Diurnal variations to be noted for 3 selected weeks during the period of observations and report submitted.		
	<u>Laboratory Tests</u>		
	(A) – Test on UDS Soil Samples		
11	Field dry density and NMC.	300.00	Each
12	Sieve Analysis.	400.00	Each
13	(UU) Direct shear.	1,000.00	Each
14	Atterberge Limit.	500.00	Each
15	Consolidation.	3,000.00	Each
16	(UU) Tri-axial compressive.	2,000.00	Each
17	Sieve plus hydrometer.	1,000.00	Each
18	Consolidated drained tri-axial compressive.	3,500.00	Each
	(B) - On Filter Sand Sample		
19	Sieve Analysis with D-10, D-60, CU+Sp. Gravity	1,500.00	Each
20	Standard Proctor Compressive	2,000.00	Each
21	Modified Standard Proctor Compressive	2,500.00	Each
22	Lab CBR, Soaked – Unsoaked	2,500.00	Each
23	Pile load test - Vary as per dia.	32,990.00	M.T.
24	Cyclic Load Test - Vary as per dia.	49,490.00	M.T.
	(C) – Test on Rock Core Sample		
25	Crushing Strength	600.00	Each
26	Point Load	1,000.00	Each
27	Brazillian	1,000.00	Each
28	E-Value	1,500.00	Each
29	Water Absorption	400.00	Each
30	Dry Density	400.00	Each
31	Wet Density	400.00	Each
32	Porosity	200.00	Each
33	Submerse Density	1,133.00	Each
34	Teri-axial Compression	5,438.00	Each

I - Soil Investigation

Sr. No.	Item Description	Rate in `	Unit
	(D) – Test on Aggregate Sample		
35	Sieve Analysis	1,250.00	Each
36	Water Absorption	500.00	Each
37	Specific Gravity	500.00	Each
38	Impact Value %	750.00	Each
39	Crushing Value %	1,000.00	Each
40	L.A. Abrasion Value	1,350.00	Each
41	Combined flakiness & Elongation Indices	1,580.00	Each
	(E) – Test on River Sand/ Crushed Sand		
42	Sieve Analysis, Silt content & Fineness Modulus	1,250.00	Each
43	Specific Gravity	500.00	Each
44	Loose & Vibrated Density	750.00	Each
45	Bulking of Sand	1,000.00	Each
	(F) – Test on Filter Media		
46	Sieve Analysis with Uniformity Coefficient & Sp. Gravity	1,800.00	Each
	(G) – Test on Bitumen Sample		
47	Penetration at 25 Deg.C	750.00	Each
48	Softening Point (Ring & ball)	750.00	Each
49	Ductility at 27 Deg.C	750.00	Each
50	Specific Gravity of Bitumen	750.00	Each
	(H) – Test on Bituminous Mixes, Asphaltic Macadam & Concrete etc.		
51	Bitumen Content & gradation	1,580.00	Each
52	Flow Value	190.00	Each
53	Compacted Density	190.00	Each
54	Marshall Stability in Kg.	760.00	Each
	(I) – Test on Mastic Asphalt		
55	Hardness No.	3,600.00	Each
56	Bitumen Content and Gradation	2,250.00	Each

I - Soil Investigation

Sr. No.	Item Description	Rate in `	Unit
	(J) – Mix Designs		
57	Asphaltic Concrete	15,300.00	Each
58	Bituminous Macadam	10,500.00	Each
59	Dense Bituminous Macadam	15,300.00	Each
60	Semi Dense Asphaltic Concrete	15,300.00	Each
61	Dense Asphaltic concrete	15,300.00	Each
62	Granular Sub- Base	15,300.00	Each
63	Wet Mix Macadam	13,380.00	Each
	(K) – Crumb Rubber Modified Bitumen & Polymer Modified Bitumen		
64	All Tests as per IS	16,500.00	Each

			Earlier Rate in `	To adopt in SOR 2014				
Sr. No.	Description of Material	Unit (per)		RATE in `				
				Approved	MIN.	Quotation No.1	Quotation No.2	Quotation No.3
<u>SECTION - I</u> <u>SOIL INVESTIGATION</u>							AICPI in April 2014 =	1,120
							AICPI in Jan. 2017 =	1,269
						% rise =	13.30	
1.	Provide shell & auger rig complete	Rig	15,000.00	15,000.00	15,000.00	15,000.00		
2.	Providing rotary core drilling	Rig	20,000.00	30,000.00	30,000.00	30,000.00		
3.	Erect, dismantle and move boring rig	Each	1,000.00	1,600.00	1,600.00	1,600.00		
4.	Bore with shell and auger or by							
(i)	Not exceeding 5 Mtrs.	Mtr.	600.00	900.00	900.00	900.00		
(ii)	Between 5 Mtrs. and 10 Mtrs.	Mtr.	700.00	1,000.00	1,000.00	1,000.00		
(iii)	Between 10 Mtrs. and 15 Mtrs.	Mtr.	900.00	1,100.00	1,100.00	1,100.00		
(iv)	Between 15 Mtrs. and 20 Mtrs.	Mtr.	1,000.00	1,200.00	1,200.00	1,200.00		
(v)	Between 20 Mtrs. and 25 Mtrs.	Mtr.	1,100.00	1,200.00	1,200.00	1,200.00		
(vi)	Between 25 Mtrs. and 30 Mtrs.	Mtr.	1,200.00	1,300.00	1,300.00	1,300.00		
5.	Rotary core drilling in Rock & take							
(i)	Not exceeding 5 Mtrs.	Mtr.	700.00	1,200.00	1,200.00	1,200.00		
(ii)	Between 5 Mtrs. and 10 Mtrs.	Mtr.	800.00	1,300.00	1,300.00	1,300.00		
(iii)	Between 10 Mtrs. and 15 Mtrs.	Mtr.	1,000.00	1,400.00	1,400.00	1,400.00		
(iv)	Between 15 Mtrs. and 20 Mtrs.	Mtr.	1,200.00	1,500.00	1,500.00	1,500.00		
(v)	Between 20 Mtrs. and 25 Mtrs.	Mtr.	1,400.00	1,600.00	1,600.00	1,600.00		

Sr. No.	Description of Material	Unit (per)	Earlier Rate in `	To adopt in SOR 2014				
				RATE in `				
				Approved	MIN.	Quotation No.1	Quotation No.2	Quotation No.3
(vi)	Between 25 Mtrs. and 30 Mtrs.	Mtr.	1,500.00	1,700.00	1,700.00	1,700.00 G1		
(vii)	Between 30 Mtrs. and 35 Mtrs.	Mtr.	1,600.00	1,800.00	1,800.00	1,800.00 G1		
6.	Take disturbed samples of soil as	Each	300.00	500.00	500.00	500.00 G1		
7.	Take undisturbed samples of soil as	Each	500.00	500.00	500.00	500.00 G1		
8.	Carry out standard vane shear test							
(i)	Upto 10 Mtrs.	Each	1,500.00	1,000.00	1,000.00	1,000.00 G1		
(ii)	Between 10 Mtrs. and 20 Mtrs.	Each	1,800.00	2,000.00	2,000.00	2,000.00 G1		
9.	Carry out standard penetration test							
(i)	Upto 10 Mtrs.	Each	300.00	300.00	300.00	300.00 G1		
(ii)	Between 10 Mtrs. and 20 Mtrs.	Each	400.00	400.00	400.00	400.00 G1		
10.	Providing & installing piezometers at	Each	5,000.00	3,000.00	3,000.00	3,000.00 G1		
	<u>Laboratory Tests</u>							
	(A) – Test on UDS Soil Samples							
11.	Field dry density and NMC.	Each	300.00	300.00	300.00	300.00 G1		
12.	Sieve Analysis.	Each	2,300.00	400.00	400.00	400.00 G1		
13.	(UU) Direct shear.	Each	2,300.00	1,000.00	1,000.00	1,000.00 G1		
14.	Atterberge Limit.	Each	480.00	500.00	500.00	500.00 G1		
15.	Consolidation.	Each	2,500.00	3,000.00	3,000.00	3,000.00 G1		

Sr. No.	Description of Material	Unit (per)	Earlier Rate in `	To adopt in SOR 2014				
				RATE in `				
				Approved	MIN.	Quotation No.1	Quotation No.2	Quotation No.3
16.	(UU) Tri-axial compressive.	Each	3,600.00	2,000.00	2,000.00	2,000.00 G1		
17.	Sieve plus hydrometer.	Each	2,000.00	1,000.00	1,000.00	1,000.00 G1		
18.	Consolidated drained tri-axial	Each	4,500.00	3,500.00	3,500.00	3,500.00 G1		
	(B) - On Filter Sand Sample							
19.	Sieve Analysis with D-10, D-60, CU+Sp.	Each	3,100.00	1,500.00	1,500.00	1,500.00 G1		
20.	Standard Proctor Compressive	Each	2,300.00	2,000.00	2,000.00	2,000.00 G1		
21.	Modified Standard Proctor Compressive	Each	1,080.00	2,500.00	2,500.00	2,500.00 G1		
22.	Lab CBR, Soaked – Unsoaked	Each	1,300.00	2,500.00	2,500.00	2,500.00 G1		
23.	Pile load test - Vary as per dia.	Each	29,120.00	32,990.00	32,992.96	32,992.96		
24.	Cyclic Load Test - Vary as per dia.	Each	43,680.00	49,490.00	49,489.44	49,489.44		
	(C) – Test on Rock Core Sample							
25.	Crushing Strength	Each	1,200.00	600.00	600.00	600.00 G1		
26.	Point Load	Each	600.00	1,000.00	1,000.00	1,000.00 G1		
27.	Brazillian	Each	600.00	1,000.00	1,000.00	1,000.00 G1		
28.	E-Value	Each	3,000.00	1,500.00	1,500.00	1,500.00 G1		
29.	Water Absorption	Each	500.00	400.00	400.00	400.00 G1		
30.	Dry Density	Each	500.00	400.00	400.00	400.00 G1		
31.	Wet Density	Each	240.00	400.00	400.00	400.00 G1		

Sr. No.	Description of Material	Unit (per)	Earlier Rate in `	To adopt in SOR 2014				
				RATE in `				
				Approved	MIN.	Quotation No.1	Quotation No.2	Quotation No.3
32.	Porosity	Each	800.00	200.00	200.00	200.00 G1		
33.	Submerse Density	Each	1,000.00	1,133.00	1,133.00	1,133.00 Rate increased by 13.30% as per AICPI rise		
34.	Teri-axial Compression	Each	4,800.00	5,438.00	5,438.40	5,438.40 Rate increased by 13.30% as per AICPI rise		
(D) – Test on Aggregate Sample								
35.	Sieve Analysis	Each	1,250.00	1,250.00	1,250.00	1,250.00 VJTI		
36.	Water Absorption	Each	500.00	500.00	500.00	500.00 VJTI		
37.	Specific Gravity	Each	500.00	500.00	500.00	500.00 VJTI		
38.	Impact Value %	Each	750.00	750.00	750.00	750.00 VJTI		
39.	Crushing Value %	Each	1,000.00	1,000.00	1,000.00	1,000.00 VJTI		
40.	L.A. Abrasion Value	Each	1,350.00	1,350.00	1,350.00	1,350.00 VJTI		
41.	Combined flakiness & Elongation Indices	Each	1,580.00	1,580.00	1,575.00	1,575.00 VJTI		
(E) – Test on River Sand/ Crushed Sand								
42.	Sieve Analysis, Silt content & Fineness	Each	1,250.00	1,250.00	1,250.00	1,250.00 VJTI		
43.	Specific Gravity	Each	500.00	500.00	500.00	500.00 VJTI		
44.	Loose & Vibrated Density	Each	750.00	750.00	750.00	750.00 VJTI		
45.	Bulking of Sand	Each	1,000.00	1,000.00	1,000.00	1,000.00 VJTI		
(F) – Test on Filter Media								
46.	Sieve Analysis with Uniformity Coefficient & Sp. Gravity	Each	1,800.00	1,800.00	1,800.00	1,800.00 VJTI		

Sr. No.	Description of Material	Unit (per)	Earlier Rate in `	To adopt in SOR 2014				
				RATE in `				
				Approved	MIN.	Quotation No.1	Quotation No.2	Quotation No.3
	(G) – Test on Bitumen Sample							
47.	Penetration at 25 Deg.C	Each	750.00	750.00	750.00	750.00 VJTI		
48.	Softening Point (Ring & ball)	Each	750.00	750.00	750.00	750.00 VJTI		
49.	Ductility at 27 Deg.C	Each	750.00	750.00	750.00	750.00 VJTI		
50.	Specific Gravity of Bitumen	Each	750.00	750.00	750.00	750.00 VJTI		
	(H) – Test on Bituminous Mixes, Asphaltic Macadam & Concrete etc.							
51.	Bitumen Content & gradation	Each	1,580.00	1,580.00	1,575.00	1,575.00 VJTI		
52.	Flow Value	Each	170.00	190.00	192.61	192.61 Rate increased by 13.30% as per AICPI rise		
53.	Compacted Density	Each	170.00	190.00	192.61	192.61 Rate increased by 13.30% as per AICPI rise		
54.	Martial Stability in Kg.	Each	670.00	760.00	759.11	759.11 Rate increased by 13.30% as per AICPI rise		
	(I) – Test on Mastic Asphalt							
55.	Hardness No.	Each	3,600.00	3,600.00	3,600.00	3,600.00 VJTI		
56.	Bitumen Content and Gradation	Each	2,250.00	2,250.00	2,250.00	2,250.00 VJTI		
	(J) – Mix Designs							
57.	Asphaltic Concrete	Each	13,500.00	15,300.00	15,295.50	15,295.50 Rate increased by 13.30% as per AICPI rise		
58.	Bituminous Macadam	Each	13,500.00	10,500.00	10,500.00	10,500.00 VJTI		
59.	Dense Bituminous Macadam	Each	13,500.00	15,300.00	15,295.50	15,295.50 Rate increased by 13.30% as per AICPI rise		

Sr. No.	Description of Material	Unit (per)	Earlier Rate in `	To adopt in SOR 2014				
				RATE in `				
				<u>Approved</u>	<u>MIN.</u>	Quotation No.1	Quotation No.2	Quotation No.3
60.	Semi Dense Asphaltic Concrete	Each	13,500.00	15,300.00	15,295.50	15,295.50		
						Rate increased by 13.30% as per AICPI rise		
61.	Dense Asphaltic concrete	Each	13,500.00	15,300.00	15,295.50	15,295.50		
						Rate increased by 13.30% as per AICPI rise		
62.	Granular Sub- Base	Each	13,500.00	15,300.00	15,295.50	15,295.50		
						Rate increased by 13.30% as per AICPI rise		
63.	Wet Mix Macadam	Each	11,810.00	13,380.00	13,380.73	13,380.73		
						Rate increased by 13.30% as per AICPI rise		
	(K) – Crumb Rubber Modified Bitumen & Polymer Modified Bitumen							
64.	All Tests as per IS	Each	14,560.00	16,500.00	16,496.48	16,496.48		
						Rate increased by 13.30% as per AICPI rise		

II - Pile Foundation

Sr. No.	Item Description	Rate in `	Unit
1	Boring for cast in situ pile using grab/ bailer & steel casing upto required depth through any soil or material not requiring use of chisel, including preliminary surface excavation through asphaltic pavement and sub base of rubble packing/ stone metalling where necessary for starting boring, remove and transport/ dumping the bored/ excavated material anywhere outside MbPT estate complete as directed.		
	(a) pile not exceeding 500 mm in dia.	1,200.00	Mtr.
	(b) pile 550 mm in dia.	1,250.00	Mtr.
	(c) pile 600 mm in dia.	1,300.00	Mtr.
	(d) pile 650 mm in dia.	1,400.00	Mtr.
	(e) pile 700 mm in dia.	1,500.00	Mtr.
	(f) pile 750 mm in dia.	1,500.00	Mtr.
	(g) pile 800 mm in dia.	1,600.00	Mtr.
	(h) pile 850 mm in dia.	1,650.00	Mtr.
	(i) pile 900 mm in dia.	2,000.00	Mtr.
	(j) pile 950 mm in dia.	2,100.00	Mtr.
	(k) pile 1000 mm in dia.	2,200.00	Mtr.
	(l) pile 1050 mm in dia.	2,200.00	Mtr.
	(m) pile 1100 mm in dia.	2,400.00	Mtr.
	(n) pile 1150 mm in dia.	2,400.00	Mtr.
	(o) pile 1200 mm in dia.	2,500.00	Mtr.
2	Boring for cast in situ pile using chisel & steel casing upto required depth through hard strata/ rocks/ boulders or other material requiring use of chisel including removing and transporting the bored materials anywhere outside MbPT estate complete as directed.		
	(a) pile not exceeding 500 mm in dia.	1,800.00	Mtr.
	(b) pile 550 mm in dia.	1,800.00	Mtr.
	(c) pile 600 mm in dia.	1,900.00	Mtr.
	(d) pile 650 mm in dia.	1,950.00	Mtr.
	(e) pile 700 mm in dia.	2,100.00	Mtr.
	(f) pile 750 mm in dia.	2,200.00	Mtr.
	(g) pile 800 mm in dia.	2,400.00	Mtr.
	(h) pile 850 mm in dia.	2,400.00	Mtr.
	(i) pile 900 mm in dia.	2,500.00	Mtr.
	(j) pile 950 mm in dia.	2,600.00	Mtr.

II - Pile Foundation

Sr. No.	Item Description	Rate in `	Unit
	(k) pile 1000 mm in dia.	2,700.00	Mtr.
	(l) pile 1050 mm in dia.	2,750.00	Mtr.
	(m) pile 1100 mm in dia.	3,000.00	Mtr.
	(n) pile 1150 mm in dia.	3,000.00	Mtr.
	(o) pile 1200 mm in dia.	3,650.00	Mtr.
3	Clean thoroughly the bore-holes of pile of any diameter by approved method until the bore is cleaned complete as directed.	1,500.00	Each
4	RCC M-20 grade or (1:1.5:3) in cast in situ pile of any diameter excluding reinforcement but including cutting surplus concrete, dressing the top surface of pile and interlacing reinforcement bars into pile caps complete as directed (Payment for concrete shall be for nominal cross section of pile multiplied by payable length).	7,115.00	Cu.M.
	(a) Extra over rate for Item No.4 above for adding admix corrosion inhibiting admixture, Polyalk CP293 or equivalent procured from approved manufacturer @500 ml. per bag of cement as per maker's specifications.	780.00	Cu.M.
5	Filling the pile bore of any diameter of pile with approved material including consolidation and watering etc. complete as directed (Payment shall be for nominal cross section of bore multiplied by length of bore filled).	620.00	Cu.M.
6	Carrying out static load test on pile including supplying, arranging and removing kentlage for 1.5 times the safe bearing capacity claimed for the pile complete as directed (safe bearing capacity not exceeding 100 MT).	125,000.00	Each
7	Extra over item No.6 above for each excess of safe bearing capacity of 10 MT or part thereof over 100 MT.	9,000.00	Each
8	Providing and fixing m.s. reinforcement for RCC pile members including cutting, bending, placing in position, binding complete as directed (binding wire will not be payable).	6,060.00	qntl.
9	Providing and fixing high yield strength deformed bars reinforcement for RCC pile members including cutting, bending, placing in position, binding	6,360.00	qntl.

II - Pile Foundation

Sr. No.	Item Description	Rate in `	Unit
	complete as directed (binding wire will not be payable).		
10	Cement concrete (1:1.5:3) or M20 grade in R.C.C. members including cost of formwork but excluding reinforcement in pile caps and plinth beams complete as directed.	7,115.00	Cu.M.
	(a) Extra over rate for Item No.10 above for adding admix corrosion inhibiting admixture, Polyalk CP293 or equivalent procured from approved manufacturer @500 ml. per bag of cement as per maker's specifications.	780.00	Cu.M.

			Earlier Rate in `	To adopt in SOR 2014				
Sr. No.	Description of Material	Unit (per)		RATE in `				
				Approved	MIN.	Quotation No.1	Quotation No.2	Quotation No.3
<u>SECTION - II</u> <u>PILE FOUNDATION</u>							AICPI in April 2014 = AICPI in Jan. 2017 = % rise =	1,120 1,269 13.30
1.	Boring for cast in situ pile using grab/							
(a)	pile not exceeding 500 mm in dia.	Mtr.	850.00	1,200.00	1,200.00	1,200.00 G1		
(b)	pile 550 mm in dia.	Mtr.	900.00	1,250.00	1,250.00	1,250.00 G1		
(c)	pile 600 mm in dia.	Mtr.	1,000.00	1,300.00	1,300.00	1,300.00 G1		
(d)	pile 650 mm in dia.	Mtr.	1,050.00	1,400.00	1,400.00	1,400.00 G1		
(e)	pile 700 mm in dia.	Mtr.	1,100.00	1,500.00	1,500.00	1,500.00 G1		
(f)	pile 750 mm in dia.	Mtr.	1,150.00	1,500.00	1,500.00	1,500.00 G1		
(g)	pile 800 mm in dia.	Mtr.	1,300.00	1,600.00	1,600.00	1,600.00 G1		
(h)	pile 850 mm in dia.	Mtr.	1,350.00	1,650.00	1,650.00	1,650.00 G1		
(i)	pile 900 mm in dia.	Mtr.	1,450.00	2,000.00	2,000.00	2,000.00 G1		
(j)	pile 950 mm in dia.	Mtr.	1,500.00	2,100.00	2,100.00	2,100.00 G1		
(k)	pile 1000 mm in dia.	Mtr.	1,600.00	2,200.00	2,200.00	2,200.00 G1		
(l)	pile 1050 mm in dia.	Mtr.	1,700.00	2,200.00	2,200.00	2,200.00 G1		
(m)	pile 1100 mm in dia.	Mtr.	1,750.00	2,400.00	2,400.00	2,400.00 G1		
(n)	pile 1150 mm in dia.	Mtr.	1,800.00	2,400.00	2,400.00	2,400.00 G1		
(o)	pile 1200 mm in dia.	Mtr.	1,900.00	2,500.00	2,500.00	2,500.00 G1		

Sr. No.	Description of Material	Unit (per)	Earlier Rate in `	To adopt in SOR 2014				
				RATE in `				
				<u>Approved</u>	<u>MIN.</u>	Quotation No.1	Quotation No.2	Quotation No.3
2.	Boring for cast in situ pile using chisel &							
(a)	pile not exceeding 500 mm in dia.	Mtr.	1,400.00	1,800.00	1,800.00	1,800.00 G1		
(b)	pile 550 mm in dia.	Mtr.	1,600.00	1,800.00	1,800.00	1,800.00 G1		
(c)	pile 600 mm in dia.	Mtr.	1,800.00	1,900.00	1,900.00	1,900.00 G1		
(d)	pile 650 mm in dia.	Mtr.	1,900.00	1,950.00	1,950.00	1,950.00 G1		
(e)	pile 700 mm in dia.	Mtr.	2,000.00	2,100.00	2,100.00	2,100.00 G1		
(f)	pile 750 mm in dia.	Mtr.	2,200.00	2,200.00	2,200.00	2,200.00 G1		
(g)	pile 800 mm in dia.	Mtr.	2,300.00	2,400.00	2,400.00	2,400.00 G1		
(h)	pile 850 mm in dia.	Mtr.	2,400.00	2,400.00	2,400.00	2,400.00 G1		
(i)	pile 900 mm in dia.	Mtr.	2,500.00	2,500.00	2,500.00	2,500.00 G1		
(j)	pile 950 mm in dia.	Mtr.	2,600.00	2,600.00	2,600.00	2,600.00 G1		
(k)	pile 1000 mm in dia.	Mtr.	2,700.00	2,700.00	2,700.00	2,700.00 G1		
(l)	pile 1050 mm in dia.	Mtr.	2,800.00	2,750.00	2,750.00	2,750.00 G1		
(m)	pile 1100 mm in dia.	Mtr.	2,900.00	3,000.00	3,000.00	3,000.00 G1		
(n)	pile 1150 mm in dia.	Mtr.	3,000.00	3,000.00	3,000.00	3,000.00 G1		
(o)	pile 1200 mm in dia.	Mtr.	3,200.00	3,650.00	3,650.00	3,650.00 G1		
3.	Clean thoroughly the bore-holes of pile	Each	800.00	1,500.00	1,500.00	1,500.00 G1		

Sr. No.	Description of Material	Unit (per)	Earlier Rate in `	To adopt in SOR 2014				
				RATE in `				
				<u>Approved</u>	<u>MIN.</u>	Quotation No.1	Quotation No.2	Quotation No.3
4.	RCC M-20 grade or (1:1.5:3) in cast in	Cu.M.	5,400.00	7,115.00	7,115.00	7,115.00 <small>Section-V; Item No.11(a)ii</small>		
(a)	Extra over rate for admixture	Cu.M.	880.00	780.00	783.00	783.00 <small>Section-V; Item No.11(h)</small>		
5.	Filling the pile bore of any diameter of	Cu.M.	550.00	620.00	623.15	623.15 <small>Rate increased by 13.30% as per AICPI rise</small>		
6.	Carrying out static load test on pile	Each	75,000.00	125,000.00	125,000.00	125,000.00 <small>G1</small>		
7.	Extra over rate for additional 10 MT	Each	8,000.00	9,000.00	9,000.00	9,000.00		
8.	Providing and fixing m.s. reinforcement	qntl.	5,950.00	6,060.00	6,062.00	6,062.00 <small>Section-V; Item No.15)</small>		
9.	Providing and fixing high yield strength	qntl.	6,320.00	6,360.00	6,355.00	6,355.00 <small>Section-V; Item No.16)</small>		
10.	Cement concrete (1:1.5:3) or M20 grade	Cu.M.	5,400.00	7,115.00	7,115.00	7,115.00 <small>Section-V; Item No.11(a)ii</small>		
(a)	Extra over rate for admixture	Cu.M.	880.00	780.00	783.00	783.00 <small>Section-V; Item No.11(h)</small>		

III - Earth Work

Sr. No.	Item Description	Rate in `	Unit
1	Earthwork in surface excavation not exceeding 30 Cm. in depth but exceeding 1.5 Mtrs. in width as well as 10 Sq.M. on plan including clearing of rank vegetation, bailing out water & stacking the surplus excavated materials within a lead of 100 Mtrs. etc. including cost of fencing, lighting & watching etc. complete as directed.		
	(a) Loose or soft soil	33.10	Sq.M.
	(b) Dense or hard soil	37.80	Sq.M.
2	Earthwork upto 1.5 Mtrs. depth in bulk excavation exceeding 1.5 Mtrs. in width as well as 10 Sq.M. on plan including clearing of rank vegetation, bailing out water, re-filling the excavated material wherever directed and watering & consolidating the same & stacking the surplus excavated materials within a lead of 100 Mtrs. etc. including cost of fencing, lighting & watching complete as directed.		
	(a) Loose or soft soil	231.00	Cu.M.
	(b) Dense or hard soil	293.00	Cu.M.
	(c) Disintegrated or soft rock (not requiring blasting)	814.00	Cu.M.
	(d) Hard rock by chiselling (i.e. hard rock requiring blasting but where blasting is prohibited)	1,794.00	Cu.M.
3	Excavation upto 1.5 Mtrs. depth in trenches for foundations/ drains/ pipes/ cables etc. not exceeding 1.5 Mtrs. in width including dressing of sides & ramming the formation, clearing of rank vegetation & bailing out water, re-filling the excavated material wherever directed and consolidating the same including stacking the surplus excavated materials within a lead of 100 Mtrs. etc. including cost of fencing, lighting & watching etc. complete as directed.		
	(a) Loose or soft soil	202.00	Cu.M.
	(b) Dense or hard soil	261.00	Cu.M.
	(c) Disintegrated or soft rock (not requiring blasting)	891.00	Cu.M.
	(d) Hard rock by chiselling (i.e. hard rock requiring blasting but where blasting is prohibited)	1,850.00	Cu.M.

III - Earth Work

Sr. No.	Item Description	Rate in `	Unit
4	Excavation upto 1.5 Mtrs. depth for shafts, wells cesspits & the like not exceeding 1.5 Mtrs. in width & not exceeding 10 Sq.M. on plan including dressing of sides - do - - do – as in Item 3 above.		
	(a) Loose or soft soil	245.00	Cu.M.
	(b) Dense or hard soil	314.00	Cu.M.
	(c) Disintegrated or soft rock (not requiring blasting)	891.00	Cu.M.
	(d) Hard rock by chiselling (i.e. hard rock requiring blasting but where blasting is prohibited)	1,850.00	Cu.M.
5	Extra over rates for Item Nos. 2, 3 & 4 above for every additional depth of 1.5 Mtrs. or part thereof.		
	(a) Loose/ soft or Dense/ hard soil	25.00	Cu.M.
	(b) Disintegrated/ soft or hard rock	49.00	Cu.M.
6	Close timbering in bulk excavation including use and waste of all necessary timber work in strutting, shoring and packing cavities (wherever required) and fixing and removal complete as directed (measurement to be taken of the face area of excavation timbered).		
	(a) depth not exceeding 1.5 Mtrs.	70.00	Sq.M.
	(b) depth between 1.5 Mtrs. and 3.0 Mtrs.	81.00	Sq.M.
	(c) depth between 3.0 Mtrs. and 4.5 Mtrs.	91.00	Sq.M.
7	Close timbering in trenches including use and waste of all necessary timber work in wales, struts, close polling boards/ horizontal sheeting/ runners etc. as may be necessary, shoring and packing cavities (wherever required) and fixing and removal complete as directed (measurement to be taken of the face area of excavation timbered).		
	(a) depth not exceeding 1.5 Mtrs.	77.00	Sq.M.
	(b) depth between 1.5 Mtrs. and 3.0 Mtrs.	86.00	Sq.M.
	(c) depth between 3.0 Mtrs. and 4.5 Mtrs.	105.00	Sq.M.
8	Close timbering in case of shafts, wells, cesspits, man-holes and the like including use and waste of all necessary timber work including wales, struts, close polling boards/ horizontal sheeting/ runners		

III - Earth Work

Sr. No.	Item Description	Rate in `	Unit
	etc. as may be necessary, shoring and packing cavities (wherever required) and fixing and removal complete as directed (measurement to be taken of the face area of excavation timbered).		
	(a) depth not exceeding 1.5 Mtrs.	95.00	Sq.M.
	(b) depth between 1.5 Mtrs. and 3.0 Mtrs.	113.00	Sq.M.
	(c) depth between 3.0 Mtrs. and 4.5 Mtrs.	131.00	Sq.M.
9	Extra over rates for Item Nos. 6, 7, & 8 above for planking strutting and packing materials in close timbering if required to be left permanently in position (face area of excavation for which timbering is permanently left to be measured).	926.00	Sq.M.
10	Open timbering in bulk excavation including use and waste of all necessary timber work in strutting, shoring and fixing and removal complete (measurement to be taken of the face area of excavation timbered).		
	(a) depth not exceeding 1.5 Mtrs.	30.00	Sq.M.
	(b) depth between 1.5 Mtrs. and 3.0 Mtrs.	36.00	Sq.M.
	(c) depth between 3.0 Mtrs. and 4.5 Mtrs.	45.00	Sq.M.
11	Open timbering in trenches including use and waste of all necessary timber work in wales, struts, open polling boards/ horizontal sheeting/ runners etc. as may be necessary and fixing and removal complete as directed (measurement to be taken of the face area of excavation timbered).		
	(a) depth not exceeding 1.5 Mtrs.	41.00	Sq.M.
	(b) depth between 1.5 Mtrs. and 3.0 Mtrs.	47.00	Sq.M.
	(c) depth between 3.0 Mtrs. and 4.5 Mtrs.	55.00	Sq.M.
12	Open timbering in case of shafts, wells, cesspits, man-holes and the like including use and waste of all necessary timber work in wales, struts, open polling boards/ horizontal sheeting/ runners etc. as may be necessary and fixing and removal complete as directed (measurement to be taken of the face area of excavation timbered).		
	(a) depth not exceeding 1.5 Mtrs.	49.00	Sq.M.
	(b) depth between 1.5 Mtrs. and 3.0 Mtrs.	58.00	Sq.M.
	(c) depth between 3.0 Mtrs. and 4.5 Mtrs.	69.00	Sq.M.

III - Earth Work

Sr. No.	Item Description	Rate in `	Unit
13	Extra over rates for Item Nos. 10,11 and 12 above for planking and strutting in open timbering if required to be left permanently in position (face area of excavation for which timbering is permanently left to be measured).	494.00	Sq.M.
14	Supplying & filling approved filling material/ murrum in trenches, plinths, sides of foundations etc. in layers not exceeding 150 mm in depth including watering, consolidating etc. complete as directed.	1,449.00	Cu.M.
15	Pumping out water from trenches, pits etc. upto 4 Mtrs. depth from ground level and discharging of the water through hose to the nearest water gully/ man-hole/ drain complete as directed (Pumping capacity should be not less than 5 litres per second).	345.00	Pump working hour
16	Filling with selected material in layers not exceeding 150 mm in depth including watering, consolidating complete as directed (using imported filling materials made available at site by the MbPT).	145.00	Cu.M.
17	Transporting by lorries to Municipal dumping yard, the surplus excavated materials, debris, kutchra etc. anywhere from the MbPT estate excluding payment of MCGM dumping charges including excavation of heaps, loading, unloading at MCGM dumping ground and spreading the same as required and as directed (MCGM dumping charges will be reimbursed to the contractor at actuals).	410.00	Cu.M.
18	Transporting the surplus excavated material, stones, debris, kutchra etc. from MbPT estate including loading & taking away the materials anywhere outside MbPT Estate etc. complete as directed.	564.00	Cu.M.
19	Supply on hire JCB for loading, levelling purpose including necessary fuel, operator etc. complete as directed (Stoppage of JCB for more than 5 minutes (twice in a shift) shall be considered as non-working period).	839.00	Hour

III - Earth Work

Sr. No.	Item Description	Rate in `	Unit
20	Supply on hire Bulldozer of capacity TD80 with 12 feet wide blade including necessary fuel, oil & operator etc. complete as directed (Stoppage of Bulldozer more than 5 minutes (twice in a shift) shall be considered as non-working period. 10 minutes break for fuel filling shall be allowed in a shift).	1,748.00	Hour
21	Supply on hire 8-10 T capacity road roller with necessary fuel & operator etc. complete as directed.	757.00	Hour
22	Supply on hire vibratory road roller with necessary fuel & operator etc. complete as directed.	1,457.00	Hour

Rate Analysis

for 100.0 Sq.M. of Item: **Surface excavation in loose or soft soil**
(Average depth of excavation 30 cm)

Corresponding Item No. 1a of Section -III of MbPT SOR 2014
 New Item No. 1a of Section -III
 NBO Ref. No.4.7a Page:55 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	1.	Mazdoor-Male	5.250	Nos.	478.85	2513.96	
TOTAL (M) = `					80.00	TOTAL (L) = `					2513.96	

Total of (M) + (L) = (I) = ` 2593.96

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 342.15

Add: Allowance for Employee' insurance @4.75% of (L) = ` 119.41

Total of allowances = (II) = ` 461.56

Total = (I) + (II) = (III) = ` 3055.53

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 259.40

Grand Total = (III)+(IV)= ` 3314.92

This is cost for 100.0 Sq.M.

Therefore, Unit cost = 3314.92 ÷ 100.0 = ` 33.15

Say ` 33.10 per Sq.M.

Rate Analysis

for 100.0 Sq.M. of Item: **Surface excavation in dense or hard soil**
(Average depth of excavation 30 cm)

Corresponding Item No. 1b of Section -III of MbPT SOR 2014
 New Item No. 1b of Section -III
 NBO Ref. No.4.7a Page:55 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	1.	Mazdoor-Male	6.000	Nos.	478.85	2873.10	
TOTAL (M) =					80.00	TOTAL (L) =					2873.10	

Total of (M) + (L) = (I) = ` 2953.10

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 527.50

Total = (I) + (II) = (III) = ` 3480.60

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 3775.91

This is cost for 100.0 Sq.M.

Therefore, Unit cost = 3775.91 ÷ 100.0 = ` 37.76

Say ` 37.80 per Sq.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Bulk excavation in loose or soft soil
(exceeding 1.5 Mtrs. in width & 10 Sq.M. on plan)**

Corresponding Item No. 2a of Section -III of MbPT SOR 2014
 New Item No. 2a of Section -III
 NBO Ref. No.4.1a Page:51 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	1.	Mazdoor-Male	3.440	Nos.	478.85	1647.24	
TOTAL (M) = `					80.00	TOTAL (L) = `					1647.24	

Total of (M) + (L) = (I) = ` 1727.24

Add: Allowance for Water charges @1% of (I)

Add: Cost of re-filling @75% of Item No.16

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 411.18

Total = (I) + (II) = (III) = ` 2138.43

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 2311.15

This is cost for 10.00 Cu.M.

Therefore, Unit cost = $\frac{2311.15}{10.00} = ` 231.12$

Say ` 231.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Bulk excavation in dense or hard soil
(exceeding 1.5 Mtrs. in width & 10 Sq.M. on plan)**

Corresponding Item No. 2b of Section -III of MbPT SOR 2014
 New Item No. 2b of Section -III
 NBO Ref. No.4.1b Page:51 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	1.	Mazdoor-Male	4.450	Nos.	478.85	2130.88	
TOTAL (M) = `					80.00	TOTAL (L) = `					2130.88	

Total of (M) + (L) = (I) = ` 2210.88

Add: Allowance for Water charges @1% of (I) = `

Add: Cost of re-filling @75% of Item No.16 = ` 108.75

Add: Allowance for PF @13.61% of (L) = ` 290.01

Add: Allowance for Employee' insurance @4.75% of (L) = ` 101.22

Total of allowances = (II) = ` 499.98

Total = (I) + (II) = (III) = ` 2710.86

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 221.09

Grand Total = (III)+(IV) = ` 2931.95

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 2931.95 ÷ 10.00 = ` 293.20

Say ` 293.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Bulk excavation in dense or soft rock
(not requiring blasting)**

Corresponding Item No. 2c of Section -III of MbPT SOR 2014
 New Item No. 2c of Section -III
 NBO Ref. No.4.2a Page:51 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		150.00	1.	Excavator	1.410	Nos.	498.08	702.29	
						2.	Breaker	3.180	Nos.	498.08	1583.89	
						3.	Hole driller	0.710	No.	498.08	353.64	
						4.	Mazdoor-Male	7.470	Nos.	478.85	3577.01	
TOTAL (M) =					150.00	TOTAL (L) =					6216.83	

Total of (M) + (L) = (I) = ` 6366.83

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 1141.41

Total = (I) + (II) = (III) = ` 7508.24

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 8144.93

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 8144.93 ÷ 10.00 = ` 814.49

Say ` 814.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Bulk excavation in hard rock by chiseling**
(where blasting is prohibited)

Corresponding Item No. 2d of Section -III of MbPT SOR 2014
 New Item No. 2d of Section -III
 NBO Ref. No.4.2c Page:52 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		200.00	1.	Excavator	4.940	Nos.	498.08	2460.52	
						2.	Breaker	12.000	Nos.	498.08	5976.96	
						3.	Chiseler	2.120	Nos.	478.85	1015.16	
						4.	Black smith II	0.350	No.	525.00	183.75	
						5.	Mazdoor-Male	8.700	Nos.	478.85	4166.00	
TOTAL (M) =					200.00	TOTAL (L) =					13802.38	

Total of (M) + (L) = (I) = ` 14002.38

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 1878.50

Add: Allowance for Employee' insurance @4.75% of (L) = ` 655.61

Total of allowances = (II) = ` 2534.12

Total = (I) + (II) = (III) = ` 16536.50

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1400.24

Grand Total = (III)+(IV)= ` 17936.74

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 17936.74 ÷ 10.00 = ` 1793.67

Say ` 1794.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Excavation in trenches for foundations, pipes, cbles etc.
(upto 1.5 Mtrs. in depth & not exceeding 1.5 Mtrs. in width)
in loose or soft soil**

Corresponding Item No. 3a of Section -III of MbPT SOR 2014
New Item No. 3a of Section -III
NBO Ref. No.4.8a Page:55 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	1.	Mazdoor-Male	3.670	Nos.	478.85	1757.38	
TOTAL (M) =					80.00	TOTAL (L) =					1757.38	

Total of (M) + (L) = (I) = ` 1837.38

Add: for Water charges (II) = ` Nil
charges @1% of (I)

Add: Cost of re-filling (II) = ` 307.50
@75% of Item No.16
(0.75XR_s.41X10 Cu.M. = Rs.307.50)

Total = (I) + (II) = (III) = ` 2144.88

Total = (I) + (II) = (III) = ` 1837.38

Add: Contractor's over- (IV) = ` 183.74
heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 2021.12

This is cost for 10.00 Cu.M.

Therefore, Unit cost =
2021.12 ÷ 10.00 = ` 202.11

Say ` 202.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Excavation in trenches for foundations, pipes, cbles etc.
(upto 1.5 Mtrs. in depth & not exceeding 1.5 Mtrs. in width)
in dense or hard soil**

Corresponding Item No. 3b of Section -III of MbPT SOR 2014
New Item No. 3b of Section -III
NBO Ref. No.4.8b Page:56 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	1.	Mazdoor-Male	4.790	Nos.	478.85	2293.69	
TOTAL (M) =					80.00	TOTAL (L) =					2293.69	

Total of (M) + (L) = (I) = ` 2373.69

Add: for Water charges charges @1% of (I) (II) = ` Nil

Add: Cost of re-filling @75% of Item No.16 (0.75XR_s.41X10 Cu.M. = Rs.307.50) (II) = ` 307.50

Total = (I) + (II) = (III) = ` 2681.19

Total = (I) + (II) = (III) = ` 2373.69

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 237.37

Grand Total = (III)+(IV)= ` 2611.06

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 2611.06 ÷ 10.00 = ` 261.11

Say ` 261.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Excavation in trenches for foundations, pipes, cbles etc. (upto 1.5 Mtrs. in depth & not exceeding 1.5 Mtrs. in width) in disintegrated or soft rock (not requiring blasting)**

Corresponding Item No. 3c of Section -III of MbPT SOR 2014
 New Item No. 3c of Section -III
 NBO Ref. No.4.9a Page:56 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		150.00	1.	Excavator	1.770	Nos.	498.08	881.60	
						2.	Breaker	3.530	Nos.	498.08	1758.22	
						3.	Mazdoor-Male	7.650	Nos.	478.85	3663.20	
						4.	Mazdoor-Male for hole drilling	1.060	Nos.	478.85	507.58	
TOTAL (M) =					150.00	TOTAL (L) =					6810.61	

Total of (M) + (L) = (I) = ` 6960.61

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 926.92

Add: Allowance for Employee' insurance @4.75% of (L) = ` 323.50

Total of allowances = (II) = ` 1250.43

Total = (I) + (II) = (III) = ` 8211.04

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 696.06

Grand Total = (III)+(IV)= ` 8907.10

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 8907.10 ÷ 10.00 = ` 890.71

Say ` 891.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Excavation in trenches for foundations, pipes, cbles etc.
(upto 1.5 Mtrs. in depth & not exceeding 1.5 Mtrs. in width)
in hard rock by chiseling (where blasting is prohibited)**

Corresponding Item No. 3d of Section -III of MbPT SOR 2014
New Item No. 3d of Section -III
NBO Ref. No.4.9c Page:57 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		200.00	1.	Excavator	5.300	Nos.	498.08	2639.82	
						2.	Breaker	12.350	Nos.	498.08	6151.29	
						3.	Chiseler	2.120	Nos.	478.85	1015.16	
						4.	Black smith II	0.350	No.	525.00	183.75	
						5.	Mazdoor-Male	8.880	Nos.	478.85	4252.19	
TOTAL (M) =					200.00	TOTAL (L) =					14242.21	

Total of (M) + (L) = (I) = ` 14442.21

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 1938.37

Add: Allowance for Employee' insurance @4.75% of (L) = ` 676.51

Total of allowances = (II) = ` 2614.87

Total = (I) + (II) = (III) = ` 17057.08

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1444.22

Grand Total = (III)+(IV)= ` 18501.30

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 18501.30 ÷ 10.00 = ` 1850.13

Say ` 1850.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Excavation for shafts, wells, cesspits etc.**
(not exceeding 1.5 Mtrs. in width & 10 Sq.M. on plan)
in loose or soft soil

Corresponding Item No. 4a of Section -III of MbPT SOR 2014
 New Item No. 4a of Section -III
 NBO Ref. No.4.8a Page:55 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	1.	Mazdoor-Male	3.670	Nos.	478.85	1757.38	
TOTAL (M) =					80.00	TOTAL (L) =					1757.38	

Total of (M) + (L) = (I) = ` 1837.38

Add: Allowance for Water charges @1% of (I)

Add: Cost of re-filling @75% of Item No.16 = ` 108.75

Add: Allowance for PF @13.61% of (L) = ` 239.18

Add: Allowance for Employee' insurance @4.75% of (L) = ` 83.48

Total of allowances = (II) = ` 431.40

Total = (I) + (II) = (III) = ` 2268.78

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 183.74

Grand Total = (III)+(IV) = ` 2452.52

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 2452.52 ÷ 10.00 = ` 245.25

Say ` 245.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Excavation for shafts, wells, cesspits etc.**
(not exceeding 1.5 Mtrs. in width & 10 Sq.M. on plan)
in dense or hard soil

Corresponding Item No. 4b of Section -III of MbPT SOR 2014
 New Item No. 4b of Section -III
 NBO Ref. No.4.8b Page:56 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	1.	Mazdoor-Male	4.790	Nos.	478.85	2293.69	
TOTAL (M) =					80.00	TOTAL (L) =					2293.69	

Total of (M) + (L) = (I) = ` 2373.69

Add: Allowance for Water charges @1% of (I)

Add: Cost of re-filling @75% of Item No.16

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 529.87

Total = (I) + (II) = (III) = ` 2903.56

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 3140.93

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 3140.93 ÷ 10.00 = ` 314.09

Say ` 314.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Excavation for shafts, wells, cesspits etc.**
(not exceeding 1.5 Mtrs. in width & 10 Sq.M. on plan)
in disintegrated or soft rock (not requiring blasting)

Corresponding Item No. 4c of Section -III of MbPT SOR 2014
 New Item No. 4c of Section -III
 NBO Ref. No.4.9a Page:56 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		150.00	1.	Excavator	1.770	Nos.	498.08	881.60	
						2.	Breaker	3.530	Nos.	498.08	1758.22	
						3.	Mazdoor-Male	7.650	Nos.	478.85	3663.20	
						4.	Mazdoor-Male for hole drilling	1.060	Nos.	478.85	507.58	
TOTAL (M) =					150.00	TOTAL (L) =					6810.61	

Total of (M) + (L) = (I) = ` 6960.61

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 1250.43

Total = (I) + (II) = (III) = ` 8211.04

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 8907.10

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 8907.10 ÷ 10.00 = ` 890.71

Say ` 891.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Excavation for shafts, wells, cesspits etc.
(not exceeding 1.5 Mtrs. in width & 10 Sq.M. on plan)
in hard rock by chiseling (where blasting is prohibited)**

Corresponding Item No. 4d of Section -III of MbPT SOR 2014
New Item No. 4d of Section -III
NBO Ref. No.4.9c Page:57 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		200.00	1.	Excavator	5.300	Nos.	498.08	2639.82	
						2.	Breaker	12.350	Nos.	498.08	6151.29	
						3.	Chiseler	2.120	Nos.	478.85	1015.16	
						4.	Black smith II	0.350	No.	525.00	183.75	
						5.	Mazdoor-Male	8.880	Nos.	478.85	4252.19	
TOTAL (M) =					200.00	TOTAL (L) =					14242.21	

Total of (M) + (L) = (I) = ` 14442.21

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 1938.37

Add: Allowance for Employee' insurance @4.75% of (L) = ` 676.51

Total of allowances = (II) = ` 2614.87

Total = (I) + (II) = (III) = ` 17057.08

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1444.22

Grand Total = (III)+(IV)= ` 18501.30

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 18501.30 ÷ 10.00 = ` 1850.13

Say ` 1850.00 per Cu.M.

Rate Analysis

for 10.00 Cu.M. of Item:

**Extra over rates for Item Nos.2, 3 & 4 above
for additional depth of 1.5 Mtrs. or part thereof
in loose/ soft or dense/ hard soil**

Corresponding Item No. 5a of Section -III of MbPT SOR 2014
New Item No. 5a of Section -III
NBO Ref. No.4.13a Page:58 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	No blasting material is considered.					1.	Mazdoor-Male	0.400	Nos.	478.85	191.54	
TOTAL (M) = `						TOTAL (L) = `					191.54	

Total of (M) + (L) = (I) = ` 191.54

Add: Allowance for Water charges @1% of (I)

= `

Add: Allowance for PF @13.61% of (L)

= `

26.07

Add: Allowance for Employee' insurance @4.75% of (L)

= `

9.10

Total of allowances =

(II)

= `

35.17

Total = (I) + (II) =

(III)

= `

226.71

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= `

19.15

Grand Total

=

(III)+(IV)= `

245.86

This is cost for

10.00

Cu.M.

Therefore, Unit cost

=

245.86

÷

10.00

= `

24.59

Say ` **25.00 per Cu.M.**

Rate Analysis

for 10.00 Cu.M. of Item:

**Extra over rates for Item Nos.2, 3 & 4 above
for additional depth of 1.5 Mtrs. or part thereof
in disintegrated soft or hard rock**

Corresponding Item No. 5b of Section -III of MbPT SOR 2014
New Item No. 5b of Section -III
NBO Ref. No.4.13b Page:58 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Blasting material		Lumpsum		50.00	1.	Mazdoor-Male	0.710	Nos.	478.85	339.98	
TOTAL (M) =					50.00	TOTAL (L) =					339.98	

Total of (M) + (L) = (I) = ` 389.98

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 62.42

Total = (I) + (II) = (III) = ` 452.40

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 491.40

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 491.40 ÷ 10.00 = ` 49.14

Say ` 49.00 per Cu.M.

Rate Analysis

for 45.00 Sq.M. of Item: **Close timbering in bulk excavation - depth not exceeding 1.50 Mtrs.**

Corresponding Item No. 6a of Section -III of MbPT SOR 2014
 New Item No. 6a of Section -III
 NBO Ref. No.4.21a Page:67 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II Kail wood planks (250 mm wide 38 mm thick) 45 Sq.M. X 0.038 = 1.71 Cu.M.	1.710	Cu.M.	17711.07	30285.92	1.	Carpenter II	0.250	Nos.	525.00	131.25	
2.	Walling 100 X 100 mm in 2nd class Kail wood	0.300	Cu.M.	17711.07	5313.32	2.	Mazdoor-Male	0.500	Nos.	478.85	239.43	
3.	Bullies 125mm dia.	25.500	Mtr.	93.22	2377.13	3.	Sundries		Lumpsum		50.00	
A)	Deduct credit of materials after use @75% of the cost	-0.750	X	37976.37	-28482.28							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	9494.09	2373.52							
TOTAL (M) =					2373.52	TOTAL (L) =					420.68	

Total of (M) + (L) = (I) = ` 2794.20

Add: Allowance for Water
charges @1% of (I)

Add: Allowance for PF
@13.61% of (L)

Add: Allowance for Employee'
insurance @4.75% of (L)

Total of allowances = (II) = ` 77.24

Total = (I) + (II) = (III) = ` 2871.43

Add: Contractor's over-
heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 3150.85

This is cost for 45.00 Sq.M.

Therefore, Unit cost =
3150.85 ÷ 45.00 = ` 70.02

Say ` 70.00 per Sq.M.

Rate Analysis

for 45.00 Sq.M. of Item: **Close timbering in bulk excavation - depth exceeding 1.50 Mtrs. BUT not exceeding 3.00 Mtrs.**

Corresponding Item No. 6b of Section -III of MbPT SOR 2014
 New Item No. 6b of Section -III
 NBO Ref. No.4.21b Page:68 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II Kail wood planks (250 mm wide 38 mm thick) 45 Sq.M. X 0.038 = 1.71 Cu.M.	1.710	Cu.M.	17711.07	30285.92	1.	Carpenter II	0.500	Nos.	525.00	262.50	
2.	Walling 100 X 100 mm in 2nd class Kail wood	0.300	Cu.M.	17711.07	5313.32	2.	Mazdoor-Male	1.000	Nos.	478.85	478.85	
3.	Bullies 125mm dia.	25.500	Mtr.	93.22	2377.13	3.	Sundries		Lumpsum		50.00	
A)	Deduct credit of materials after use @75% of the cost	-0.750	X	37976.37	-28482.28							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	9494.09	2373.52							
TOTAL (M) =					2373.52	TOTAL (L) =					791.35	

Total of (M) + (L) = (I) = ` 3164.87

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 107.70

Add: Allowance for Employee' insurance @4.75% of (L) = ` 37.59

Total of allowances = (II) = ` 145.29

Total = (I) + (II) = (III) = ` 3310.16

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 316.49

Grand Total = (III)+(IV)= ` 3626.65

This is cost for 45.00 Sq.M.

Therefore, Unit cost = 3626.65 ÷ 45.00 = ` 80.59

Say ` 81.00 per Sq.M.

Rate Analysis for 45.00 Sq.M. of Item: **Close timbering in bulk excavation - depth exceeding 3.00 Mtrs. BUT not exceeding 4.50 Mtrs.**

Corresponding Item No. 6c of Section -III of MbPT SOR 2014
 New Item No. 6c of Section -III
 NBO Ref. No.4.21c Page:68 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II Kail wood planks (250 mm wide 38 mm thick) 45 Sq.M. X 0.038 = 1.71 Cu.M.	1.710	Cu.M.	17711.07	30285.92	1.	Carpenter II	0.750	Nos.	525.00	393.75	
2.	Walling 100 X 100 mm in 2nd class Kail wood	0.300	Cu.M.	17711.07	5313.32	2.	Mazdoor-Male	1.500	Nos.	478.85	718.28	
3.	Bullies 125mm dia.	25.500	Mtr.	93.22	2377.13	3.	Sundries		Lumpsum		50.00	
A)	Deduct credit of materials after use @ 75% of the cost	-0.750	X	37976.37	-28482.28							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	9494.09	2373.52							
TOTAL (M) =					2373.52	TOTAL (L) =					1162.03	

Total of (M) + (L) = (I) = ` 3535.55

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 158.15

Add: Allowance for Employee' insurance @4.75% of (L) = ` 55.20

Total of allowances = (II) = ` 213.35

Total = (I) + (II) = (III) = ` 3748.90

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 353.55

Grand Total = (III)+(IV)= ` 4102.45

This is cost for 45.00 Sq.M.

Therefore, Unit cost = 4102.45 ÷ 45.00 = ` 91.17

Say ` **91.00 per Sq.M.**

Rate Analysis

for 90.00 Sq.M. of Item: **Close timbering in trenches - depth not exceeding 1.50 Mtrs.**

Corresponding Item No. 7a of Section -III of MbPT SOR 2014
 New Item No. 7a of Section -III
 NBO Ref. No.4.19a Page:64 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II Kail wood planks (250 mm wide 38 mm thick) 90 Sq.M. X 0.038 = 3.42 Cu.M.	3.420	Cu.M.	17711.07	60571.85	1.	Carpenter II	0.500	Nos.	525.00	262.50	
2.	Walling (4X30X 100X100mm) in 2nd class Kail wood	1.200	Cu.M.	17711.07	21253.28	2.	Mazdoor-Male	1.000	Nos.	478.85	478.85	
3.	Bullies 125mm dia.1.5 M 2X17X1.5=51 Mtrs.	51.000	Mtr.	93.22	4754.25	3.	Sundries		Lumpsum		50.00	
A)	Deduct credit of materials after use @ 75% of the cost	-0.750	X	86579.38	-64934.53							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	21644.84	5411.21							
TOTAL (M) =					5411.21	TOTAL (L) =					791.35	

Total of (M) + (L) = (I) = ` 6202.56

Add: Allowance for Water
charges @1% of (I)

Add: Allowance for PF
@13.61% of (L)

Add: Allowance for Employee'
insurance @4.75% of (L)

Total of allowances = (II) = ` 145.29

Total = (I) + (II) = (III) = ` 6347.85

Add: Contractor's over-
heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 6968.11

This is cost for 90.00 Sq.M.

Therefore, Unit cost =
6968.11 ÷ 90.00 = ` 77.42

Say ` 77.00 per Sq.M.

Rate Analysis for 90.00 Sq.M. of Item: **Close timbering in trenches - depth exceeding 1.50 Mtrs. BUT not exceeding 3.00 Mtrs.**

Corresponding Item No. 7b of Section -III of MbPT SOR 2014
 New Item No. 7b of Section -III
 NBO Ref. No.4.19b Page:65 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II Kail wood planks (250 mm wide 38 mm thick) 90 Sq.M. X 0.038 = 3.42 Cu.M.	3.420	Cu.M.	17711.07	60571.85	1.	Carpenter II	0.750	Nos.	525.00	393.75	
2.	Walling (4X30X 100X100mm) in 2nd class Kail wood	1.200	Cu.M.	17711.07	21253.28	2.	Mazdoor-Male	2.000	Nos.	478.85	957.70	
3.	Bullies 125mm dia.1.5 M 2X17X1.5=51 Mtrs.	51.000	Mtr.	93.22	4754.25	3.	Sundries		Lumpsum		50.00	
				Total =	86579.38							
A)	Deduct credit of materials after use @ 75% of the cost	-0.750	X	86579.38	-64934.53							
				Total =	21644.84							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	21644.84	5411.21							
TOTAL (M) =					5411.21	TOTAL (L) =					1401.45	

Total of (M) + (L) = (I) = ` 6812.66

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 257.31

Total = (I) + (II) = (III) = ` 7069.97

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 7751.23

This is cost for 90.00 Sq.M.

Therefore, Unit cost = 7751.23 ÷ 90.00 = ` 86.12

Say ` **86.00 per Sq.M.**

Rate Analysis for 90.00 Sq.M. of Item: **Close timbering in trenches - depth exceeding 3.00 Mtrs. BUT not exceeding 4.50 Mtrs.**

Corresponding Item No. 7c of Section -III of MbPT SOR 2014
 New Item No. 7c of Section -III
 NBO Ref. No.4.19c Page:65 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II Kail wood planks (250 mm wide 38 mm thick) 90 Sq.M. X 0.038 = 3.42 Cu.M.	3.420	Cu.M.	17711.07	60571.85	1.	Carpenter II	1.500	Nos.	525.00	787.50	
2.	Walling (4X30X 100X100mm) in 2nd class Kail wood	1.200	Cu.M.	17711.07	21253.28	2.	Mazdoor-Male	4.000	Nos.	478.85	1915.40	
3.	Bullies 125mm dia.1.5 M 2X17X1.5=51 Mtrs.	51.000	Mtr.	93.22	4754.25	3.	Sundries		Lumpsum		50.00	
A)	Deduct credit of materials after use @ 75% of the cost	-0.750	X	86579.38	-64934.53							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	21644.84	5411.21							
TOTAL (M) =					5411.21	TOTAL (L) =					2752.90	

Total of (M) + (L) = (I) = ` 8164.11

Add: Allowance for Water
charges @1% of (I)

Add: Allowance for PF
@13.61% of (L)

Add: Allowance for Employee'
insurance @4.75% of (L)

Total of allowances = (II) = ` 505.43

Total = (I) + (II) = (III) = ` 8669.54

Add: Contractor's over-
heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 9485.95

This is cost for 90.00 Sq.M.

Therefore, Unit cost =
9485.95 ÷ 90.00 = ` 105.40

Say ` 105.00 per Sq.M.

Rate Analysis

for 6.60 Sq.M. of Item: **Close timbering in shafts, walls, man-holes, cesspits etc. - depth not exceeding 1.50 Mtrs.**

Corresponding Item No. 8a of Section -III of MbPT SOR 2014
 New Item No. 8a of Section -III
 NBO Ref. No.4.20a Page:65, 66 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.251	Cu.M.	17711.07	4445.48	1.	Carpenter II	0.060	Nos.	525.00	31.50	
	Kail wood planks (250 mm wide 38 mm thick) 6.6 Sq.M. X 0.038 = 0.251 Cu.M.											
2.	Walling in 2nd class Kail wood	0.082	Cu.M.	17711.07	1452.31	2.	Mazdoor-Male	0.120	Nos.	478.85	57.46	
3.	Bullies 125mm dia.1.5 M	6.592	Mtr.	93.22	614.51	3.	Sundries		Lumpsum		50.00	
				Total =	6512.30							
A)	Deduct credit of materials after use @ 75% of the cost	-0.750	X	6512.30	-4884.22							
				Total =	1628.07							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	1628.07	407.02							
TOTAL (M) = `					407.02	TOTAL (L) = `					138.96	

Total of (M) + (L) = (I) = ` 545.98

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 18.91

Add: Allowance for Employee' insurance @4.75% of (L) = ` 6.60

Total of allowances = (II) = ` 25.51

Total = (I) + (II) = (III) = ` 571.49

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 54.60

Grand Total = (III)+(IV)= ` 626.09

This is cost for 6.60 Sq.M.

Therefore, Unit cost = 626.09 ÷ 6.60 = ` 94.86

Say ` 95.00 per Sq.M.

Rate Analysis

for 6.60 Sq.M. of Item: **Close timbering in shafts, walls, man-holes, cesspits etc. - depth exceeding 1.50 Mtrs. BUT not exceeding 3.00 Mtrs.**

Corresponding Item No. 8b of Section -III of MbPT SOR 2014
 New Item No. 8b of Section -III
 NBO Ref. No.4.20b Page:66 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.251	Cu.M.	17711.07	4445.48	1.	Carpenter II	0.120	Nos.	525.00	63.00	
	Kail wood planks (250 mm wide 38 mm thick) 6.6 Sq.M. X 0.038 = 0.251 Cu.M.											
2.	Walling in 2nd class Kail wood	0.082	Cu.M.	17711.07	1452.31	2.	Mazdoor-Male	0.250	Nos.	478.85	119.71	
3.	Bullies 125mm dia.1.5 M	6.592	Mtr.	93.22	614.51	3.	Sundries		Lumpsum		50.00	
				Total =	6512.30							
A)	Deduct credit of materials after use @ 75% of the cost	-0.750	X	6512.30	-4884.22							
				Total =	1628.07							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	1628.07	407.02							
TOTAL (M) = `					407.02	TOTAL (L) = `					232.71	

Total of (M) + (L) = (I) = ` 639.73

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 31.67

Add: Allowance for Employee' insurance @4.75% of (L) = ` 11.05

Total of allowances = (II) = ` 42.73

Total = (I) + (II) = (III) = ` 682.46

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 63.97

Grand Total = (III)+(IV)= ` 746.43

This is cost for 6.60 Sq.M.

Therefore, Unit cost = 746.43 ÷ 6.60 = ` 113.10

Say ` 113.00 per Sq.M.

Rate Analysis

for 6.60 Sq.M. of Item: **Close timbering in shafts, walls, man-holes, cesspits etc. - depth exceeding 3.00 Mtrs. BUT not exceeding 4.50 Mtrs.**

Corresponding Item No. 8c of Section -III of MbPT SOR 2014
 New Item No. 8c of Section -III
 NBO Ref. No.4.20c Page:66 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.251	Cu.M.	17711.07	4445.48	1.	Carpenter II	0.190	Nos.	498.08	94.64	
	Kail wood planks (250 mm wide 38 mm thick) 6.6 Sq.M. X 0.038 = 0.251 Cu.M.											
2.	Walling in 2nd class Kail wood	0.082	Cu.M.	17711.07	1452.31	2.	Mazdoor-Male	0.380	Nos.	478.85	181.96	
3.	Bullies 125mm dia.1.5 M	6.592	Mtr.	93.22	614.51	3.	Sundries		Lumpsum		50.00	
A)	Deduct credit of materials after use @ 75% of the cost	-0.750	X	6512.30	-4884.22							
B)	This material can be used 4 times on same work. Therefore, for one use	0.250	X	1628.07	407.02							
TOTAL (M) =					407.02	TOTAL (L) =					326.60	

Total of (M) + (L) = (I) = ` 733.62

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 44.45

Add: Allowance for Employee' insurance @4.75% of (L) = ` 15.51

Total of allowances = (II) = ` 59.96

Total = (I) + (II) = (III) = ` 793.58

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 73.36

Grand Total = (III)+(IV)= ` 866.94

This is cost for 6.60 Sq.M.

Therefore, Unit cost = 866.94 ÷ 6.60 = ` 131.35

Say ` 131.00 per Sq.M.

Rate Analysis

for 90.00 Sq.M. of Item:

**Extra over rates for Item Nos.6, 7 & 8 above
for timbering to be left permanently if required**

Corresponding Item No. 9 of Section -III of MbPT SOR 2014
 New Item No. 9 of Section -III
 NBO Ref. No.4 Page:68 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Credit for materials as per Item No.7(a)				86579.38							
2.	Less: 1/8th As timbering is supposed to be used once	-0.125	X	86579.38	-10822.42							
TOTAL (M) =					75756.96	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 75756.96

Add: Allowance for Water charges @1% of (I)Add: Allowance for PF @13.61% of (L)Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 75756.96

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 83332.65

This is cost for 90.00 Sq.M.

Therefore, Unit cost = 83332.65 ÷ 90.00 = ` 925.92

Say ` 926.00 per Sq.M.

Rate Analysis

for 45.00 Sq.M. of Item: **Open timbering in bulk excavation - fixing & removal depth not exceeding 1.50 Mtrs.**

Corresponding Item No. 10a of Section -III of MbPT SOR 2014
 New Item No. 10a of Section -III
 NBO Ref. No.4.17a Page:62 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.570	Cu.M.	17711.07	10095.31	1.	Carpenter II	0.100	Nos.	525.00	52.50	
2.	Bullies 125mm dia.	60.00	Mtr.	93.22	5593.24	2.	Mazdoor-Male	0.250	Nos.	478.85	119.71	
				Total =	15688.54	3.	Sundries		Lumpsum		50.00	
A)	This material can be used 16 times on same work. Therefore, for one use	0.0625	X	15688.54	980.53							
TOTAL (M) =					980.53	TOTAL (L) =					222.21	

Total of (M) + (L) = (I) = ` 1202.75

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 30.24

Add: Allowance for Employee' insurance @4.75% of (L) = ` 10.56

Total of allowances = (II) = ` 40.80

Total = (I) + (II) = (III) = ` 1243.54

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 120.27

Grand Total = (III)+(IV)= ` 1363.82

This is cost for 45.00 Sq.M.

Therefore, Unit cost = 1363.82 ÷ 45.00 = ` 30.31

Say ` 30.00 per Sq.M.

Rate Analysis

for 45.00 Sq.M. of Item: **Open timbering in bulk excavation - fixing & removal - depth exceeding 1.50 Mtrs. BUT not exceeding 3.00 Mtrs.**

Corresponding Item No. 10b of Section -III of MbPT SOR 2014
 New Item No. 10b of Section -III
 NBO Ref. No.4.17b Page:63 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.570	Cu.M.	17711.07	10095.31	1.	Carpenter II	0.250	Nos.	525.00	131.25	
2.	Bullies 125mm dia.	60.00	Mtr.	93.22	5593.24	2.	Mazdoor-Male	0.500	Nos.	478.85	239.43	
				Total =	15688.54	3.	Sundries		Lumpsum		50.00	
A)	This material can be used 16 times on same work. Therefore, for one use	0.0625	X	15688.54	980.53							
TOTAL (M) =					980.53	TOTAL (L) =					420.68	

Total of (M) + (L) = (I) = ` 1401.21

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 57.25

Add: Allowance for Employee' insurance @4.75% of (L) = ` 19.98

Total of allowances = (II) = ` 77.24

Total = (I) + (II) = (III) = ` 1478.44

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 140.12

Grand Total = (III)+(IV)= ` 1618.57

This is cost for 45.00 Sq.M.

Therefore, Unit cost = 1618.57 ÷ 45.00 = ` 35.97

Say ` 36.00 per Sq.M.

Rate Analysis

for 45.00 Sq.M. of Item: **Open timbering in bulk excavation - fixing & removal - depth exceeding 3.00 Mtrs. BUT not exceeding 4.50 Mtrs.**

Corresponding Item No. 10c of Section -III of MbPT SOR 2014
 New Item No. 10c of Section -III
 NBO Ref. No.4.17c Page:63 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.570	Cu.M.	17711.07	10095.31	1.	Carpenter II	0.500	Nos.	525.00	262.50	
2.	Bullies 125mm dia.	60.00	Mtr.	93.22	5593.24	2.	Mazdoor-Male	0.880	Nos.	478.85	421.39	
				Total =	15688.54	3.	Sundries		Lumpsum		50.00	
A)	This material can be used 16 times on same work. Therefore, for one use	0.0625	X	15688.54	980.53							
TOTAL (M) =					980.53	TOTAL (L) =					733.89	

Total of (M) + (L) = (I) = ` 1714.42

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 99.88

Add: Allowance for Employee' insurance @4.75% of (L) = ` 34.86

Total of allowances = (II) = ` 134.74

Total = (I) + (II) = (III) = ` 1849.16

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 171.44

Grand Total = (III)+(IV)= ` 2020.61

This is cost for 45.00 Sq.M.

Therefore, Unit cost = 2020.61 ÷ 45.00 = ` 44.90

Say ` 45.00 per Sq.M.

Rate Analysis

for 90.00 Sq.M. of Item: **Open timbering in trenches -
depth not exceeding 1.50 Mtrs.**

Corresponding Item No. 11a of Section -III of MbPT SOR 2014
 New Item No. 11a of Section -III
 NBO Ref. No.4.15a Page:59 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	1.140	Cu.M.	17711.07	20190.62	1.	Carpenter II	0.250	Nos.	525.00	131.25	
2.	Bullies 125mm dia.	51.00	Mtr.	93.22	4754.25	2.	Mazdoor-Male	0.500	Nos.	478.85	239.43	
3.	Walling	1.200	Cu.M.	17711.07	21253.28	3.	Sundries		Lumpsum		50.00	
				Total =	46198.15							
A)	This material can be used 16 times on same work. Therefore, for one use	0.0625	X	46198.15	2887.38							
TOTAL (M) =					2887.38	TOTAL (L) =					420.68	

Total of (M) + (L) = (I) = ` 3308.06

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 57.25

Add: Allowance for Employee' insurance @4.75% of (L) = ` 19.98

Total of allowances = (II) = ` 77.24

Total = (I) + (II) = (III) = ` 3385.30

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 330.81

Grand Total = (III)+(IV)= ` 3716.10

This is cost for 90.00 Sq.M.

Therefore, Unit cost = 3716.10 ÷ 90.00 = ` 41.29

Say ` 41.00 per Sq.M.

Rate Analysis

for 90.00 Sq.M. of Item: **Open timbering in trenches - depth exceeding 1.50 Mtrs. BUT not exceeding 3.00 Mtrs.**

Corresponding Item No. 11b of Section -III of MbPT SOR 2014
 New Item No. 11b of Section -III
 NBO Ref. No.4.15b Page:60 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	1.140	Cu.M.	17711.07	20190.62	1.	Carpenter II	0.500	Nos.	525.00	262.50	
2.	Bullies 125mm dia.	51.00	Mtr.	93.22	4754.25	2.	Mazdoor-Male	1.000	Nos.	478.85	478.85	
3.	Walling	1.200	Cu.M.	17711.07	21253.28	3.	Sundries		Lumpsum		50.00	
				Total =	46198.15							
A)	This material can be used 16 times on same work. Therefore, for one use	0.0625	X	46198.15	2887.38							
TOTAL (M) =					2887.38	TOTAL (L) =					791.35	

Total of (M) + (L) = (I) = ` 3678.73

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 107.70

Add: Allowance for Employee' insurance @4.75% of (L) = ` 37.59

Total of allowances = (II) = ` 145.29

Total = (I) + (II) = (III) = ` 3824.03

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 367.87

Grand Total = (III)+(IV)= ` 4191.90

This is cost for 90.00 Sq.M.

Therefore, Unit cost = 4191.90 ÷ 90.00 = ` 46.58

Say ` 47.00 per Sq.M.

Rate Analysis

for 90.00 Sq.M. of Item: **Open timbering in trenches - depth exceeding 3.00 Mtrs. BUT not exceeding 4.50 Mtrs.**

Corresponding Item No. 11c of Section -III of MbPT SOR 2014
 New Item No. 11c of Section -III
 NBO Ref. No.4.15c Page:60 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	1.140	Cu.M.	17711.07	20190.62	1.	Carpenter II	1.000	Nos.	525.00	525.00	
2.	Bullies 125mm dia.	51.00	Mtr.	93.22	4754.25	2.	Mazdoor-Male	1.750	Nos.	478.85	837.99	
3.	Walling	1.200	Cu.M.	17711.07	21253.28	3.	Sundries		Lumpsum		50.00	
				Total =	46198.15							
A)	This material can be used 16 times on same work. Therefore, for one use	0.0625	X	46198.15	2887.38							
TOTAL (M) =					2887.38	TOTAL (L) =					1412.99	

Total of (M) + (L) = (I) = ` 4300.37

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 192.31

Add: Allowance for Employee' insurance @4.75% of (L) = ` 67.12

Total of allowances = (II) = ` 259.42

Total = (I) + (II) = (III) = ` 4559.80

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 430.04

Grand Total = (III)+(IV)= ` 4989.83

This is cost for 90.00 Sq.M.

Therefore, Unit cost = 4989.83 ÷ 90.00 = ` 55.44

Say ` 55.00 per Sq.M.

Rate Analysis

for 6.60 Sq.M. of Item: **Open timbering in shafts, walls, man-holes, cesspits etc. - depth not exceeding 1.50 Mtrs.**

Corresponding Item No. 12a of Section -III of MbPT SOR 2014
 New Item No. 12a of Section -III
 NBO Ref. No.4.16a Page:61 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.086	Cu.M.	17711.07	1523.15	1.	Carpenter II	0.030	Nos.	525.00	15.75	
2.	Bullies 125mm dia.	6.40	Mtr.	93.22	596.61	2.	Mazdoor-Male	0.060	Nos.	478.85	28.73	
3.	Walling	0.048	Cu.M.	17711.07	850.13	3.	Sundries		Lumpsum		50.00	
				Total =	2969.89							
A)	This material can be used 16 times on same work. Therefore, for one use	0.0625		2969.89	185.62							
TOTAL (M) =					185.62	TOTAL (L) =					94.48	

Total of (M) + (L) = (I) = ` 280.10

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 12.86

Add: Allowance for Employee' insurance @4.75% of (L) = ` 4.49

Total of allowances = (II) = ` 17.35

Total = (I) + (II) = (III) = ` 297.45

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 28.01

Grand Total = (III)+(IV)= ` 325.46

This is cost for 6.60 Sq.M.

Therefore, Unit cost = 325.46 ÷ 6.60 = ` 49.31

Say ` 49.00 per Sq.M.

Rate Analysis

for 6.60 Sq.M. of Item: **Open timbering in shafts, walls, man-holes, cesspits etc. - depth exceeding 1.50 Mtrs. BUT not exceeding 3.00 Mtrs.**

Corresponding Item No. 12b of Section -III of MbPT SOR 2014
 New Item No. 12b of Section -III
 NBO Ref. No.4.16b Page:61 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.086	Cu.M.	17711.07	1523.15	1.	Carpenter II	0.060	Nos.	525.00	31.50	
2.	Bullies 125mm dia.	6.40	Mtr.	93.22	596.61	2.	Mazdoor-Male	0.120	Nos.	478.85	57.46	
3.	Walling	0.048	Cu.M.	17711.07	850.13	3.	Sundries		Lumpsum		50.00	
A)	This material can be used 16 times on same work. Therefore, for one use	0.0625		Total = 2969.89	185.62							
TOTAL (M) =					185.62	TOTAL (L) =					138.96	

Total of (M) + (L) = (I) = ` 324.58

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 18.91

Add: Allowance for Employee' insurance @4.75% of (L) = ` 6.60

Total of allowances = (II) = ` 25.51

Total = (I) + (II) = (III) = ` 350.09

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 32.46

Grand Total = (III)+(IV)= ` 382.55

This is cost for 6.60 Sq.M.

Therefore, Unit cost = 382.55 ÷ 6.60 = ` 57.96

Say ` 58.00 per Sq.M.

Rate Analysis

for 6.60 Sq.M. of Item: **Open timbering in shafts, walls, man-holes, cesspits etc. - depth exceeding 3.00 Mtrs. BUT not exceeding 4.50 Mtrs.**

Corresponding Item No. 12c of Section -III of MbPT SOR 2014
 New Item No. 12c of Section -III
 NBO Ref. No.4.16c Page:62 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polling Boards II	0.086	Cu.M.	17711.07	1523.15	1.	Carpenter II	0.100	Nos.	525.00	52.50	
2.	Bullies 125mm dia.	6.40	Mtr.	93.22	596.61	2.	Mazdoor-Male	0.200	Nos.	478.85	95.77	
3.	Walling	0.048	Cu.M.	17711.07	850.13	3.	Sundries		Lumpsum		50.00	
				Total =	2969.89							
a)	This material can be used 16 times on same work. Therefore, for one use	0.0625		2969.89	185.62							
TOTAL (M) =					185.62	TOTAL (L) =					198.27	

Total of (M) + (L) = (I) = ` 383.89

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 26.98

Add: Allowance for Employee' insurance @4.75% of (L) = ` 9.42

Total of allowances = (II) = ` 36.40

Total = (I) + (II) = (III) = ` 420.29

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 38.39

Grand Total = (III)+(IV)= ` 458.68

This is cost for 6.60 Sq.M.

Therefore, Unit cost = 458.68 ÷ 6.60 = ` 69.50

Say ` 69.00 per Sq.M.

Rate Analysis

for 90.00 Sq.M. of Item:

**Extra over rates for Item Nos.10, 11 & 12 above
for timbering to be left permanently if required**

Corresponding Item No. 13 of Section -III of MbPT SOR 2014
 New Item No. 13 of Section -III
 NBO Ref. No.4.18 Page:64 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Credit for materials as per Item No.11(a)				46198.15							
2.	Less: 1/8th As timbering is supposed to be used once	-0.125		46198.15	-5774.77							
TOTAL (M) =					40423.38	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 40423.38

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 40423.38

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 4042.34

Grand Total = (III)+(IV)= ` 44465.72

This is cost for 90.00 Sq.M.

Therefore, Unit cost = 44465.72 ÷ 90.00 = ` 494.06

Say ` 494.00 per Sq.M.

Rate Analysis

for 10.00 Cu.M. of Item: **Supplying & filling with murrum materials including consolidation etc.**

Corresponding Item No. 14 of Section -III of MbPT SOR 2014
 New Item No. 14 of Section -III
 NBO Ref. No.4.12 Page:58 Vol:I
 + Material cost

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Supplying good quality murrum	11.000	Cu.M.	1077.97	11857.66	1.	Mazdoor-Male	2.190	Nos.	478.85	1048.68	
						2.	Bhisti	0.170	Nos.	478.85	81.40	
TOTAL (M) =					11857.66	TOTAL (L) =					1130.09	

Total of (M) + (L) = (I) = ` 12987.75

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 153.80

Add: Allowance for Employee' insurance @4.75% of (L) = ` 53.68

Total of allowances = (II) = ` 207.48

Total = (I) + (II) = (III) = ` 13195.23

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1298.77

Grand Total = (III)+(IV)= ` 14494.00

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 14494.00 ÷ 10.00 = ` 1449.40

Say ` 1449.00 per Cu.M.

Rate Analysisfor 3.00 Hrs. of Item: **Pumpingout water by pump**

Corresponding Item No. 15 of Section -III of MbPT SOR 2014
 New Item No. 15 of Section -III
 NBO Ref. No.4.11 Page:58 Vol:I
 + Material cost

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cost of operating pump**	1.000	Day	383.00	383.00	1.	Mazdoor-Male	1.000	No.	478.85	478.85	
TOTAL (M) =					383.00	TOTAL (L) =					478.85	

Total of (M) + (L) = (I) = ` 861.85

Total = (I) + (II) = (III) = ` 949.77

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 86.19

Add: Allowance for PF @13.61% of (L) = ` 65.17

Grand Total = (III)+(IV)= ` 1035.95

This is cost for 3.00 Hrs.

Add: Allowance for Employee' insurance @4.75% of (L) = ` 22.75

Therefore, Unit cost = 1035.95 ÷ 3.00 = ` 345.32

Total of allowances = (II) = ` 87.92

Say ` 345.00 per Hour**** Cost of Operating pump:**

- | | | |
|--|--|---|
| 1. Cost of 2HP Diesel pump = `25,000/- | 2. Life = 5 years | 3. Depreciation = $X = 25,000/5 = `5,000/-$ per yr. |
| 4. Normal repairs & maintenance = $0.5X = `2,500/-$ | 5. Renewal & Replacement cost = $X/3 = `1,667/-$ | |
| 6. Return on capital @18%= $25000 \times 0.18 = `4,500/-$ | 7. Total = (3)+(4)+(5)+(6) = `13,667/- | 8. Assume usage of 240 days per year |
| 9. Cost per day = $13667/240 = `56.95$ | 10. Diesel cost @ `64.87 per hour for 3 hours a day = $64.89 \times 3 = `194.67$ | |
| 11. Pump operator for 1/4 day @ `525/- per day = $525/4 = `131.25$ | | |
| 12. Total operating cost of pump per day=(9)+(10)+(11)= `382.87 | | |

SAY Rs. 383.00

Rate Analysis

for 10.00 Cu.M. of Item: **Filling with selected materials including consolidation etc.**

Corresponding Item No. 16 of Section -III of MbPT SOR 2014
 New Item No. 16 of Section -III
 NBO Ref. No.4.12 Page:58 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
						1.	Mazdoor-Male	2.190	Nos.	478.85	1048.68	
						2.	Bhisti	0.170	Nos.	478.85	81.40	
TOTAL (M) = `						TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 1130.09

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 207.48

Total = (I) + (II) = (III) = ` 1337.57

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 1450.58

This is cost for 10.00 Cu.M.

Therefore, Unit cost = 1450.58 ÷ 10.00 = ` 145.06

Say ` 145.00 per Cu.M.

Rate Analysis

for 16.50 Cu.M.

of Item:

Transporting by lorries to Municipal dumping yard, the surplus excavated materials, debris, kutchra etc.**MCGM dumping charges will have to be reimbursed to the contractor at actuals on production of the receipt issued by MCGM**

One motor lorry will make 3 trips in a day and transport 5.5 X 3 =16.5 Cu.M.

Bunders, ND is taken as reference point for distance calculations since the same is considered centre point of MbPT estates.

Corresponding Item No. 17

of Section -III

of MbPT SOR 2014

New Item No. 17

of Section -III

NBO Ref. No. . Page:

Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for motor lorry (Market Enquiry)	1.000	day	1,000.00	1000.00	1.	Supervisor	0.300	Nos.	540.38	162.11	
2.	Diesel (fuel) Distance = 3 trips in a day X 40 Km. = 120 Km. Consumption = 120/3.5 Km. per Lit. = 34.30 Lits.	34.300	Lits.	54.99	1886.21	2.	Driver	1.000	Nos.	540.38	540.38	
3.	Lubricants Lumpsum - @10% of cost of fuel				188.62	3.	Cleaner	1.000	Nos.	498.08	498.08	
						4.	Mazdoor-Male	3.000	Nos.	478.85	1436.55	
TOTAL (M) =					3074.84	TOTAL (L) =					2637.12	

Total of (M) + (L) = (I) = ` 5711.96

Total = (I) + (II) = (III) = ` 6196.14

Add: Allowance for Water charges @1% of (I) = `Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 571.20Add: Allowance for PF @13.61% of (L) = ` 358.91

Grand Total = (III)+(IV)= ` 6767.33

This is cost for 16.50 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` 125.26

Therefore, Unit cost = 6767.33 ÷ 16.50 = ` 410.14

Total of allowances = (II) = ` 484.18

Say ` 410.00 per Cu.M.

Rate Analysis for 12.00 Cu.M. of Item: **Transporting by lorries surplus excavated material, stones, debris, kutchra to anywhere outside MbPT estate etc.**

One motor lorry will make 3 trips in a day and transport 4.0 X 3 =12.0 Cu.M.

Bunders, ND is taken as reference point for distance calculations since the same is considered centre point of MbPT estates.

Corresponding Item No. 18 of Section -III of MbPT SOR 2014
 New Item No. 18 of Section -III
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for motor lorry (Market Enquiry)	1.000	day	1,000.00	1000.00	1.	Supervisor	0.300	Nos.	540.38	162.11	
2.	Diesel (fuel)	34.300	Lits.	54.99	1886.21	2.	Driver	1.000	Nos.	540.38	540.38	
	Distance = 3 trips in a day X 40 Km. = 120 Km. Consumption = 120/3.5 Km. per Lit. = 34.30 Lits.					3.	Cleaner	1.000	Nos.	498.08	498.08	
3.	Lubricants			Lumpsum - @10% of cost of fuel	188.62	4.	Mazdoor-Male	3.000	Nos.	478.85	1436.55	
TOTAL (M) =					3074.84	TOTAL (L) =					2637.12	

Total of (M) + (L) = (I) = ` 5711.96

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 358.91

Add: Allowance for Employee' insurance @4.75% of (L) = ` 125.26

Total of allowances = (II) = ` 484.18

Total = (I) + (II) = (III) = ` 6196.14

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 571.20

Grand Total = (III)+(IV)= ` 6767.33

This is cost for 12.00 Cu.M.

Therefore, Unit cost = 6767.33 ÷ 12.00 = ` 563.94

Say ` 564.00 per Cu.M.

Rate Analysis

for 8.00 Hours of Item: **Supply on hire JCB for loading, levelling purpose including necessary fuel, operator etc.**

Corresponding Item No. 19 of Section -III of MbPT SOR 2014
 New Item No. 19 of Section -III
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for JCB for 1 day of 8 hours including fuel, operator etc.	1.000	day	6,101.71	6101.71							
TOTAL (M) =					6101.71	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 6101.71

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 6101.71

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 610.17

Grand Total = (III)+(IV)= ` 6711.88

This is cost for 8.00 Hours

Therefore, Unit cost =
 6711.88 ÷ 8.00 = ` 838.99

Say ` 839.00 per Hour

Rate Analysis

for 8.00 Hours of Item: **Supply on hire Bulldozer of capacity TD80 with 12 feet wide blade including necessary fuel, oil & operator etc.**

Corresponding Item No. 20 of Section -III of MbPT SOR 2014
 New Item No. 20 of Section -III
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for Bulldozer for 1 day of 8 hours including fuel, operator etc.	1.000	day	12,711.90	12711.90							
TOTAL (M) =					12711.90	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 12711.90

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 12711.90

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1271.19

Grand Total = (III)+(IV)= ` 13983.09

This is cost for 8.00 Hours

Therefore, Unit cost =
 13983.09 ÷ 8.00 = ` 1747.89

Say ` 1748.00 per Hour

Rate Analysis

for 8.00 Hours of Item: **Supply on hire 8-10 T capacity road roller including necessary fuel, oil & operator etc.**

Corresponding Item No. 21 of Section -III of MbPT SOR 2014
 New Item No. 21 of Section -III
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for 8-10T capacity road roller for 1 day of 8 hours including fuel, operator etc.	1.000	day	5,508.49	5508.49							
TOTAL (M) =					5508.49	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 5508.49

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= `

Total = (I) + (II) = (III) = ` 5508.49

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 6059.34

This is cost for 8.00 Hours

Therefore, Unit cost = 6059.34 ÷ 8.00 = ` 757.42

Say ` 757.00 per Hour

Rate Analysis

for 8.00 Hours of Item: **Supply on hire vibratory road roller including necessary fuel, oil & operator etc.**

Corresponding Item No. 22 of Section -III of MbPT SOR 2014
 New Item No. 22 of Section -III
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Hire charges for Vibratory roller for 1 day of 8 hours including fuel, operator etc.	1.000	day	10,593.25	10593.25							
TOTAL (M) = `					10593.25	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 10593.25

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 10593.25

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 11652.58

This is cost for 8.00 Hours

Therefore, Unit cost = $\frac{11652.58}{8.00} = ` 1456.57$

Say ` 1457.00 per Hour

IV - Concrete Work

Sr. No.	Item Description	Rate in `	Unit
Note: Floor two level is the level of the second upper floor above ground/ plinth level. Ground/ plinth level slab and mezzanine floor slabs, if any, are not counted as floor levels.			
1	Providing & laying Cement concrete (1:2:4) or M15 grade including cost of curing etc. complete as directed in		
	(a) Foundation and plinth etc.		
	(i) excluding form work	5,912.00	Cu.M.
	(ii) including form work	6,285.00	Cu.M.
	(iii) Cost of form work	373.00	Cu.M.
	(b) Cement concrete walls with attached pilasters in foundations etc.		
	(i) excluding form work	5,951.00	Cu.M.
	(ii) including form work	9,571.00	Cu.M.
	(iii) Cost of form work	3,620.00	Cu.M.
	(c) Extra over rate for Item Nos.1 (a) & (b) above for adding admix super plastcizer Polytancrete NGT or equivalent procured from approved manufacturer @250 ml. per bag of cement as per maker's specifications.	97.00	Cu.M.
2	Providing & laying Cement concrete (1:3:6) or M10 grade in foundation and plinth etc. including cost of curing etc. complete as directed.		
	(a) excluding form work	5,405.00	Cu.M.
	(b) including form work	5,778.00	Cu.M.
	(c) Cost of form work	373.00	Cu.M.
3	Cement concrete (1:1.5:3) or M20 grade including cost of curing etc. complete as directed in		
	(a) Foundation and plinth etc.		
	(i) excluding form work	6,317.00	Cu.M.
	(ii) including form work	6,690.00	Cu.M.
	(iii) Cost of form work	373.00	Cu.M.
	(b) Cement concrete walls with attached pilasters in foundations etc.		
	(i) excluding form work	6,376.00	Cu.M.
	(ii) including form work	9,996.00	Cu.M.
	(iii) Cost of form work	3,620.00	Cu.M.
	(c) Extra over rate for Item Nos.3 (a) & (b) above for adding admix super plastcizer Polytancrete NGT or equivalent procured from approved manufacturer	121.00	Cu.M.

IV - Concrete Work

Sr. No.	Item Description	Rate in `	Unit
	@250 ml. per bag of cement as per maker's specifications.		
4	Providing & laying Cement concrete (1:3:6) in levelling course upto 100 mm thickness complete as directed.	5,350.00	Cu.M.
5	Providing & laying Cement concrete (1:4:8) in levelling course upto 100 mm thickness complete as directed.	5,030.00	Cu.M.
6	Providing & laying Cement concrete (1:2:4) or M15 grade including smooth finishing the exposed faces with cement mortar (1:3) including cost of curing etc. complete as directed upto floor two level in		
	(a) string course, copings, bed blocks, plain window sills etc.		
	(i) excluding form work	7,931.00	Cu.M.
	(ii) including form work	9,886.00	Cu.M.
	(iii) Cost of form work	1,955.00	Cu.M.
	(b) mouldings as in cornices, window sills		
	(i) excluding form work	9,683.00	Cu.M.
	(ii) including form work	11,638.00	Cu.M.
	(iii) Cost of form work	1,955.00	Cu.M.
	(c) Extra over rate for Item Nos.6 (a) & (b) above for adding admix super plastcizer Polytancrete NGT or equivalent procured from approved manufacturer @250 ml. per bag of cement.	97.00	Cu.M.
7	Extra over rates for Item No.6 above for every subsequent floor, above floor two level.	97.00	per floor per Cu.M.
8	Providing & laying Mass cement concrete (1:3:6) with 10% rubble plums in dock walls etc. including cost of curing etc. complete as directed.		
	(a) excluding form work	4,924.00	Cu.M.
	(b) including form work	5,297.00	Cu.M.
	(c) Cost of form work	373.00	Cu.M.
9	Providing & laying Cement concrete masonry in walls of structures using cement concrete (1:2:4) or M15 grade pre-cast solid blocks (factory made) of requisite sizes, having external face finished with waterproof cement mortar (1:2) 20 mm thick, the blocks set in cement mortar (1:4) including		

IV - Concrete Work

Sr. No.	Item Description	Rate in `	Unit
	in-situ cement concrete (1:2:4) or M15 grade wherever required, scaffolding, raking out joints, cement pointing (1:1), curing etc. complete as directed.		
	(a) upto floor two level	7,903.00	Cu.M.
	(b) Extra over rate for Item No.9(a) above for every subsequent floor above floor two level.	79.00	per floor per Cu.M.
10	Providing & laying Cement concrete masonry in walls of structures using cement concrete (1:2:4) or M15 grade pre-cast hollow blocks (factory made) 100 mm thick and of requisite sizes, set in cement mortar (1:6) including in-situ cement concrete (1:2:4) or M15 grade wherever required, scaffolding, raking out joints, curing etc. complete as directed.		
	(a) upto floor two level	1,021.00	Sq.M.
	(b) Extra over rate for Item No.10(a) above for every subsequent floor above floor two level.	10.00	per floor per Sq.M.
11	-- do -- do -- pre-cast hollow blocks (factory made) 150 mm thick -- do -- as in Item No.10 above.		
	(a) upto floor two level	1,274.00	Sq.M.
	(b) Extra over rate for Item No.11(a) above for every subsequent floor above floor two level.	13.00	per floor per Sq.M.
12	-- do -- do -- pre-cast hollow blocks (factory made) 200 mm thick -- do -- as in Item No.10 above.		
	(a) upto floor two level	1,438.00	Sq.M.
	(b) Extra over rate for Item No.12(a) above for every subsequent floor above floor two level.	14.00	per floor per Sq.M.
13	Providing & laying Cement concrete masonry for compound wall etc. using cement concrete (1:2:4) or M15 grade pre-cast solid blocks (factory made) of requisite sizes, the blocks set in cement mortar (1:4) including in-situ concrete (1:2:4) or M15 grade wherever required, scaffolding, raking out joints, cement pointing (1:1), curing etc. complete as directed.	7,903.00	Cu.M.

IV - Concrete Work

Sr. No.	Item Description	Rate in `	Unit
14	Providing & laying Damp proof course in cement concrete (1:2:4) with water proofing compound to maker's specifications including curing, finishing top surface smooth etc. complete as directed.		
	(a) Cement concrete course 25 mm thick	297.00	Sq.M.
	(b) Cement concrete course 40 mm thick	390.00	Sq.M.
	(c) Cement concrete course 50 mm thick	453.00	Sq.M.
15	Taking 100 mm dia. concrete core from concrete pavement slab upto M35 grade at the location as directed by Engineer-in-charge and testing the extracted core at approved laboratories in the presence of MbPT official including cost of taking core, transporting to approved laboratory, testing of cores etc. complete as directed.	4,247.00	Each core
16	Providing & laying Cement concrete (1:1:2) M25 grade in foundation and plinth etc. complete as directed.		
	(a) excluding form work	7,277.00	Cu.M.
	(b) including form work	7,650.00	Cu.M.
	(c) Cost of form work	373.00	Cu.M.
17	Providing & laying Cement concrete (1:1:2) M25 grade in superstructure wall with attached pillasters in foundation etc. complete as directed.		
	(a) excluding form work	7,336.00	Cu.M.
	(b) including form work	10,956.00	Cu.M.
	(c) Cost of form work	3,620.00	Cu.M.
	(d) Extra over rate for Item Nos.16 (a) & (b) and 17 (a) & (b) above for adding admix super plastcizer Polytancrete NGT or equivalent procured from approved manufacturer @250 ml. per bag of cement as per maker's specifications.	151.00	Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:2:4) in plinth & foundation excluding form work, etc. complete.**

Corresponding Item No. 1a(i) of Section -IV of MbPT SOR 2014
 New Item No. 1a(i) of Section -IV
 NBO Ref. No.5.3.13a Page:101 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-20 mm	0.670	Cu.M.	898.31	601.87	1.	Mason-I	0.050	Nos.	540.38	27.02	
2.	Stone aggregate-10 mm	0.220	Cu.M.	898.31	197.63	2.	Mason-II	0.050	Nos.	525.00	26.25	
3.	Coarse Sand	0.445	Cu.M.	2994.92	1332.74	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.2225 Cu.M.	0.320	MT	5762.73	1844.07	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		35.00	6.	Bhisti	0.270	Nos.	478.85	129.29	
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =					4181.31	TOTAL (L) =					982.24	

Total of (M) + (L) = (I) = ` 5163.55

Add: Allowance for Water charges @1% of (I) = ` 51.64

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 231.97

Total = (I) + (II) = (III) = ` 5395.52

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 516.35

Grand Total = (III)+(IV)= ` 5911.87

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 5911.87 ÷ 1.0 = ` 5911.87

Say ` 5912.00 per Cu.M.

Rate Analysis

for 6.25 Cu.M. of Item: **Cement Concrete (1:2:4) in plinth & foundation including form work - centring/ shuttering, etc. complete.**

Corresponding Item No. 1a(ii) of Section -IV of MbPT SOR 2014
 New Item No. 1a(ii) of Section -IV
 NBO Ref. No.9.1a Page:253 Vol:I
 & Item No.1a(i) above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	6.250	Cu.M.	5912.00	36950.00							
2.	Form work - 10 Sq.M. (Form Work -'A', Section-IV)	10.0	Sq.M.	233.00	2330.00							
TOTAL (M) =					39280.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 39280.00 Total = (I) + (II) = (III) = ` 39280.00

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 39280.00

This is cost for 6.25 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` Therefore, Unit cost = $\frac{39280.00}{6.25} = ` 6284.80$

Total of allowances = (II) = ` **Say ` 6285.00 per Cu.M.**

Thus, **cost of form work** per Cu.M. = $\frac{2330.00}{6.25} = ` 372.80$

SAY Rs. 373.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:2:4) in c.c. walls with attached pilasters in foundations etc. excluding form work, etc.**

Corresponding Item No. 1b(i) of Section -IV of MbPT SOR 2014
 New Item No. 1b(i) of Section -IV
 NBO Ref. No.5.3.13b Page:101 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-20 mm	0.670	Cu.M.	898.31	601.87	1.	Mason-I	0.050	Nos.	540.38	27.02	
2.	Stone aggregate-10 mm	0.220	Cu.M.	898.31	197.63	2.	Mason-II	0.050	Nos.	525.00	26.25	
3.	Coarse Sand	0.445	Cu.M.	2994.92	1332.74	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.2225 Cu.M.	0.320	MT	5762.73	1844.07	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		35.00	6.	Bhisti	0.270	Nos.	478.85	129.29	
7.	Scaffolding		Lumpsum		35.00							
8.	Sundries		Lumpsum		50.00							
TOTAL (M) =					4216.31	TOTAL (L) =					982.24	

Total of (M) + (L) = (I) = ` 5198.55

Add: Allowance for Water charges @1% of (I) = ` 51.99

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 232.32

Total = (I) + (II) = (III) = ` 5430.87

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 519.85

Grand Total = (III)+(IV)= ` 5950.72

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 5950.72 ÷ 1.0 = ` 5950.72

Say ` 5951.00 per Cu.M.

Rate Analysis for 1.40 Cu.M. of Item: **Cement Concrete (1:2:4) in c.c. walls with attached pilasters in foundations etc. including form work - centring/ shuttering, etc. complete.**

Corresponding Item No. 1b(ii) of Section -IV of MbPT SOR 2014
 New Item No. 1b(ii) of Section -IV
 NBO Ref. No.9.1b Page:254 Vol:I

& Item No.1b(i) above & Form Work-'C' hereinafter

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	1.400	Cu.M.	5951.00	8331.40							
2.	Form work - 14 Sq.M. (7X1X2=14 Sq.M.) (Form Work -'C', Section-IV)	14.0	Sq.M.	362.00	5068.00							
TOTAL (M) =					13399.40	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 13399.40 Total = (I) + (II) = (III) = ` 13399.40

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 13399.40

This is cost for 1.40 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` Therefore, Unit cost = ` 9571.00

Total of allowances = (II) = ` **Say ` 9571.00 per Cu.M.**

Thus, **cost of form work** per Cu.M. = 5068.00 ÷ 1.40 = ` 3620.00

SAY Rs. 3620.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for super plasticizer Polytancrete NGT or equivalent**

Corresponding Item No. 1c of Section -IV of MbPT SOR 2014
 New Item No. 1c of Section -IV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polytancrete NGT	1.600	Lit	55.08	88.14							
TOTAL (M) =					88.14	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 88.14

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 88.14

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 8.81

Grand Total = (III)+(IV)= ` 96.95

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 96.95 ÷ 1.0 = ` 96.95

Say ` 97.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:3:6) in plinth & foundation excluding form work, etc. complete.**

Corresponding Item No. 2a of Section -IV of MbPT SOR 2014
 New Item No. 2a of Section -IV
 NBO Ref. No.5.3.14 Page:102 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-20 mm	0.700	Cu.M.	898.31	628.82	1.	Mason-I	0.050	Nos.	540.38	27.02	
2.	Stone aggregate-10 mm	0.240	Cu.M.	898.31	215.59	2.	Mason-II	0.050	Nos.	525.00	26.25	
3.	Coarse Sand	0.470	Cu.M.	2994.92	1407.61	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.1567 Cu.M.	0.220	MT	5762.73	1267.80	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		35.00	6.	Bhisti	0.270	Nos.	478.85	129.29	
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =					3724.82	TOTAL (L) =					982.24	

Total of (M) + (L) = (I) = ` 4707.06

Add: Allowance for Water charges @1% of (I) = ` 47.07

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 227.41

Total = (I) + (II) = (III) = ` 4934.47

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 470.71

Grand Total = (III)+(IV)= ` 5405.18

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 5405.18 ÷ 1.0 = ` 5405.18

Say ` 5405.00 per Cu.M.

Rate Analysis

for 6.25 Cu.M. of Item: **Cement Concrete (1:3:6) in plinth & foundation including form work - centring/ shuttering, etc. complete.**

Corresponding Item No. 2b of Section -IV of MbPT SOR 2014
 New Item No. 2b of Section -IV
 NBO Ref. No.9.1a Page:253 Vol:
 & Item No.2a above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	6.250	Cu.M.	5405.00	33781.25							
2.	Form work - 10 Sq.M. (Form Work -'A', Section-IV)	10.0	Sq.M.	233.00	2330.00							
TOTAL (M) =					36111.25	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 36111.25 Total = (I) + (II) = (III) = ` 36111.25

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 36111.25

This is cost for 6.25 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` Therefore, Unit cost = 36111.25 ÷ 6.25 = ` 5777.80

Total of allowances = (II) = ` **Say ` 5778.00 per Cu.M.**

Thus, **cost of form work** per Cu.M. = 2330.00 ÷ 6.25 = ` 372.80

SAY Rs. 373.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:1.5:3) in plinth & foundation excluding form work, etc. complete.**

Corresponding Item No. 3a(i) of Section -IV of MbPT SOR 2014
 New Item No. 3a(i) of Section -IV
 NBO Ref. No.5.3.11a Page:99 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-20 mm	0.570	Cu.M.	898.31	512.04	1.	Mason-I	0.050	Nos.	540.38	27.02	
2.	Stone aggregate-10 mm	0.280	Cu.M.	898.31	251.53	2.	Mason-II	0.050	Nos.	525.00	26.25	
3.	Coarse Sand	0.425	Cu.M.	2994.92	1272.84	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.2833 Cu.M.	0.400	MT	5762.73	2305.09	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		35.00	6.	Bhisti	0.270	Nos.	478.85	129.29	
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =					4546.50	TOTAL (L) =					982.24	

Total of (M) + (L) = (I) = ` 5528.73

Add: Allowance for Water charges @1% of (I) = ` 55.29

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 235.63

Total = (I) + (II) = (III) = ` 5764.36

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 552.87

Grand Total = (III)+(IV)= ` 6317.23

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 6317.23 ÷ 1.0 = ` 6317.23

Say ` 6317.00 per Cu.M.

Rate Analysis

for 6.25 Cu.M. of Item: **Cement Concrete (1:1.5:3) in plinth & foundation including form work - centring/ shuttering, etc. complete.**

Corresponding Item No. 3a(ii) of Section -IV of MbPT SOR 2014
 New Item No. 3a(ii) of Section -IV
 NBO Ref. No.9.1a Page:253 Vol:
 & Item No.3a(i) above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	6.250	Cu.M.	6317.00	39481.25							
2.	Form work - 10 Sq.M. (Form Work -'A', Section-IV)	10.0	Sq.M.	233.00	2330.00							
TOTAL (M) =					41811.25	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 41811.25 Total = (I) + (II) = (III) = ` 41811.25

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 41811.25

This is cost for 6.25 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` Therefore, Unit cost = 41811.25 ÷ 6.25 = ` 6689.80

Total of allowances = (II) = ` **Say ` 6690.00 per Cu.M.**

Thus, **cost of form work** per Cu.M. = 2330.00 ÷ 6.25 = ` 372.80

SAY Rs. 373.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:1.5:3) in c.c. walls with attached pilasters in foundations etc. excluding form work, etc.**

Corresponding Item No. 3b(i) of Section -IV of MbPT SOR 2014
 New Item No. 3b(i) of Section -IV
 NBO Ref. No.5.3.11b Page:99 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-20 mm	0.570	Cu.M.	898.31	512.04	1.	Mason-I	0.060	Nos.	540.38	32.42	
2.	Stone aggregate-10 mm	0.280	Cu.M.	898.31	251.53	2.	Mason-II	0.060	Nos.	525.00	31.50	
3.	Coarse Sand	0.425	Cu.M.	2994.92	1272.84	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.2833 Cu.M.	0.400	MT	5762.73	2305.09	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		35.00	6.	Bhisti	0.280	Nos.	478.85	134.08	
7.	Scaffolding		Lumpsum		35.00							
8.	Sundries		Lumpsum		50.00							
TOTAL (M) =					4581.50	TOTAL (L) =					997.68	

Total of (M) + (L) = (I) = ` 5579.18

Add: Allowance for Water charges @1% of (I) = ` 55.79

Add: Allowance for PF @13.61% of (L) = ` 135.78

Add: Allowance for Employee' insurance @4.75% of (L) = ` 47.39

Total of allowances = (II) = ` 238.97

Total = (I) + (II) = (III) = ` 5818.14

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 557.92

Grand Total = (III)+(IV)= ` 6376.06

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 6376.06 ÷ 1.0 = ` 6376.06

Say ` 6376.00 per Cu.M.

Rate Analysis

for 1.40 Cu.M. of Item: **Cement Concrete (1:1.5:3) in c.c. walls with attached pilasters in foundations etc. including form work - centring/ shuttering, etc. complete.**

Corresponding Item No. 3b(ii) of Section -IV of MbPT SOR 2014
 New Item No. 3b(ii) of Section -IV
 NBO Ref. No.5.3.13b Page:101 Vol:I
 & Item No.3b(i) above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	1.400	Cu.M.	6376.00	8926.40							
2.	Form work - 14 Sq.M. (7X1X2=14 Sq.M.) (Form Work -'C', Section-IV)	14.0	Sq.M.	362.00	5068.00							
TOTAL (M) =					13994.40	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 13994.40

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Thus, **cost of form work** per Cu.M. = $5068.00 \div 1.40 = ` 3620.00$

SAY Rs. 3620.00 per Cu.M.

Total = (I) + (II) = (III) = ` 13994.40

Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Grand Total = (III)+(IV)= ` 13994.40

This is cost for 1.40 Cu.M.

Therefore, Unit cost = $13994.40 \div 1.40 = ` 9996.00$

Say ` 9996.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for super plasticizer Polytancrete NGT or equivalent**

Corresponding Item No. 3c of Section -IV of MbPT SOR 2014
 New Item No. 3c of Section -IV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polytancrete NGT	2.000	Lit	55.08	110.17							
TOTAL (M) =					110.17	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 110.17 Total = (I) + (II) = (III) = ` 110.17

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 11.02

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 121.19

This is cost for 1.0 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` Therefore, Unit cost = 121.19 ÷ 1.0 = ` 121.19

Total of allowances = (II) = ` **Say ` 121.00 per Cu.M.**

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:3:6) in levelling course/ flooring excluding form work, etc. complete.**

Corresponding Item No. 4 of Section -IV of MbPT SOR 2014
 New Item No. 4 of Section -IV
 NBO Ref. No.5.3.5 Page:93 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-20 mm	0.650	Cu.M.	898.31	583.90	1.	Mason-I	0.050	Nos.	540.38	27.02	
2.	Stone aggregate-10 mm	0.240	Cu.M.	898.31	215.59	2.	Mason-II	0.050	Nos.	525.00	26.25	
3.	Coarse Sand	0.470	Cu.M.	2994.92	1407.61	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.1567 Cu.M.	0.220	MT	5762.73	1267.80	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		30.00	6.	Bhisti	0.270	Nos.	478.85	129.29	
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =					3674.91	TOTAL (L) =					982.24	

Total of (M) + (L) = (I) = ` 4657.15

Add: Allowance for Water charges @1% of (I) = ` 46.57

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 226.91

Total = (I) + (II) = (III) = ` 4884.06

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 465.71

Grand Total = (III)+(IV)= ` 5349.77

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 5349.77 ÷ 1.0 = ` 5349.77

Say ` 5350.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:4:8) in levelling course/ flooring excluding form work, etc. complete.**

Corresponding Item No. 5 of Section -IV of MbPT SOR 2014
 New Item No. 5 of Section -IV
 NBO Ref. No.5.3.6 Page:94 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-40 mm	0.650	Cu.M.	898.31	583.90	1.	Mason-I	0.050	Nos.	540.38	27.02	
2.	Stone aggregate-20 mm	0.240	Cu.M.	898.31	215.59	2.	Mason-II	0.050	Nos.	525.00	26.25	
3.	Coarse Sand	0.470	Cu.M.	2994.92	1407.61	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.1175 Cu.M.	0.170	MT	5762.73	979.66	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		30.00	6.	Bhisti	0.270	Nos.	478.85	129.29	
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =					3386.77	TOTAL (L) =					982.24	

Total of (M) + (L) = (I) = ` 4369.01

Add: Allowance for Water charges @1% of (I) = ` 43.69

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 224.03

Total = (I) + (II) = (III) = ` 4593.04

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 436.90

Grand Total = (III)+(IV)= ` 5029.94

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 5029.94 ÷ 1.0 = ` 5029.94

Say ` 5030.00 per Cu.M.

Rate Analysis

for 0.03 Cu.M. of Item: **Cement Concrete (1:2:4) including finishing smooth with C.M.(1:3) excluding form work over copings, bed blocks, plain window sills etc.**

Corresponding Item No. 6a(i) of Section -IV of MbPT SOR 2014
 New Item No. 6a(i) of Section -IV
 NBO Ref. No.5.4.1a & 5.3.13b Page:101 Vol:I
 & Item No.1b(i) above 103&107

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete (1:2:4) (Item No.1b(i) above)	0.030	Cu.M.	5951.00	178.53							
2.	Finishing smooth with CM (1:3) (see attachment-Next page)	0.360	Sq.M.	165.00	59.40							
TOTAL (M) =					237.93	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 237.93

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 237.93

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 237.93

This is cost for 0.03 Cu.M.

Therefore, Unit cost =
 237.93 ÷ 0.03 = ` 7931.00

Say ` 7931.00 per Cu.M.

Rate Analysis for 10.00 Sq.M. of Item: **Finishing smooth cement concrete with CM (1:3) excluding form work over copings, bed blocks, plain window sills etc.**
(Attachment to Item No.6a(i))

Corresponding Item No. of Section -IV of MbPT SOR 2014
 New Item No. Attachment to Item No.6a(i)
 NBO Ref. No.5.4.1a & 5.3.15b Page:103 Vol:I
 104&107

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Mortar (1:3) (Basic Rates of Mortars)	0.072	Cu.M.	6734.00	484.85	1.	Mason-I	0.320	Nos.	540.38	172.92	
						2.	Mason-II	0.330	Nos.	525.00	173.25	
						3.	Mazdoor-Female	0.810	Nos.	478.85	387.87	
						4.	Bhisti	0.270	Nos.	478.85	129.29	
TOTAL (M) =					484.85	TOTAL (L) =					863.33	

Total of (M) + (L) = (I) = ` 1348.18

Add: Allowance for Water charges @1% of (I) = ` 13.48

Add: Allowance for PF @13.61% of (L) = ` 117.50

Add: Allowance for Employee' insurance @4.75% of (L) = ` 41.01

Total of allowances = (II) = ` 171.99

Total = (I) + (II) = (III) = ` 1520.17

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 134.82

Grand Total = (III)+(IV)= ` 1654.98

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 1654.98 ÷ 10.00 = ` 165.50

Say ` 165.00 per Sq.M.

Rate Analysis

for 0.80 Cu.M. of Item:

Cement Concrete (1:2:4) including finishing smooth with C.M.(1:3) including form work - centering/ shuttering etc. over copings, bed blocks, plain window sills etc.

Corresponding Item No. 6a(ii)

of Section -IV

of MbPT SOR 2014

New Item No. 6a(ii)

of Section -IV

NBO Ref. No.9.1(j) Page:270

Vol:

& Item No.6a(i) above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	0.800	Cu.M.	7931.00	6344.80							
2.	Form work - 4 Sq.M. (Form Work -'G', Section-IV)	4.0	Sq.M.	391.00	1564.00							
TOTAL (M) =					7908.80	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 7908.80

Total = (I) + (II) = (III) = ` 7908.80

Add: Allowance for Water charges @1% of (I) = `Add: Contractor's over-heads & profit @10% of (I) (IV) = `Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 7908.80

This is cost for 0.80 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = `Therefore, Unit cost =
7908.80 ÷ 0.80 = ` 9886.00

Total of allowances = (II) = `

Say ` 9886.00 per Cu.M.Thus, **cost of form work** per Cu.M. = 1564.00 ÷ 0.80 = ` 1955.00**SAY Rs. 1955.00 per Cu.M.**

Rate Analysis

for 1.00 Cu.M. of Item: **Cement Concrete (1:2:4) including finishing smooth with C.M.(1:3) excluding form work in mouldings as in cornices, window sills etc.**

Corresponding Item No. 6b(i) of Section -IV of MbPT SOR 2014
 New Item No. 6b(i) of Section -IV
 NBO Ref. No.5.4.15d Page:104 Vol:I
 & Item No.1b(i) above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete (1:2:4) (Item No.6a(i) above)	1.000	Cu.M.	7931.00	7931.00		Extra Labour for moulding					
						1.	Mason-I	0.580	Nos.	540.38	313.42	
						2.	Mason-II	0.580	Nos.	525.00	304.50	
						3.	Mazdoor-Male	1.500	Nos.	478.85	718.28	
						4.	Bhisti	0.060	Nos.	478.85	28.73	
TOTAL (M) =					7931.00	TOTAL (L) =					1364.93	

Total of (M) + (L) = (I) = ` 9295.93

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 250.60

Total = (I) + (II) = (III) = ` 9546.53

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 9683.02

This is cost for 1.00 Cu.M.

Therefore, Unit cost = 9683.02 ÷ 1.00 = ` 9683.02

Say ` 9683.00 per Cu.M.

Rate Analysis

for 0.80 Cu.M. of Item: **Cement Concrete (1:2:4) including finishing smooth with C.M.(1:3) including form work - centering/ shuttering etc. in mouldings as in cornices, window sills etc.**

Corresponding Item No. 6b(ii) of Section -IV of MbPT SOR 2014
 New Item No. 6b(ii) of Section -IV
 NBO Ref. No.9.1(j) Page:270 Vol:
 & Item No.6b(i) above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	0.800	Cu.M.	9683.00	7746.40							
2.	Form work - 4 Sq.M. (Form Work -'G', Section-IV)	4.0	Sq.M.	391.00	1564.00							
TOTAL (M) = `					9310.40	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 9310.40

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Thus, **cost of form work** per Cu.M. = $1564.00 \div 0.80 = ` 1955.00$

SAY Rs. 1955.00 per Cu.M.

Total = (I) + (II) = (III) = ` 9310.40

Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Grand Total = (III)+(IV)= ` 9310.40

This is cost for 0.80 Cu.M.

Therefore, Unit cost = $9310.40 \div 0.80 = ` 11638.00$

Say ` 11638.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for super plasticizer Polytancrete NGT or equivalent**

Corresponding Item No. 6c of Section -IV of MbPT SOR 2014
 New Item No. 6c of Section -IV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polytancrete NGT	1.600	Lit	55.08	88.14							
TOTAL (M) =					88.14	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 88.14 Total = (I) + (II) = (III) = ` 88.14

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 8.81

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 96.95

This is cost for 1.0 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` Therefore, Unit cost = 96.95 ÷ 1.0 = ` 96.95

Total of allowances = (II) = ` **Say ` 97.00 per Cu.M.**

Rate Analysis

for 1.00 Cu.M. of Item: **Extra over rates for item 6 above
for every subsequent floor over floor two level**

Corresponding Item No. 7 of Section -IV of MbPT SOR 2014
 New Item No. 7 of Section -IV
 NBO Ref. No.5.3.18 Page:106 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item No.6a(i)	1.0	Cu.M.	7931.00	7931.00							
2.	Rate for Item No.6b(i)	1.0	Sq.M.	9683.00	9683.00							
	Average rate=				8807.00							
TOTAL (M) = `					8807.00	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 8807.00 Total = (II) = ` 88.07

Consider extra rate as 1% of (I) (II) = ` 88.07 Add: Contractor's over-heads & profit @10% of (I) (III) = ` 8.81

Grand Total = (II)+(III)= ` 96.88

This is cost for 1.00 Cu.M.

Therefore, Unit cost =
 96.88 ÷ 1.00 = ` 96.88

Say ` 97.00 per floor per Cu.M.

Rate Analysis

for 1.00 Cu.M. of Item: **Mass cement concrete (1:3:6) with 10% rubble Plums
excluding form work in dock wall etc.**

Corresponding Item No. 8a of Section -IV of MbPT SOR 2014
 New Item No. 8a of Section -IV
 NBO Ref. No.5.4.15d Page:104 Vol:I
 & Item No.1b(i) above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Material cost of Concrete (1:3:6) (Item No.2a above)	0.900	Cu.M.	3724.82	3352.34	1.	Labour cost of Concrete (1:3:6) (Item No.2a above)	0.900	Cu.M.	982.24	884.01	
2.	Rubble	0.100	Cu.M.	538.98	53.90							
TOTAL (M) =					3406.24	TOTAL (L) =					884.01	

Total of (M) + (L) = (I) = ` 4290.25

Add: Allowance for Water charges @1% of (I) = ` 42.90

Add: Allowance for PF @13.61% of (L) = ` 120.31

Add: Allowance for Employee' insurance @4.75% of (L) = ` 41.99

Total of allowances = (II) = ` 205.21

Total = (I) + (II) = (III) = ` 4495.46

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 429.03

Grand Total = (III)+(IV)= ` 4924.49

This is cost for 1.00 Cu.M.

Therefore, Unit cost = 4924.49 ÷ 1.00 = ` 4924.49

Say ` 4924.00 per Cu.M.

Rate Analysis

for 6.25 Cu.M. of Item:

Mass cement concrete (1:3:6) with 10% rubble Plums including form work - centering/ shuttering etc. in dock wall etc.

Corresponding Item No. 8b

of Section -IV

of MbPT SOR 2014

New Item No. 8b

of Section -IV

NBO Ref. No.9.1(a) Page:253

Vol:I

& Item No.8a above

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	6.250	Cu.M.	4924.00	30775.00							
2.	Form work - 10 Sq.M. (Form Work -'A', Section-IV)	10.0	Sq.M.	233.00	2330.00							
TOTAL (M) =					33105.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 33105.00

Total = (I) + (II) = (III) = ` 33105.00

Add: Allowance for Water charges @1% of (I) = `Add: Contractor's over-heads & profit @10% of (I) (IV) = `Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 33105.00

This is cost for 6.25 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = `Therefore, Unit cost =
33105.00 ÷ 6.25 = ` 5296.80

Total of allowances = (II) = `

Say ` 5297.00 per Cu.M.Thus, **cost of form work** per Cu.M. = 2330.00 ÷ 6.25 = ` 372.80**SAY Rs. 373.00 per Cu.M.**

Rate Analysis

for 1.89 Cu.M. of Item: **Solid (Pre-cast cement concrete blocks) block masonry in CM (1:4), upto floor two level**

Corresponding Item No. 9a of Section -IV of MbPT SOR 2014

New Item No. 9a of Section -IV

NBO Ref. No.7.75 Page:227 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Pre-cast concrete blocks - solid	112.0	Nos.	76.81	8603.14	1.	Mason-I	2.500	Nos.	540.38	1350.95	
2.	Cement Mortar (1:4) (Basic Rates of Mortars)	0.180	Cu.M.	5984.00	1077.12	2.	Mazdoor-Male	1.750	Nos.	478.85	837.99	
3.	Extra for waterproofing compound in CM (7.60X0.18 Kg.)	1.368	Kgs.	46.61	63.76	3.	Mazdoor-Female	1.750	Nos.	478.85	837.99	
4.	Carriage		Lumpsum		120.00							
5.	Scaffolding		Lumpsum		35.00							
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =					9929.03	TOTAL (L) =					3026.93	

Total of (M) + (L) = (I) = ` 12955.95

Add: Allowance for Water charges @1% of (I) = ` 129.56

Add: Allowance for PF @13.61% of (L) = ` 411.96

Add: Allowance for Employee' insurance @4.75% of (L) = ` 143.78

Total of allowances = (II) = ` 685.30

Total = (I) + (II) = (III) = ` 13641.25

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1295.60

Grand Total = (III)+(IV)= ` 14936.85

This is cost for 1.89 Cu.M.

Therefore, Unit cost = 14936.85 ÷ 1.89 = ` 7903.09

Say ` 7903.00 per Cu.M.

Rate Analysis

for 1.00 Cu.M. of Item: **Extra over rates for item 9a above
for every subsequent floor over floor two level**

Corresponding Item No. 9b of Section -IV of MbPT SOR 2014
 New Item No. 9b of Section -IV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item No.9a	1.0	Cu.M.	7903.00	7903.00							
TOTAL (M) =					7903.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 7903.00 Total = (I) + (II) = (II) = ` 79.03

Consider extra rate as 1% of (I) (II) = ` 79.03 Add: Contractor's over-heads & profit @10% of (I) (III) = `

Grand Total = (II)+(III)= ` 79.03

This is cost for 1.00 Cu.M.

Therefore, Unit cost =
 79.03 ÷ 1.00 = ` 79.03

Say ` 79.00 per floor per Cu.M.

Rate Analysis

for 9.29 Sq.M. of Item: **Hollow (Pre-cast cement concrete blocks) block masonry (100 mm thick blocks) in CM (1:6), upto floor two level**

Corresponding Item No. 10a of Section -IV of MbPT SOR 2014

New Item No. 10a of Section -IV

NBO Ref. No.7.88 Page:234 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Pre-cast concrete blocks - hollow (100 mm)	112.0	Nos.	43.21	4839.27	1.	Mason-I	2.000	Nos.	540.38	1080.76	
2.	Cement Mortar (1:6) (Basic Rates of Mortars)	0.100	Cu.M.	5235.00	523.50	2.	Mazdoor-Male	1.500	Nos.	478.85	718.28	
3.	Extra for waterproofing compound in CM (7.60X0.18 Kg.)	1.368	Kgs.	46.61	63.76	3.	Mazdoor-Female	1.500	Nos.	478.85	718.28	
4.	Carriage		Lumpsum		120.00							
5.	Scaffolding		Lumpsum		35.00							
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =					5611.53	TOTAL (L) =					2517.31	

Total of (M) + (L) = (I) = ` 8128.84

Add: Allowance for Water charges @1% of (I) = ` 81.29

Add: Allowance for PF @13.61% of (L) = ` 342.61

Add: Allowance for Employee' insurance @4.75% of (L) = ` 119.57

Total of allowances = (II) = ` 543.47

Total = (I) + (II) = (III) = ` 8672.31

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 812.88

Grand Total = (III)+(IV)= ` 9485.19

This is cost for 9.29 Sq.M.

Therefore, Unit cost = 9485.19 ÷ 9.29 = ` 1021.01

Say ` 1021.00 per Sq.M.

Rate Analysis

for 1.00 Sq.M. of Item: **Extra over rates for item 10a above
for every subsequent floor over floor two level**

Corresponding Item No. 10b of Section -IV of MbPT SOR 2014
 New Item No. 10b of Section -IV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item No.10a	1.0	Sq.M.	1021.00	1021.00							
TOTAL (M) =					1021.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 1021.00 Total = (I) + (II) = (II) = ` 10.21

Consider extra rate (II) = ` 10.21 as 1% of (I) Add: Contractor's over-heads & profit @10% of (I) (III) = `

Grand Total = (II)+(III)= ` 10.21

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 10.21 ÷ 1.00 = ` 10.21

Say ` 10.00 per floor per Sq.M.

Rate Analysis

for 9.29 Sq.M. of Item: **Hollow (Pre-cast cement concrete blocks) block masonry (150 mm thick blocks) in CM (1:6), upto floor two level**

Corresponding Item No. 11a of Section -IV of MbPT SOR 2014

New Item No. 11a of Section -IV

NBO Ref. No.7.88 Page:234 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Pre-cast concrete blocks - hollow (150 mm)	112.0	Nos.	55.69	6237.28	1.	Mason-I	2.250	Nos.	540.38	1215.86	
2.	Cement Mortar (1:6) (Basic Rates of Mortars)	0.180	Cu.M.	5235.00	942.30	2.	Mazdoor-Male	1.630	Nos.	478.85	780.53	
3.	Extra for waterproofing compound in CM (7.60X0.18 Kg.)	1.368	Kgs.	46.61	63.76	3.	Mazdoor-Female	1.630	Nos.	478.85	780.53	
4.	Carriage		Lumpsum		120.00							
5.	Scaffolding		Lumpsum		35.00							
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =					7428.34	TOTAL (L) =					2776.91	

Total of (M) + (L) = (I) = ` 10205.25

Add: Allowance for Water charges @1% of (I) = ` 102.05

Add: Allowance for PF @13.61% of (L) = ` 377.94

Add: Allowance for Employee' insurance @4.75% of (L) = ` 131.90

Total of allowances = (II) = ` 611.89

Total = (I) + (II) = (III) = ` 10817.14

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1020.52

Grand Total = (III)+(IV)= ` 11837.66

This is cost for 9.29 Sq.M.

Therefore, Unit cost = 11837.66 ÷ 9.29 = ` 1274.24

Say ` 1274.00 per Sq.M.

Rate Analysis

for 1.00 Sq.M. of Item: **Extra over rates for item 11a above
for every subsequent floor over floor two level**

Corresponding Item No. 11b of Section -IV of MbPT SOR 2014
 New Item No. 11b of Section -IV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item No.11a	1.0	Sq.M.	1274.00	1274.00							
TOTAL (M) =					1274.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 1274.00 Total = (I) + (II) = (II) = ` 12.74

Consider extra rate (II) = ` 12.74 as 1% of (I) Add: Contractor's over-heads & profit @10% of (I) (III) = `

Grand Total = (II)+(III)= ` 12.74

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 12.74 ÷ 1.00 = ` 12.74

Say ` 13.00 per floor per Sq.M.

Rate Analysis

for 9.29 Sq.M. of Item: **Hollow (Pre-cast cement concrete blocks) block masonry (200 mm thick blocks) in CM (1:6), upto floor two level**

Corresponding Item No. 12a of Section -IV of MbPT SOR 2014

New Item No. 12a of Section -IV

NBO Ref. No.7.88 Page:234 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Pre-cast concrete blocks - hollow (200 mm)	112.0	Nos.	65.29	7312.67	1.	Mason-I	2.500	Nos.	540.38	1350.95	
2.	Cement Mortar (1:6) (Basic Rates of Mortars)	0.180	Cu.M.	5235.00	942.30	2.	Mazdoor-Male	1.750	Nos.	478.85	837.99	
3.	Extra for waterproofing compound in CM (7.60X0.18 Kg.)	1.368	Kgs.	46.61	63.76	3.	Mazdoor-Female	1.750	Nos.	478.85	837.99	
4.	Carriage		Lumpsum		120.00							
5.	Scaffolding		Lumpsum		35.00							
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =					8503.73	TOTAL (L) =					3026.93	

Total of (M) + (L) = (I) = ` 11530.66

Add: Allowance for Water charges @1% of (I) = ` 115.31

Add: Allowance for PF @13.61% of (L) = ` 411.96

Add: Allowance for Employee' insurance @4.75% of (L) = ` 143.78

Total of allowances = (II) = ` 671.05

Total = (I) + (II) = (III) = ` 12201.71

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1153.07

Grand Total = (III)+(IV)= ` 13354.78

This is cost for 9.29 Sq.M.

Therefore, Unit cost = 13354.78 ÷ 9.29 = ` 1437.54

Say ` 1438.00 per Sq.M.

Rate Analysis

for 1.00 Sq.M. of Item: **Extra over rates for item 12a above
for every subsequent floor over floor two level**

Corresponding Item No. 12b of Section -IV of MbPT SOR 2014
 New Item No. 12b of Section -IV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item No.12a	1.0	Sq.M.	1438.00	1438.00							
TOTAL (M) =					1438.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 1438.00 Total = (I) + (II) = (II) = ` 14.38

Consider extra rate as 1% of (I) (II) = ` 14.38 Add: Contractor's over-heads & profit @10% of (I) (III) = `

Grand Total = (II)+(III)= ` 14.38

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 14.38 ÷ 1.00 = ` 14.38

Say ` 14.00 per floor per Sq.M.

Rate Analysis

for 1.89 Cu.M. of Item: **Solid (Pre-cast cement concrete blocks) block masonry in CM (1:4) in compound wall**

Corresponding Item No. 13 of Section -IV of MbPT SOR 2014

New Item No. 13 of Section -IV

NBO Ref. No.7.75 Page:227 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Pre-cast concrete blocks - solid	112.0	Nos.	76.81	8603.14	1.	Mason-I	2.500	Nos.	540.38	1350.95	
2.	Cement Mortar (1:4) (Basic Rates of Mortars)	0.180	Cu.M.	5984.00	1077.12	2.	Mazdoor-Male	1.750	Nos.	478.85	837.99	
3.	Extra for waterproofing compound in CM (7.60X0.18 Kg.)	1.368	Kgs.	46.61	63.76	3.	Mazdoor-Female	1.750	Nos.	478.85	837.99	
4.	Carriage		Lumpsum		120.00							
5.	Scaffolding		Lumpsum		35.00							
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =					9929.03	TOTAL (L) =					3026.93	

Total of (M) + (L) = (I) = ` 12955.95

Add: Allowance for Water charges @1% of (I) = ` 129.56

Add: Allowance for PF @13.61% of (L) = ` 411.96

Add: Allowance for Employee' insurance @4.75% of (L) = ` 143.78

Total of allowances = (II) = ` 685.30

Total = (I) + (II) = (III) = ` 13641.25

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1295.60

Grand Total = (III)+(IV)= ` 14936.85

This is cost for 1.89 Cu.M.

Therefore, Unit cost = 14936.85 ÷ 1.89 = ` 7903.09

Say ` 7903.00 per Cu.M.

Rate Analysis

for 10.00 Sq.M. of Item: **Providing and Laying PCC (1:2:4) Damp proof course 25mm thick including waterproofing compound**

Corresponding Item No. 14a of Section -IV of MbPT SOR 2014

New Item No. 14a of Section -IV

NBO Ref. No.5.7.1 Page:146 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete (1:2:4) 10Sq.M.X0.025=0.25 Cu.M. (Cost of Material of Item No.1a(i) above)	0.250	Cu.M.	4181.31	1045.33		Extra Labour for moulding					
						1.	Mason-I	0.500	Nos.	540.38	270.19	
						2.	Mason-II	0.500	Nos.	525.00	262.50	
						3.	Mazdoor-Male	1.000	Nos.	478.85	478.85	
						4.	Bhisti	0.100	Nos.	478.85	47.89	
2.	Waterproofing compound @1Kg/bag 6.45X0.25=1.61	1.610	Kgs.	46.61	75.04		0.25 cost of Labour of Item 1a(i) above				245.56	
3.	Sundries		Lumpsum		30.00							
TOTAL (M) =					1150.37	TOTAL (L) =					1304.98	

Total of (M) + (L) = (I) = ` 2455.35

Add: Allowance for Water charges @1% of (I) = ` 24.55

Add: Allowance for PF @13.61% of (L) = ` 177.61

Add: Allowance for Employee' insurance @4.75% of (L) = ` 61.99

Total of allowances = (II) = ` 264.15

Total = (I) + (II) = (III) = ` 2719.50

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 245.54

Grand Total = (III)+(IV)= ` 2965.04

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 2965.04 ÷ 10.00 = ` 296.50

Say ` 297.00 per Sq.M.

Rate Analysis

for 10.00 Sq.M. of Item: **Providing and Laying PCC (1:2:4) Damp proof course 40mm thick including waterproofing compound**

Corresponding Item No. 14b of Section -IV of MbPT SOR 2014

New Item No. 14b of Section -IV

NBO Ref. No.5.7.2 Page:147 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete (1:2:4) 10Sq.M.X0.04=0.4 Cu.M. (Cost of Material of Item No.1a(i) above)	0.400	Cu.M.	4181.31	1672.52		Extra Labour for moulding					
						1.	Mason-I	0.500	Nos.	540.38	270.19	
						2.	Mason-II	0.500	Nos.	525.00	262.50	
						3.	Mazdoor-Male	1.000	Nos.	478.85	478.85	
2.	Waterproofing compound @1Kg/bag 6.45X0.4=2.58	2.580	Kgs.	46.61	120.25	4.	Bhisti	0.100	Nos.	478.85	47.89	
							0.40 cost of Labour of Item 1a(i) above				392.90	
3.	Sundries		Lumpsum		30.00							
TOTAL (M) =					1822.78	TOTAL (L) =					1452.32	

Total of (M) + (L) = (I) = ` 3275.10

Add: Allowance for Water charges @1% of (I) = ` 32.75

Add: Allowance for PF @13.61% of (L) = ` 197.66

Add: Allowance for Employee' insurance @4.75% of (L) = ` 68.99

Total of allowances = (II) = ` 299.40

Total = (I) + (II) = (III) = ` 3574.49

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 327.51

Grand Total = (III)+(IV)= ` 3902.00

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 3902.00 ÷ 10.00 = ` 390.20

Say ` 390.00 per Sq.M.

Rate Analysis

for 10.00 Sq.M. of Item: **Providing and Laying PCC (1:2:4) Damp proof course 50mm thick including waterproofing compound**

Corresponding Item No. 14c of Section -IV of MbPT SOR 2014

New Item No. 14c of Section -IV

NBO Ref. No.5.7.3 Page:148 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete (1:2:4) 10Sq.M.X0.05=0.5 Cu.M. (Cost of Material of Item No.1a(i) above)	0.500	Cu.M.	4181.31	2090.65		Extra Labour for moulding					
						1.	Mason-I	0.500	Nos.	540.38	270.19	
						2.	Mason-II	0.500	Nos.	525.00	262.50	
						3.	Mazdoor-Male	1.000	Nos.	478.85	478.85	
2.	Waterproofing compound @1Kg/bag 6.45X0.5=3.23	3.230	Kgs.	46.61	150.55	4.	Bhisti	0.100	Nos.	478.85	47.89	
							0.50 cost of Labour of Item 1a(i) above				491.12	
3.	Sundries		Lumpsum		30.00							
TOTAL (M) =					2271.21	TOTAL (L) =					1550.54	

Total of (M) + (L) = (I) = ` 3821.75

Add: Allowance for Water charges @1% of (I) = ` 38.22

Add: Allowance for PF @13.61% of (L) = ` 211.03

Add: Allowance for Employee' insurance @4.75% of (L) = ` 73.65

Total of allowances = (II) = ` 322.90

Total = (I) + (II) = (III) = ` 4144.65

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 382.17

Grand Total = (III)+(IV)= ` 4526.82

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 4526.82 ÷ 10.00 = ` 452.68

Say ` 453.00 per Sq.M.

Rate Analysis

for 10.00 Sq.M. of Item: **Providing form work with ordinary timber planking so as to give a rough finish**
a) For mass concrete etc.

Corresponding Item No.
 New Item No.
 NBO Ref. No.9.1a Page:253

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Form Work - 'A'

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Planks of 38 mm 0.125 Sq.M. (2nd class Kail wood or equivalent)	0.4051	Cu.M.	17711.07	7174.75	1.	Labour for assembling Carpenter II	1.250	Nos.	525.00	656.25	
2.	Battens	0.0606	Cu.M.	17711.07	1073.29	2.	Mazdoor-Male	1.250	Nos.	478.85	598.56	
3.	Bullies - 80 mm dia.	12.600	Mtrs.	59.32	747.46	3.	Sundries		Lumpsum		80.00	
4.	Carriage		Lumpsum		30.00							
A)	This material can be used 16 times. Therefore for one use = A/16			Total 'A' =	9025.50 564.09							
TOTAL (M) = `					564.09	TOTAL (L) = `					1334.81	

Total of (M) + (L) = (I) = ` 1898.91

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 245.07

Total = (I) + (II) = (III) = ` 2143.98

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 2333.87

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 2333.87 ÷ 10.00 = ` 233.39

Say ` 233.00 per Sq.M.

Rate Analysis

for 9.00 Sq.M. of Item:

Providing form work with ordinary timber planking so as to give a rough finish
b) Flat surface soffit, suspended floors, roofs, landing, cantilever chajjas etc.

Corresponding Item No.

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Form Work - 'B'

New Item No.

of Section -IV

NBO Ref. No.9.1b Page:254

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Planks of 38 mm (2nd class Kail wood or equivalent)	0.3420	Cu.M.	17711.07	6057.18	1.	Labour for assembling Carpenter II	2.070	Nos.	525.00	1086.75	
2.	Battens-75X100 mm	0.0900	Cu.M.	17711.07	1594.00	2.	Mazdoor-Male	1.800	Nos.	478.85	861.93	
3.	Bullies - 125 mm dia.	73.900	Mtrs.	93.22	6889.00	3.	Sundries		Lumpsum		80.00	
4.	Carriage		Lumpsum		30.00							
A)	This material can be used 16 times. Therefore for one use = A/16			Total 'A' =	14570.18 910.64							
TOTAL (M) =					910.64	TOTAL (L) =					2028.68	

Total of (M) + (L) = (I) = ` 2939.32

Total = (I) + (II) = (III) = ` 3311.78

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV) = `

293.93

Add: Allowance for PF @13.61% of (L)

= `

276.10

Grand Total = (III)+(IV)= ` 3605.71

This is cost for 9.00 Sq.M.

Add: Allowance for Employee' insurance @4.75% of (L)

= `

96.36

Therefore, Unit cost = 3605.71 ÷ 9.00 = ` 400.63

Total of allowances = (II) = ` 372.47

Say ` 401.00 per Sq.M.

Rate Analysis

for 30.00 Sq.M. of Item: **Providing form work with ordinary timber planking so as to give a rough finish**
c) Vertical surfaces such as wall partitions, plinth etc.

Corresponding Item No. of Section -IV of MbPT SOR 2014 **Form Work - 'C'**
 New Item No. of Section -IV
 NBO Ref. No.9.1c Page:255-256 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Planks of 38 mm (2nd class Kail wood or equivalent)	1.1970	Cu.M.	17711.07	21200.15		Labour for assembling					
2.	Battens-75X100 mm	0.0980	Cu.M.	17711.07	1735.68	1.	Carpenter II	7.500	Nos.	525.00	3937.50	
3.	Bullies - 105 mm dia.	81.900	Mtrs.	76.27	6246.63	2.	Mazdoor-Male	6.000	Nos.	478.85	2873.10	
4.	Carriage		Lumpsum		30.00	3.	Sundries		Lumpsum		80.00	
A)	This material can be used 16 times. Therefore for one use = A/16			Total 'A' =	29212.46 1825.78							
TOTAL (M) = `					1825.78	TOTAL (L) = `					6890.60	

Total of (M) + (L) = (I) = ` 8716.38

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 1265.11

Total = (I) + (II) = (III) = ` 9981.49

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 10853.13

This is cost for 30.00 Sq.M.

Therefore, Unit cost = 10853.13 ÷ 30.00 = ` 361.77

Say ` 362.00 per Sq.M.

Rate Analysis

for 4.20 Sq.M. of Item: **Providing form work with ordinary timber planking so as to give a rough finish d) columns, pillars, posts, struts, Vertical fins etc.**

Corresponding Item No.
New Item No.
NBO Ref. No.9.1g Page:265

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Form Work - 'D'

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Planks of 38 mm (2nd class Kail wood or equivalent)	0.2180	Cu.M.	17711.07	3861.01		Labour for assembling					
2.	Bullies - 125 mm dia.	15.200	Mtrs.	93.22	1416.95	1.	Carpenter II	1.250	Nos.	525.00	656.25	
3.	Carriage		Lumpsum		30.00	2.	Mazdoor-Male	1.250	Nos.	478.85	598.56	
				Total 'A' =	5307.97	3.	Sundries		Lumpsum		80.00	
A)	This material can be used 16 times. Therefore for one use = A/16				331.75							
TOTAL (M) =					331.75	TOTAL (L) =					1334.81	

Total of (M) + (L) = (I) = ` 1666.56

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 245.07

Total = (I) + (II) = (III) = ` 1911.63

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 2078.29

This is cost for 4.20 Sq.M.

Therefore, Unit cost = 2078.29 ÷ 4.20 = ` 494.83

Say ` 495.00 per Sq.M.

Rate Analysis

for 8.40 Sq.M. of Item: **Providing form work with ordinary timber planking so as to give a rough finish e) sides of soffits of beams, haunches etc.**

Corresponding Item No.
New Item No.
NBO Ref. No.9.1h Page:267

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Form Work - 'E'

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Planks of 38 mm (2nd class Kail wood or equivalent)	0.3870	Cu.M.	17711.07	6854.18		Labour for assembling					
2.	Bullies - 125 mm dia.	21.000	Mtrs.	93.22	1957.63	1.	Carpenter II	1.250	Nos.	525.00	656.25	
3.	Triangular bracing Bullies - 80 mm dia.	12.000	Mtrs.	59.32	711.87	2.	Mazdoor-Male	1.250	Nos.	478.85	598.56	
4.	Carriage		Lumpsum		30.00	3.	Sundries		Lumpsum		80.00	
A)	This material can be used 16 times. Therefore for one use = A/16			Total 'A' =	9553.68 597.11							
TOTAL (M) = `					597.11	TOTAL (L) = `					1334.81	

Total of (M) + (L) = (I) = ` 1931.92

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 245.07

Total = (I) + (II) = (III) = ` 2176.99

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 2370.18

This is cost for 8.40 Sq.M.

Therefore, Unit cost = 2370.18 ÷ 8.40 = ` 282.16

Say ` 282.00 per Sq.M.

Rate Analysis

for 5.79 Sq.M. of Item:

Providing form work with ordinary timber planking so as to give a rough finish
f) area with sloping or stepped soffits including riser & stringer excluding landing etc.

Corresponding Item No.

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Form Work - 'F'

New Item No.

of Section -IV

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Planks of 38 mm (2nd class Kail wood or equivalent)	0.2310	Cu.M.	17711.07	4091.26		Labour for assembling					
2.	Battens-75X100 mm	0.0390	Cu.M.	17711.07	690.73	1.	Carpenter II	1.750	Nos.	525.00	918.75	
3.	Bullies - 125 mm dia.	6.400	Mtrs.	93.22	596.61	2.	Mazdoor-Male	1.000	Nos.	478.85	478.85	
4.	Carriage		Lumpsum		30.00	3.	Sundries		Lumpsum		80.00	
A)	This material can be used 16 times. Therefore for one use = A/16			Total 'A' =	5408.60 338.04							
TOTAL (M) = `					338.04	TOTAL (L) = `					1477.60	

Total of (M) + (L) = (I) = ` 1815.64

Total = (I) + (II) = (III) = ` 2086.92

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV) = `

181.56

Add: Allowance for PF @13.61% of (L)

= `

201.10

Grand Total = (III)+(IV)= ` 2268.49

This is cost for 5.79 Sq.M.

Add: Allowance for Employee' insurance @4.75% of (L)

= `

70.19

Therefore, Unit cost = 2268.49 ÷ 5.79 = ` 391.79

Total of allowances = (II) = ` 271.29

Say ` 392.00 per Sq.M.

Rate Analysis

for 4.00 Sq.M. of Item: **Providing form work with ordinary timber planking so as to give a rough finish g) works for cornices & mouldings etc.**

Corresponding Item No.
New Item No.
NBO Ref. No.9.1j Page:270

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Form Work - 'G'

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Planks of 38 mm (2nd class Kail wood or equivalent)	0.1820	Cu.M.	17711.07	3223.41		Labour for assembling					
2.	Battens-75X100 mm	0.2180	Cu.M.	17711.07	3861.01	1.	Carpenter II	0.630	Nos.	525.00	330.75	
3.	Bullies - 125 mm dia.	25.200	Mtrs.	93.22	2349.16	2.	Mazdoor-Male	0.630	Nos.	478.85	301.68	
4.	Carriage		Lumpsum		30.00	3.	Sundries		Lumpsum		80.00	
A)	This material can be used 16 times. Therefore for one use = A/16			Total 'A' =	9463.59 591.47							
TOTAL (M) = `					591.47	TOTAL (L) = `					712.43	

Total of (M) + (L) = (I) = ` 1303.90

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 130.80

Total = (I) + (II) = (III) = ` 1434.70

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 1565.09

This is cost for 4.00 Sq.M.

Therefore, Unit cost = 1565.09 ÷ 4.00 = ` 391.27

Say ` 391.00 per Sq.M.

Rate Analysisfor 10.00 Sq.M. of Item: **Extra over rate for Items of sheets of Form Work 'A' to 'G'**

Corresponding Item No.

of Section -IV

of MbPT SOR 2014

Form Work - 'H'

New Item No.

of Section -IV

NBO Ref. No.

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Waterproof plywood 19 mm thick (Market Enquiry)	10.100	Sq.M.	750.00	7575.00	1.	<u>Labour for assembling</u>					
2.	Kail wood battens for board preparation	0.1390	Cu.M.	17711.07	2461.84	1.	Carpenter II	0.500	Nos.	525.00	262.50	
3.	<u>Deduct:</u> Cost of planks	-0.342	Cu.M.	17711.07	-6057.18	2.	Mazdoor-Male	0.500	Nos.	478.85	239.43	
A)	This material can be used 16 times. Therefore for one use = A/16			Total 'A' =	3979.65 248.73	3.	Sundries		Lumpsum		80.00	
TOTAL (M) =					248.73	TOTAL (L) =					581.93	

Total of (M) + (L) = (I) = ` 830.65

Total = (I) + (II) = (III) = ` 937.49

Add: Allowance for Water charges @1% of (I) = `Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 83.07Add: Allowance for PF @13.61% of (L) = ` 79.20

Grand Total = (III)+(IV)= ` 1020.56

This is cost for 10.00 Sq.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` 27.64

Therefore, Unit cost = 1020.56 ÷ 10.00 = ` 102.06

Total of allowances = (II) = ` 106.84

Say ` 102.00 per Sq.M.

Rate Analysis

for 1.00 No. of Item: **Taking 100mm dia. concrete core from concrete pavement slab at the location as directed and testing the same including cost of transporting, etc.**

Corresponding Item No. 15 of Section -IV of MbPT SOR 2014
 New Item No. 15 of Section -IV
 NBO Ref. No.4.2a&b Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for taking 100 mm dia core, testing etc. (Market Enquiry)	1.000	No.	3500.00	3500.00							
TOTAL (M) =					3500.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 3500.00

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 3500.00

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 350.00

Grand Total = (III)+(IV)= ` 3850.00

Add: Service Tax @10.3% 396.55

Grand Total = 4246.55

This is for 1 No. = ` 4246.55

Say ` 4247.00 per each core

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:1:2) in plinth & foundation excluding form work, etc. complete.**

Corresponding Item No. 16a of Section -IV of MbPT SOR 2014
 New Item No. 16a of Section -IV
 NBO Ref. No.5.4.3a Page:112 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-20 mm	0.580	Cu.M.	898.31	521.02	1.	Mason-I	0.050	Nos.	540.38	27.02	
2.	Stone aggregate-10 mm	0.200	Cu.M.	898.31	179.66	2.	Mason-II	0.050	Nos.	525.00	26.25	
3.	Coarse Sand	0.390	Cu.M.	2994.92	1168.02	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.39 Cu.M.	0.580	MT	5762.73	3342.38	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		30.00	6.	Bhisti	0.270	Nos.	478.85	129.29	
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =					5411.08	TOTAL (L) =					982.24	

Total of (M) + (L) = (I) = ` 6393.32

Add: Allowance for Water charges @1% of (I) = ` 63.93

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 244.27

Total = (I) + (II) = (III) = ` 6637.59

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 639.33

Grand Total = (III)+(IV)= ` 7276.92

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 7276.92 ÷ 1.0 = ` 7276.92

Say ` 7277.00 per Cu.M.

Rate Analysis

for 6.25 Cu.M. of Item: **Cement Concrete (1:1:2) in plinth & foundation including form work - centring/ shuttering, etc. complete.**

Corresponding Item No. 16b of Section -IV of MbPT SOR 2014
 New Item No. 16b of Section -IV
 NBO Ref. No. Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	6.250	Cu.M.	7277.00	45481.25							
2.	Form work - 10 Sq.M. (Form Work -'A', Section-IV)	10.0	Sq.M.	233.00	2330.00							
TOTAL (M) =					47811.25	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 47811.25 Total = (I) + (II) = (III) = ` 47811.25

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 47811.25

This is cost for 6.25 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` Therefore, Unit cost =

$$\frac{47811.25}{6.25} = ` 7649.80$$

Total of allowances = (II) = ` **Say ` 7650.00 per Cu.M.**

Thus, **cost of form work** per Cu.M. = $\frac{2330.00}{6.25} = ` 372.80$

SAY Rs. 373.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Cement Concrete (1:1:2) in structure wall with attached pillars in foundation etc. excluding form work, etc. complete.**

Corresponding Item No. 17a of Section -IV of MbPT SOR 2014
 New Item No. 17a of Section -IV
 NBO Ref. No.5.4.3b&c Page:113 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Stone aggregate-20 mm	0.580	Cu.M.	898.31	521.02	1.	Mason-I	0.060	Nos.	540.38	32.42	
2.	Stone aggregate-10 mm	0.200	Cu.M.	898.31	179.66	2.	Mason-II	0.060	Nos.	525.00	31.50	
3.	Coarse Sand	0.390	Cu.M.	2994.92	1168.02	3.	Mate	0.040	Nos.	478.85	19.15	
4.	Cement-0.39 Cu.M.	0.580	MT	5762.73	3342.38	4.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
5.	Carriage		Lumpsum		120.00	5.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
6.	Hire & run chrges of mixer		Lumpsum		30.00	6.	Bhisti	0.290	Nos.	478.85	138.87	
7.	Sundries		Lumpsum		80.00							
TOTAL (M) = `					5441.08	TOTAL (L) = `					1002.47	

Total of (M) + (L) = (I) = ` 6443.55

Add: Allowance for Water charges @1% of (I) = ` 64.44

Add: Allowance for PF @13.61% of (L) = ` 136.44

Add: Allowance for Employee' insurance @4.75% of (L) = ` 47.62

Total of allowances = (II) = ` 248.49

Total = (I) + (II) = (III) = ` 6692.04

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 644.36

Grand Total = (III)+(IV)= ` 7336.40

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 7336.40 ÷ 1.0 = ` 7336.40

Say ` 7336.00 per Cu.M.

Rate Analysis

for 1.40 Cu.M. of Item: **Cement Concrete (1:1:2) in structure wall with attached
pillasters in foundation etc.
including form work - centring/ shuttering, etc. complete.**

Corresponding Item No. 17b of Section -IV of MbPT SOR 2014
New Item No. 17b of Section -IV
NBO Ref. No. Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Concrete	1.400	Cu.M.	7336.00	10270.40							
2.	Form work - 14 Sq.M. (Form Work -'C', Section-IV)	14.0	Sq.M.	362.00	5068.00							
TOTAL (M) = `					15338.40	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 15338.40

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Thus, **cost of form work** per Cu.M. = $5068.00 \div 1.40 = ` 3620.00$

SAY Rs. 3620.00 per Cu.M.

Total = (I) + (II) = (III) = ` 15338.40

Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Grand Total = (III)+(IV)= ` 15338.40

This is cost for 1.40 Cu.M.

Therefore, Unit cost = $15338.40 \div 1.40 = ` 10956.00$

Say ` 10956.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for super plasticizer Polytancrete NGT or equivalent**

Corresponding Item No. 17d of Section -IV of MbPT SOR 2014
 New Item No. 17d of Section -IV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polytancrete NGT	2.500	Lit	55.08	137.71							
TOTAL (M) =					137.71	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 137.71 Total = (I) + (II) = (III) = ` 137.71

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 13.77

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 151.48

This is cost for 1.0 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` Therefore, Unit cost = 151.48 ÷ 1.0 = ` 151.48

Total of allowances = (II) = ` **Say ` 151.00 per Cu.M.**

V - Cement Concrete in RCC members

Sr. No.	Item Description	Rate in `	Unit
1	Providing and laying cement concrete M20 (1:1.5:3) including tampering, vibrating, shuttering, finishing, curing etc. including adding suitable admixture for controlled setting time and using rapid hardening cement for attaining early strength etc. complete as directed.	6,312.00	Cu.M.
	(a) Extra over rate for Item Nos.1 above for adding admix super plastcizer Polytancrete NGT or equivalent procured from approved manufacturer @250 ml. per bag of cement as per maker's specifications.	121.00	Cu.M.
2	Providing & laying Reinforced cement concrete (1:1.5:3) or M20 grade in floors, roofs, landings, balconies upto floor two level including cement, cost of centering, shuttering, boxing, ramming, consolidating, watering, curing, etc. complete but excluding reinforcement.		
	(a) Slab thickness 75 mm	994.00	Sq.M.
	(b) Slab thickness 80 mm	1,034.00	Sq.M.
	(c) Slab thickness 90 mm	1,113.00	Sq.M.
	(d) Slab thickness 100 mm	1,192.00	Sq.M.
	(e) Slab thickness 110 mm	1,271.00	Sq.M.
	(f) Slab thickness 120 mm	1,350.00	Sq.M.
	(g) Slab thickness 140 mm	1,508.00	Sq.M.
	(h) Slab thickness 150 mm	1,587.00	Sq.M.
	(i) Slab thickness 160 mm	1,666.00	Sq.M.
	(j) Slab thickness 180 mm	1,825.00	Sq.M.
	(k) Slab thickness 200 mm	1,983.00	Sq.M.
3	Providing and laying micro-concrete of Polycrrete-A or equivalent from approved manufacturer in line and level to match with existing layer, using bonding coat of Sunepoxy-358 (Resin : Hardner mixed in the ratio 1 : 0.5 by weight) or equivalent with existing surface, curing, excluding form work etc. complete as directed (Rate is inclusive of bonding polymer coat).	27.00	Kg.
4.	Providing & laying RCC M20 (1:1.5:3) in chajja, etc. including finishing and plastering on exposed surface with CM (1:3) or sand faced, drip moulding inclusive of centering, shuttering, consolidating,		

V - Cement Concrete in RCC members

Sr. No.	Item Description	Rate in `	Unit
	watering & curing etc. complete but exclusive of reinforcement upto floor two level.		
	(a) 80 mm thick	1,642.00	Sq.M.
	(b) 100 mm thick	1,800.00	Sq.M.
5	Providing and laying Ready mix Concrete (RMC) M30 grade concrete procured from reputed RMC plant and transported by transit mixer and placing at work (concrete to have required workability and desired slump) including shuttering, vibrating, curing etc. for RCC work upto floor two level complete as directed (if required pumping arrangement for any height shall be made at no extra cost).	12,934.00	Cu.M.
6	Providing & laying RCC M20 (1:1.5:3) in 50 mm thick vertical and horizontal fins including finishing smooth as directed, consolidating, watering & curing etc. complete upto floor two level, excluding reinforcement.		
	(a) excluding form work	7,088.00	Cu.M.
	(b) including form work	10,512.00	Cu.M.
	(c) for 80 mm thick fins including form work	841.00	Sq.M.
7	Extra over rate for Item No.1 in plinth and superstructure for using ready mixed concrete (RMC) procured from reputed RMC plant and transported by transit mixer and placing at work (concrete to have required workability and desired slump) in plinth and superstructure (if required, pumping arrangement for any height shall be made at no extra cost).	445.00	Cu.M.
8	Extra over rate for Item Nos.2, 4 & 6 for every subsequent floor above floor two level.	10.10	Sq.M.
9	Extra over rate for Item Nos. 2, 4 and 6 for using ready mixed concrete (RMC) procured from reputed RMC plant and transported by transit mixer and placing at work (concrete to have required workability and desired slump) in slab, Chajja or Fins (if required, pumping arrangement for any height shall be made at no extra cost).	61.00	Sq.M.

V - Cement Concrete in RCC members

Sr. No.	Item Description	Rate in `	Unit
10	Providing and fixing in position pre-cast RCC louvered window of size 0.6X1.0 Mtr. of section 75X75 mm with 16 mm dia. m.s. plain bars including 4 mm thick ground glass louvers 125 mm wide etc. complete as directed.	1,647.00	Each
11	Providing & laying Cement concrete (1:1.5:3) or M20 grade in RCC members including cost of consolidating, watering, curing etc. complete as directed but excluding reinforcement in		
	(a) foundations, footings, pile caps, plinth beams & the like & mass concrete		
	(i) excluding form work	6,583.00	Cu.M.
	(ii) including form work	7,115.00	Cu.M.
	(b) walls including attached pilasters, upto floor two level and buttresses, plinth and foundation		
	(i) excluding form work	6,583.00	Cu.M.
	(ii) including form work	8,403.00	Cu.M.
	(c) lintels & beams upto floor two level		
	(i) excluding form work	7,909.00	Cu.M.
	(ii) including form work	9,322.00	Cu.M.
	(d) columns, pillars, posts and struts upto floor two level		
	(i) excluding form work	8,018.00	Cu.M.
	(ii) including form work	14,618.00	Cu.M.
	(e) staircases upto floor two level including stringer beams but excluding landing		
	(i) excluding form work	9,261.00	Cu.M.
	(ii) including form work	11,215.00	Cu.M.
	(f) moulded copings and the like upto floor two level		
	(i) excluding form work	9,678.00	Cu.M.
	(ii) including form work	10,721.00	Cu.M.
	(g) encasing rolled steel sections in beams & columns upto floor two level		
	(i) excluding form work	9,862.00	Cu.M.
	(ii) including form work	16,462.00	Cu.M.
	(h) Extra over rate for Item Nos.11 (a) to (g) above for adding admix corrosion inhibiting admixer Polyalk CP-293 or equivalent procured from approved manufacturer @500 ml. per bag of cement as per maker's specifications.	783.00	Cu.M.

V - Cement Concrete in RCC members

Sr. No.	Item Description	Rate in `	Unit
	(i) Extra over rate for Item Nos.11 (a) to (g) above for adding admix super plasticizer Polytancrete NGT or equivalent procured from approved manufacturer @250 ml. per bag of cement as per maker's specifications.	121.00	Cu.M.
12	Extra over rate for Item No.11 above for every subsequent floor above floor two level	83.00	per floor per Cu.M.
13	Providing & laying Cement concrete (1:1:2) or M25 including cost of consolidating, watering, curing etc. complete but excluding reinforcement in		
	(a) beams upto floor two level		
	(i) excluding form work	7,121.00	Cu.M.
	(ii) including form work	9,514.00	Cu.M.
	(b) columns upto floor two level		
	(i) excluding form work	7,121.00	Cu.M.
	(ii) including form work	13,721.00	Cu.M.
	(c) Extra over rate for Item Nos.13 (a) & (b) above for adding admix corrosion inhibiting admixer Polyalk CP-293 or equivalent procured from approved manufacturer @500 ml. per bag of cement as per maker's specifications.	979.00	Cu.M.
	(d) Extra over rate for Item Nos.13 (a) & (b) above for adding admix super plasticizer Polytancrete NGT or equivalent procured from approved manufacturer @250 ml. per bag of cement as per maker's specifications.	151.00	Cu.M.
14	Extra over rate for Item No.13 above for every subsequent floor above floor two level	71.00	per floor per Cu.M.
15	Providing & fixing m.s. reinforcement steel (conforming to IS) upto floor two level for RCC members including cutting, bending, placing in position, binding complete as directed (binding wire will not be payable).	6,062.00	qntl.
16	Providing & fixing high yield strength (conforming to IS) deformed steel bars reinforcement upto floor two level for RCC members including cutting, bending, placing in position, binding complete as directed (binding wire will not be payable).	6,355.00	qntl.

V - Cement Concrete in RCC members

Sr. No.	Item Description	Rate in `	Unit
17	Providing & fixing hard drawn steel wire (conforming to IS) fabric upto floor two level for RCC members including cutting, placing in position, binding complete (binding wire will not be payable).	6,301.00	qntl.
18	Extra over rate for Item Nos.15, 16 & 17 for every subsequent floor above floor two level	62.00	per floor per qntl.
19	Providing & fixing pre-cast cement concrete (1:2:4) jalli of approved design with nominal reinforcement including finishing and fixing complete.		
	(a) 50 mm thick jalli	801.00	Sq.M.
	(b) 40 mm thick jalli	688.00	Sq.M.
	(c) 25 mm thick jalli	645.00	Sq.M.
20	Providing & fixing in position RCC door frame of section 100X63 mm for opening size of 0.75X2.0 Mtrs. to w.c. or bath room including fixing the hold-fasts etc. complete as directed.	1,850.00	Each
21	Providing and fixing Thermal Mechanically Treated (TMT) deformed bars reinforcement upto floor two level for RCC members including cutting, bending, placing in position & binding complete including all wastage etc. complete (binding wire will not be payable).	6,338.00	qntl.
22	Extra over rate for Item No.21 above for		
	(a) every subsequent floor above floor two level	63.00	per floor per qntl.
	(b) providing and applying epoxy treatment to reinforcement bars after necessary cutting etc. in factory complete including all transportation charges etc. complete.	1,393.00	qntl.
23	Extra over rate for Item No.11 and 13 in plinth and superstructure for using ready mixed concrete (RMC) procured from reputed RMC plant and transported by transit mixer and placing at work (concrete to have required workability and desired slump) in plinth and superstructure (if required, pumping arrangement for any height shall be made at no extra cost).	467.00	Cu.M.

V - Cement Concrete in RCC members

Sr. No.	Item Description	Rate in `	Unit
24	Providing & laying Cement concrete M30 including cost of consolidating, watering, curing etc. complete but excluding reinforcement in		
	(a) beams upto floor two level		
	(i) excluding form work	8,130.00	Cu.M.
	(ii) including form work	10,523.00	Cu.M.
	(b) columns upto floor two level		
	(i) excluding form work	8,130.00	Cu.M.
	(ii) including form work	15,206.00	Cu.M.
25	Extra over rate for Item No.24 above for every subsequent floor above floor two level.	81.00	per floor per Cu.M.
26	Providing & laying Cement concrete M40 including cost of consolidating, watering, curing etc. complete but excluding reinforcement in		
	(a) beams upto floor two level		
	(i) excluding form work	8,575.00	Cu.M.
	(ii) including form work	10,968.00	Cu.M.
	(b) columns upto floor two level		
	(i) excluding form work	8,575.00	Cu.M.
	(ii) including form work	15,651.00	Cu.M.
27	Extra over rate for Item No.26 above for every subsequent floor above floor two level.	86.00	Cu.M.
28	Extra over rate for Item Nos.24 to 26 above for adding admix corrosion inhibiting admixer Polyalk CP-293 or equivalent procured from approved manufacturer @500 ml. per bag of cement as per maker's specifications.	881.00	Cu.M.
29	Providing and applying acrylic based polymeric bonding coat evenly between concrete to concrete joints/ construction joints using Polyalk EP or equivalent by mixing with cement in the ratio 1 : 0.5 by weight to the entire concrete joint.	132.00	Sq.M.

Rate Analysis for 1.0 Cu.M. of Item:
Providing and laying cement concrete (1:1.5:3) including tampering, vibrating, shuttering, finishing, curing etc. including adding suitable admixture, rapid hardening cement etc. complete as directed

Corresponding Item No. 1 of Section -V of MbPT SOR 2014
 New Item No. 1 of Section -V
 NBO Ref. No.5.4.2a Page:112 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement - 8 bags	0.400	MT	5762.73	2305.09	1.	Mason-I	0.050	No.	540.38	27.02	
2.	Coarse aggregate	0.850	Cu.M.	898.31	763.56	2.	Mason-II	0.050	No.	525.00	26.25	
3.	Coarse Sand	0.425	Cu.M.	2994.92	1272.84	3.	Bhisti	0.270	No.	478.85	129.29	
4.	Admixtures etc.		Lumpsum		120.00	4.	Mate	0.040	No.	478.85	19.15	
5.	Carriage		Lumpsum		50.00	5.	Mazdoor-Male	0.950	No.	478.85	454.91	
6.	Hire & run chrges of mixer, vibrator		Lumpsum		30.00	6.	Mazdoor-Female	0.680	No.	478.85	325.62	
TOTAL (M) = `					4541.50	TOTAL (L) = `					982.24	

Total of (M) + (L) =	(I)	= `	5523.73	Total = (I) + (II) =	(III)	= `	5759.31
Add: Allowance for Water charges @1% of (I)		= `	55.24	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	552.37
Add: Allowance for PF @13.61% of (L)		= `	133.68	Grand Total =	(III)+(IV)=	`	6311.68
				This is cost for	1.0	Cu.M.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	46.66	Therefore, Unit cost	=		
				6311.68	÷	1.0	= ` 6311.68
Total of allowances =	(II)	= `	235.58				
			Say `	6312.00	per	Cu.M.	

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for super plasticizer Polytancrete NGT or equivalent**

Corresponding Item No. 1a of Section -V of MbPT SOR 2014
 New Item No. 1a of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polytancrete NGT	2.000	Lit	55.08	110.17							
TOTAL (M) = `					110.17	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 110.17

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 110.17

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 11.02

Grand Total = (III)+(IV)= ` 121.19

This is cost for 1.0 Cu.M.

Therefore, Unit cost =

$$\frac{121.19}{1.0} = ` 121.19$$

Say ` 121.00 per Cu.M.

Rate Analysis for 1.0 Sq.M. of Item:
R.C.C. (1:1.5:3) in floors, roofs, landings etc. upto floor two level including centering & form work -
For various thickness

Corresponding Item No. 2 of Section -V of MbPT SOR 2014
 New Item No. 2 of Section -V
 NBO Ref. No. . Page: Vol:

Item No.:2 Rate for Cement Concrete (1:1.5:3) = 7909.00 per Cu.M.
 (Rate Analysis for Item No.11ci of Section-V)
 Rate for Form Work = 401.00 per Sq.M.
 (Rate Analysis for Form Work - 'B' of Section-IV)

Item No.:2(a) For slab thickness of 75 mm
 (0.075X 7909) + 401 = 994.18 per Sq.M.
Say ` 994.00 per Sq.M.

Item No.:2(b) For slab thickness of 80 mm
 (0.08 X 7909) + 401 = 1033.72 per Sq.M.
Say ` 1034.00 per Sq.M.

Item No.:2(c) For slab thickness of 90 mm
 (0.09 X 7909) + 401 = 1112.81 per Sq.M.
Say ` 1113.00 per Sq.M.

Item No.:2(d) For slab thickness of 100 mm
 (0.10 X 7909) + 401 = 1191.90 per Sq.M.
Say ` 1192.00 per Sq.M.

Item No.:2(e) For slab thickness of 110 mm
 (0.11 X 7909) + 401 = 1270.99 per Sq.M.
Say ` 1271.00 per Sq.M.

Item No.:2(f) For slab thickness of 120 mm
 (0.12 X 7909) + 401 = 1350.08 per Sq.M.
Say ` 1350.00 per Sq.M.

<u>Item No.:2(g)</u>	<u>For slab thickness of 140 mm</u> (0.14 X 7909) + 401	= Say `	1508.26 1508.00	per Sq.M. per Sq.M.
<u>Item No.:2(h)</u>	<u>For slab thickness of 150 mm</u> (0.15 X 7909) + 401	= Say `	1587.35 1587.00	per Sq.M. per Sq.M.
<u>Item No.:2(i)</u>	<u>For slab thickness of 160 mm</u> (0.16 X 7909) + 401	= Say `	1666.44 1666.00	per Sq.M. per Sq.M.
<u>Item No.:2(j)</u>	<u>For slab thickness of 180 mm</u> (0.18 X 7909) + 401	= Say `	1824.62 1825.00	per Sq.M. per Sq.M.
<u>Item No.:2(k)</u>	<u>For slab thickness of 200 mm</u> (0.20 X 7909) + 401	= Say `	1982.80 1983.00	per Sq.M. per Sq.M.

Rate Analysis for 2200.0 Kgs. of Item:
Providing and laying micro-concrete in line and level to match with existing layer, epoxy bonding coat, curing etc. inclusive of bonding polymer coat etc.

Corresponding Item No. 3 of Section -V of MbPT SOR 2014
 New Item No. 3 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polycrrete-A	2200.0	Kgs.	21.19	46610.30	1.	Mason-I	4.000	Nos.	540.38	2161.52	
2.	Epoxy bonding coat Sunepoxy 358/ Polyalk EP or equivalent	5.000	Kgs.	398.31	1991.53	2.	Mazdoor-Male	4.000	Nos.	478.85	1915.40	
TOTAL (M) = `					48601.83	TOTAL (L) = `					4076.92	

Total of (M) + (L) =	(I)	= `	52678.75	Total = (I) + (II) =	(III)	= `	53427.27
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	5267.88
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	554.87	Grand Total		=	(III)+(IV)= ` 58695.15
				This is cost for	2200.0	Kgs.	
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	193.65	Therefore, Unit cost	=		
				58695.15	÷	2200	= ` 26.68
Total of allowances =	(II)	= `	748.52				
			Say ` 27.00	per Kg.			

Rate Analysis for 1.0 Sq.M. of Item:
R.C.C. (1:1.5:3) in chajjas etc. including centering/ shuttering but excluding reinforcement and plastering to exposed surfaces - for various thickness

Corresponding Item No. 4 of Section -V of MbPT SOR 2014
 New Item No. 4 of Section -V
 NBO Ref. No. . Page: Vol:

Item No.:4

Rate for Cement Concrete (1:1.5:3) = 7909.00 per Cu.M.
 (Rate Analysis for Item No.11ci of Section-V)
 Rate for Form Work = 401.00 per Sq.M.
 (Rate Analysis for Form Work - 'B' of Section-IV)
 Rate for plastering in C.M. (1:3) = 304.00 per Sq.M.
 (Rate Analysis for Item No.1a of Section-IX)

Item No.:4(a)

For slab thickness of 80 mm
 (0.08 X 7909) + 401 + (2 X 320) = 1641.72 per Sq.M.
Say , 1642.00 per Sq.M.

Item No.:4(b)

For slab thickness of 100 mm
 (0.10 X 7909) + 401 + (2 X 320) = 1799.90 per Sq.M.
Say , 1800.00 per Sq.M.

Rate Analysis for 0.315 Cu.M. of Item:
Providing and laying Ready Mix Concrete (RMC) M30 grade including shuttering, vibrating, curing etc. complete for R.C.C. work upto floor two level

Corresponding Item No. 5 of Section -V of MbPT SOR 2014
 New Item No. 5 of Section -V
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - M-30 Grade (RMC)+5% wastage	0.331	Cu.M.	4851.71	1604.70		Labour component included in RMC cost & Form Work cost as well					
2.	Form work required - 4X0.3X3.50=4.20 Sq.M. (Form Work - 'D' of Section-IV)	4.200	Sq.M.	495.00	2079.00							
3.	Hire & run chrges of vibrator		Lumpsum		20.00							
TOTAL (M) = `					3703.70	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 3703.70

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say ` 12934.00 per Cu.M.

Total = (I) + (II) = (III) = ` 3703.70

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 370.37

Grand Total = (III)+(IV)= ` 4074.07

This is cost for 0.315 Cu.M.

Therefore, Unit cost = 4074.07 ÷ 0.315 = ` 12933.56

Rate Analysis for 0.660 Cu.M. of Item:
R.C.C. (1:1.5:3) (excluding reinforcement & form work) in horizontal and vertical fins upto floor two level

Corresponding Item No. 6a of Section -V of MbPT SOR 2014
 New Item No. 6a of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 3b(i) of Section-IV) (Material+Labour+Water charges+Allowances)	0.660	Cu.M.	6376.00	4208.16	1.	Mason I	0.0264	Nos.	540.38	14.27	
						2.	Mason II	0.0264	Nos.	525.00	13.86	
						3.	Mazdoor - Male	0.0660	Nos.	478.85	31.60	
						4.	Bhisti	0.1320	Nos.	478.85	63.21	
						5.	Mate	0.0264	Nos.	478.85	12.64	
							Extra labour for lifting:					
						6.	Mazdoor - Male	0.1200	Nos.	478.85	57.46	
							Extra space in fins:					
						7.	Mason I	0.0500	Nos.	540.38	27.02	
						8.	Mason II	0.0500	Nos.	525.00	26.25	
						9.	Mazdoor - Male	0.1000	Nos.	478.85	47.89	
						10.	Bhisti	0.1500	Nos.	478.85	71.83	
TOTAL (M) = `					4208.16	TOTAL (L) = `					366.02	

Total of (M) + (L) = (I) = ` 4574.18

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= ` 67.20

Say ` 7088.00 per Cu.M.

Total = (I) + (II) = (III) = ` 4641.39

Add: Contractor's over-heads & profit @10% of (L)

Grand Total = (III)+(IV) = ` 4677.99

This is cost for 0.660 Cu.M.

Therefore, Unit cost = 4677.99 ÷ 0.660 = ` 7087.86

Rate Analysis for 0.960 Cu.M. of Item:
R.C.C. (1:1.5:3) in 50mm thick horizontal fins including centering/ shuttering upto floor two level

Corresponding Item No. 6b of Section -V of MbPT SOR 2014
 New Item No. 6b of Section -V
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Item No.6a above & Form Work 'D' of Section-IV

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete (1:1.5:3) 4X(4X0.75X0.08)=0.96 Cu.M. (Item 6a of Section-V above)	0.960	Cu.M.	7088.00	6804.48							
2.	Form Work required 6.64 Sq.M. (Form Work - 'D' of Section-IV)	6.640	Sq.M.	495.00	3286.80							
TOTAL (M) = `					10091.28	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 10091.28

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Therefore, Cost per Sq.M. for 80 mm thickness=

10511.75 X 0.08 = 840.94

Say ` 841.00 per Sq.M.

Total = (I) + (II) = (III) = ` 10091.28

Add: Contractor's over-heads & profit @10% of (I) (IV) = `

Grand Total = (III)+(IV)= ` 10091.28

This is cost for 0.960 Cu.M.

Therefore, Unit cost (per Cu.M.) =
 10091.28 ÷ 0.960 = ` 10511.75

Say ` 10512.00 per Cu.M.

per Sq.M.

Rate Analysis for 1.000 Cu.M. of Item:
Extra over rate for all grades of concrete in all concrete works for using Ready Mixed Concrete (RMC)
(If required, pumping arrangement for any hight shall be made at no extra cost)

Corresponding Item No. 7 of Section -V of MbPT SOR 2014
 New Item No. 7 of Section -V
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	RMC M-20 Grade Wastage 5%	1.050	Cu.M.	4422.05	4643.15	1.	Extra labour for RMC handling - Mazdoor-Male	1.000	Nos.	478.85	478.85	
2.	Centering required - 10 Sq.M./6.25 Cu.M. = 1.6 Sq.M. (Form Work - 'C' of Section-IV)	1.600	Sq.M.	290.55	464.87	2.	Mason-I	0.050	Nos.	540.38	27.02	
						3.	Mason-II	0.050	Nos.	525.00	26.25	
						4.	Mate	0.040	Nos.	478.85	19.15	
						5.	Mazdoor-Male	0.950	Nos.	478.85	454.91	
						6.	Mazdoor-Female	0.680	Nos.	478.85	325.62	
						7.	Bhisti	0.270	Nos.	478.85	129.29	
TOTAL (M) = `					5108.02	TOTAL (L) = `					1461.09	

Total of (M) + (L) =	(I)	= `	6569.11	Total = (I) + (II) =	(III)	= `	6903.06
Add: Allowance for Water charges @1% of (I)		= `	65.69	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	656.91
Add: Allowance for PF @13.61% of (L)		= `	198.85	Grand Total	=	(III)+(IV)= `	7559.97
				This is cost for	1.000	Cu.M.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.40	Therefore, Unit cost	=		
				7559.97	÷	1.000	= ` 7559.97
Total of allowances =	(II)	= `	333.95				
Deduct: Basic rate of Concrete from this amount= (Item 11(a)ii of Section-V)			7559.97 - 7115.00	=		444.97	
				Say `	445.00	per	Cu.M.

Rate Analysis for 1.0 Sq.M. of Item:
Extra over rates for R.C.C. (1:1.5:3) concrete for every subsequent floor above floor two level -
For various thickness

Corresponding Item No. 8 of Section -V of MbPT SOR 2014
 New Item No. 8 of Section -V
 NBO Ref. No. . Page: Vol:

Item No.:8

Rate for Cement Concrete (1:1.5:3)= 7909.00 per Cu.M.
 (Rate Analysis for Item No.11ci of Section-V)
Add: 1% extra for each floor = 79.09
 Total = 7988.09
 Say ` 7988.00
 Rate for Form Work = 401.00 per Sq.M.
 (Rate Analysis for Form Work - 'B' of Section-IV)

Item No.:8(a)

For slab thickness of 75 mm
 (0.075X 7988) + 401 = 1000.10 per Sq.M.
Deduct: Basic rate from this amount = 1000.10 - 994.18 = 5.93
 (Item 2(a) of Section-V)
Say ` 5.90 per Sq.M.

Item No.:8(b)

For slab thickness of 80 mm
 (0.08 X 7988) + 401 = 1040.04 per Sq.M.
Deduct: Basic rate from this amount = 1040.04 - 1033.72 = 6.32
 (Item 2(b) of Section-V)
Say ` 6.30 per Sq.M.

Item No.:8(c)

For slab thickness of 90 mm
 (0.09 X 7988) + 401 = 1119.92 per Sq.M.
Deduct: Basic rate from this amount = 1119.92 - 1112.81 = 7.11
 (Item 2(c) of Section-V)
Say ` 7.10 per Sq.M.

<u>Item No.:8(d)</u>	For slab thickness of 100 mm (0.10 X 7988) + 401 <u>Deduct:</u> Basic rate from this amount (Item 2(d) of Section-V)	= = Say `	1199.80 1199.80 7.90	per - per	Sq.M. 1191.90 Sq.M.	= = 7.90
<u>Item No.:8(e)</u>	For slab thickness of 110 mm (0.11 X 7988) + 401 <u>Deduct:</u> Basic rate from this amount (Item 2(e) of Section-V)	= = Say `	1279.68 1279.68 8.70	per - per	Sq.M. 1270.99 Sq.M.	= = 8.69
<u>Item No.:8(f)</u>	For slab thickness of 120 mm (0.12 X 7988) + 401 <u>Deduct:</u> Basic rate from this amount (Item 2(f) of Section-V)	= = Say `	1359.56 1359.56 9.50	per - per	Sq.M. 1350.08 Sq.M.	= = 9.48
<u>Item No.:8(g)</u>	For slab thickness of 140 mm (0.14 X 7988) + 401 <u>Deduct:</u> Basic rate from this amount (Item 2(g) of Section-V)	= = Say `	1519.32 1519.32 11.10	per - per	Sq.M. 1508.26 Sq.M.	= = 11.06
<u>Item No.:8(h)</u>	For slab thickness of 150 mm (0.15 X 7988) + 401 <u>Deduct:</u> Basic rate from this amount (Item 2(h) of Section-V)	= = Say `	1599.20 1599.20 11.90	per - per	Sq.M. 1587.35 Sq.M.	= = 11.85
<u>Item No.:8(i)</u>	For slab thickness of 160 mm (0.16 X 7988) + 401 <u>Deduct:</u> Basic rate from this amount (Item 2(i) of Section-V)	= = Say `	1679.08 1679.08 12.60	per - per	Sq.M. 1666.44 Sq.M.	= = 12.64

Item No.:8(j)For slab thickness of 180 mm

(0.18 X 7988) + 401

=

1838.84

per

Sq.M.

Deduct:Basic rate from this amount

=

1838.84

-

1824.62

=

14.22

(Item 2(j) of Section-V)

Say `**14.20****per****Sq.M.****Item No.:8(k)**For slab thickness of 200 mm

(0.20 X 7988) + 401

=

1998.60

per

Sq.M.

Deduct:Basic rate from this amount

=

1998.60

-

1982.80

=

15.80

(Item 2(k) of Section-V)

Say `**15.80****per****Sq.M.**

Average rate = 10.09

Say ` 10.10 per Sq.M.

Rate Analysis for 1.0 Sq.M. of Item:
Extra over rates for Items in section IV & V for all grades of concrete in R.C.C. in plinth and supestructure for using ready mixed concrete (RMC) of any thickness of slab/ chajjas, vertical and horizontal fins etc.

Corresponding Item No. 9 of Section -V of MbPT SOR 2014
 New Item No. 9 of Section -V
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Extra over rates for concrete (Item 7 of Section-V)	1.000	Cu.M.	445.00	445.00							
TOTAL (M) = `					445.00	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 445.00 Total = (I) + (II) = = (III)= ` 445.00

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 445.00 Grand Total = (III)+(IV)= ` 445.00

This is cost for 1.0 Cu.M.

Average thickness of slab (75 mm to 200 mm) = 137.5 mm i.e.0.1375 Mtr.

Therefore, Cost per Sq.M. for 137.5 mm thickness 445.00 X 0.1375 61.19 per Sq.M.

Say ` 61.00 per Sq.M.

Rate Analysis for 3.0 Nos. of Item:
Providing and fixing in position pre-cast RCC louvered window of size 0.6 X 1Mtr. of section 75 X 75 mm with 16 mm dia. m.s.bars including 4 mm thick ground glass louvers 125 mm wide etc.

Corresponding Item No. 10 of Section -V of MbPT SOR 2014
 New Item No. 10 of Section -V
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	RCC pre-cast louvered window with 16 mm dia. bars including transport	3.0	Nos.	627.12	1881.36	1.	Carpenter-I	1.000	Nos.	540.38	540.38	
2.	4mm thick ground glass louvers 0.125 x 0.60 Mtrs. (3 windows X 8 Nos.)	1.800	Sq.M.	434.747	782.54	2.	Mazdoor-Male	2.000	Nos.	478.85	957.70	
3.	Scaffolding		Lumpsum		80.00							
TOTAL (M) = `					2743.91	TOTAL (L) = `					1498.08	

Total of (M) + (L) =	(I)	= `	4241.99	Total = (I) + (II) =	(III)	= `	4517.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	424.20
Add: Allowance for PF @13.61% of (L)		= `	203.89	Grand Total	=	(III)+(IV)= `	4941.23
				This is cost for	3.0	Nos.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	71.16	Therefore, Unit cost	=		
				4941.23	÷	3	= ` 1647.08
Total of allowances =	(II)	= `	275.05				
			Say `	1647.00	per	No.(Each)	

Rate Analysis for 1.000 Cu.M. of Item:
RCC (1:1.5:3) in foundation and footing etc. excluding centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11a(i) of Section -V of MbPT SOR 2014
 New Item No. 11a(i) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 3a(i) of Section-IV) (Material cost)	1.000	Cu.M.	4546.50	4546.50		Extra labour for laying:					
						1.	Mason I	0.0390	Nos.	540.38	21.07	
						2.	Mason II	0.0375	Nos.	525.00	19.69	
						3.	Mazdoor - Male	0.0900	Nos.	478.85	43.10	
						4.	Bhisti	0.1740	Nos.	478.85	83.32	
						5.	Mate	0.0800	Nos.	478.85	38.31	
							Labour cost of Item 3a(i) of Section-IV				982.24	
TOTAL (M) = `					4546.50	TOTAL (L) = `					1187.72	

Total of (M) + (L) =	(I)	= `	5734.22	Total = (I) + (II) =	(III)	= `	6009.63
<u>Add</u> : Allowance for Water charges @1% of (I)		= `	57.34	<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	573.42
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	161.65	Grand Total	=	(III)+(IV)= `	6583.05
				This is cost for	1.000	Cu.M.	
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	56.42	Therefore, Unit cost	=		
				6583.05	÷	1.000	= ` 6583.05
Total of allowances =	(II)	= `	275.41				
			Say `	6583.00	per	Cu.M.	

Rate Analysis for 6.250 Cu.M. of Item:
RCC (1:1.5:3) in foundation and footing etc. including centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11a(ii) of Section -V of MbPT SOR 2014
 New Item No. 11a(ii) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) Size:2.5X2.5X1.0 Mtrs. (Item 11a(i) of Section-V above)	6.250	Cu.M.	6583.00	41143.75							
2.	Form work required - 4X2.5X1.0=10.00 Sq.M. (Form Work - 'C' of Section-IV)	10.000	Sq.M.	332.716	3327.16							
TOTAL (M) = `					44470.91	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 44470.91 Total = (I) + (II) = = (III)= ` 44470.91

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 44470.91 Grand Total = (III)+(IV)= ` 44470.91

This is cost for 6.250 Cu.M.

Therefore, Unit cost =
 44470.91 ÷ 6.250 = ` 7115.35

Say ` 7115.00 per Cu.M.

Rate Analysis for 9.180 Cu.M. of Item:
RCC (1:1.5:3) in walls including attached pilasters etc. excluding centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11b(i) of Section -V of MbPT SOR 2014
 New Item No. 11b(i) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 3a(i) of Section-IV) (Material cost)	9.180	Cu.M.	4546.50	41736.83	1.	Extra labour for laying: Same as per 11a(i)	9.1800	Cu.M.	1187.72	10903.31	
TOTAL (M) = `					41736.83	TOTAL (L) = `					10903.31	

Total of (M) + (L) =	(I)	= `	52640.14	Total = (I) + (II) =	(III)	= `	55168.39
<u>Add</u> : Allowance for Water charges @1% of (I)		= `	526.40	<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	5264.01
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	1483.94	Grand Total	=	(III)+(IV)= `	60432.40
				This is cost for	9.180	Cu.M.	
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	517.91	Therefore, Unit cost	=		
				60432.40	÷	9.180	= ` 6583.05
Total of allowances =	(II)	= `	2528.25				
			Say `	6583.00	per	Cu.M.	

Rate Analysis for 1.400 Cu.M. of Item:
RCC (1:1.5:3) in walls including attached pilasters etc. including centering/ shuttering
but excluding reinforcement, etc.

Corresponding Item No. 11b(ii) of Section -V of MbPT SOR 2014
 New Item No. 11b(ii) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 11b(i) of Section-V above)	1.400	Cu.M.	6583.00	9216.20							
2.	Form work required (Form Work - 'C' of Section-IV)	7.040	Sq.M.	362.000	2548.48							
TOTAL (M) = `					11764.68	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 11764.68 Total = (I) + (II) = = (III)= ` 11764.68

Add: for Water charges charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 11764.68 Grand Total = (III)+(IV)= ` 11764.68

This is cost for 1.400 Cu.M.

Therefore, Unit cost =
 11764.68 ÷ 1.400 = ` 8403.34

Say ` 8403.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
RCC (1:1.5:3) in lintels & beams upto floor two level etc. excluding centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11c(i) of Section -V of MbPT SOR 2014
 New Item No. 11c(i) of Section -V
 NBO Ref. No.5.4.2(b) Page:112 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 3a(i) of Section-IV) (Material cost)	1.000	Cu.M.	4546.50	4546.50	1.	Extra labour for laying: Same as per 11a(i)	1.0000	Cu.M.	1187.72	1187.72	
						2.	Mazdoor-Female extra for lifting Labour cost of Item 3a(i) of Section-IV	0.0900	No.	478.85	43.10	
											982.24	
TOTAL (M) = `					4546.50	TOTAL (L) = `					2213.06	

Total of (M) + (L) =	(I)	= `	6759.55	Total = (I) + (II) =	(III)	= `	7233.47
Add: Allowance for Water charges @1% of (I)		= `	67.60	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	675.96
Add: Allowance for PF @13.61% of (L)		= `	301.20	Grand Total	=	(III)+(IV)= `	7909.42
				This is cost for	1.000	Cu.M.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	105.12	Therefore, Unit cost	=		
				7909.42	÷	1.000	= ` 7909.42
Total of allowances =	(II)	= `	473.91				
			Say `	7909.00	per	Cu.M.	

Rate Analysis for 0.990 Cu.M. of Item:
RCC (1:1.5:3) in lintels & beams upto floor two level etc. including centering/ shuttering
but excluding reinforcement, etc.

Corresponding Item No. 11c(ii) of Section -V of MbPT SOR 2014
 New Item No. 11c(ii) of Section -V
 NBO Ref. No.9.1.4(i) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 11c(i) of Section-V above)	0.990	Cu.M.	7909.00	7829.91							
2.	Form work required (Form Work - 'E' of Section-IV)	4.960	Sq.M.	282.000	1398.72							
TOTAL (M) = `					9228.63	TOTAL (L) = `						

Total of (M) + (L) =	(I) = `	9228.63	Total = (I) + (II) =	=	(III)= `	9228.63
Add: for Water charges @1% of (I)	(II) = `	Nil	Add: Contractor's over-heads & profit @10% of (I)	=	(IV)= `	Nil
Total = (I) + (II) =	(III) = `	9228.63	Grand Total	=	(III)+(IV)= `	9228.63
This is cost for 0.990 Cu.M.						
Therefore, Unit cost						
	9228.63	÷	0.990	=	`	9321.85
Say ` 9322.00 per Cu.M.						

Rate Analysis for 1.000 Cu.M. of Item:
RCC (1:1.5:3) in columns, pillars, posts and struts upto floor two level etc. excluding centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11d(i) of Section -V of MbPT SOR 2014
 New Item No. 11d(i) of Section -V
 NBO Ref. No.5.4.2(b) Page:112 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 3b(i) of Section-IV) (Material cost)	1.000	Cu.M.	4581.50	4581.50		Extra labour for laying:					
						1.	Same as per 11a(i)	1.0000	Cu.M.	1187.72	1187.72	
						2.	Mazdoor-Female extra for lifting Labour cost of Item 3b(i) of Section-IV	0.1700	No.	478.85	81.40	
											997.68	
TOTAL (M) = `					4581.50	TOTAL (L) = `					2266.81	

Total of (M) + (L) =	(I)	= `	6848.30	Total = (I) + (II) =	(III)	= `	7332.97
<u>Add</u> : Allowance for Water charges @1% of (I)		= `	68.48	<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	684.83
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	308.51	Grand Total	=	(III)+(IV)= `	8017.80
				This is cost for	1.000	Cu.M.	
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	107.67	Therefore, Unit cost	=		
				8017.80	÷	1.000	= ` 8017.80
Total of allowances =	(II)	= `	484.67				
			Say `	8018.00	per	Cu.M.	

Rate Analysis for 0.315 Cu.M. of Item:
RCC (1:1.5:3) in columns, pillars, posts and struts upto floor two level etc. including centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11d(ii) of Section -V of MbPT SOR 2014
 New Item No. 11d(ii) of Section -V
 NBO Ref. No.9.1(g) Page:265 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 11d(i) of Section-V above)	0.315	Cu.M.	8018.00	2525.67							
2.	Form work required (Form Work - 'D' of Section-IV)	4.200	Sq.M.	495.000	2079.00							
TOTAL (M) = `					4604.67	TOTAL (L) = `						

Total of (M) + (L) =	(I) = `	4604.67	Total = (I) + (II) =	=	(III)= `	4604.67
Add: for Water charges @1% of (I)	(II) = `	Nil	Add: Contractor's over-heads & profit @10% of (I)	=	(IV)= `	Nil
Total = (I) + (II) =	(III) = `	4604.67	Grand Total	=	(III)+(IV)= `	4604.67
This is cost for 0.315 Cu.M.						
Therefore, Unit cost						
	4604.67	÷	0.315	=	`	14618.00
Say ` 14618.00 per Cu.M.						

Rate Analysis for 0.790 Cu.M. of Item:
RCC (1:1.5:3) in staircases upto floor two level including stringer beams excluding landing etc.
excluding centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11e(i) of Section -V of MbPT SOR 2014
 New Item No. 11e(i) of Section -V
 NBO Ref. No.5.4.2(b) Page:112 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 3b(i) of Section-IV) (Material cost)	0.790	Cu.M.	4581.50	3619.38	1.	Extra labour for laying: Same as per 11a(i)	0.7900	Cu.M.	1187.72	938.30	
						2.	Mazdoor-Female extra for lifting	0.1700	No.	478.85	81.40	
						3.	Mason I	0.5000	No.	540.38	270.19	
						4.	Mason II	0.5000	No.	525.00	262.50	
							Labour cost of Item 3b(i) of Section-IV				997.68	
TOTAL (M) = `					3619.38	TOTAL (L) = `					2550.08	

Total of (M) + (L) =	(I)	= `	6169.46	Total = (I) + (II) =	(III)	= `	6699.35
Add: Allowance for Water charges @1% of (I)		= `	61.69	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	616.95
Add: Allowance for PF @13.61% of (L)		= `	347.07	Grand Total	=	(III)+(IV)= `	7316.29
				This is cost for	0.790	Cu.M.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	121.13	Therefore, Unit cost	=		
				7316.29 ÷	0.790	= `	9261.13
Total of allowances =	(II)	= `	529.89				
			Say `	9261.00	per	Cu.M.	

Rate Analysis for 0.680 Cu.M. of Item:
RCC (1:1.5:3) in staircases upto floor two level including stringer beams excluding landing etc.
including centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11e(ii) of Section -V of MbPT SOR 2014
 New Item No. 11e(ii) of Section -V
 NBO Ref. No.9.1(m) Page:273 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 11e(i) of Section-V above)	0.680	Cu.M.	9261.00	6297.48							
2.	Form work required (Form Work - 'F' of Section-IV)	3.390	Sq.M.	392.000	1328.88							
TOTAL (M) = `					7626.36	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 7626.36 Total = (I) + (II) = = (III) = ` 7626.36

Add: for Water charges charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV) = ` Nil

Total = (I) + (II) = (III) = ` 7626.36 Grand Total = (III)+(IV) = ` 7626.36

This is cost for 0.680 Cu.M.

Therefore, Unit cost =

$$\frac{7626.36}{0.680} = ` 11215.24$$

Say ` 11215.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
RCC (1:1.5:3) in moulded copings & the like upto floor two level etc.
excluding centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11f(i) of Section -V of MbPT SOR 2014
New Item No. 11f(i) of Section -V
NBO Ref. No.5.4.5(d) Page:104 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 3b(i) of Section-IV) (Material cost)	1.000	Cu.M.	4581.50	4581.50		Extra labour for laying:					
						1.	Same as per 11a(i)	1.0000	Cu.M.	1187.72	1187.72	
						2.	Mazdoor-Female extra for lifting	1.5000	No.	478.85	718.28	
						3.	Mason I	0.5800	No.	540.38	313.42	
						4.	Mason II	0.5800	No.	525.00	304.50	
						5.	Bhisti	0.0600	No.	478.85	28.73	
							Labour cost of Item 3b(i) of Section-IV				997.68	
TOTAL (M) = `					4581.50	TOTAL (L) = `					3550.33	

Total of (M) + (L) =	(I)	= `	8131.83	Total = (I) + (II) =	(III)	= `	8864.99
Add: Allowance for Water charges @1% of (I)		= `	81.32	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	813.18
Add: Allowance for PF @13.61% of (L)		= `	483.20	Grand Total	=	(III)+(IV)= `	9678.17
				This is cost for	1.000	Cu.M.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	168.64	Therefore, Unit cost	=		
				9678.17	÷	1.000	= ` 9678.17
Total of allowances =	(II)	= `	733.16				
			Say `	9678.00	per	Cu.M.	

Rate Analysis for 1.500 Cu.M. of Item:
RCC (1:1.5:3) in moulded copings & the like upto floor two level etc.
including centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11f(ii) of Section -V of MbPT SOR 2014
 New Item No. 11f(ii) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) Size:10.0X0.3X0.5 Mtrs. (Item 11f(i) of Section-V above)	1.500	Cu.M.	9678.00	14517.00							
2.	Form work required 10.0X0.4 (Form Work - 'G' of Section-IV)	4.000	Sq.M.	391.000	1564.00							
TOTAL (M) = `					16081.00	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 16081.00 Total = (I) + (II) = = (III)= ` 16081.00

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 16081.00 Grand Total = (III)+(IV)= ` 16081.00

This is cost for 1.500 Cu.M.

Therefore, Unit cost =
 16081.00 ÷ 1.500 = ` 10720.67

Say ` 10721.00 per Cu.M.

Rate Analysis for 0.424 Cu.M. of Item:
RCC (1:1.5:3) in encasing rolled steel sections in beams & columns etc. upto floor two level etc.
excluding centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11g(i) of Section -V of MbPT SOR 2014
 New Item No. 11g(i) of Section -V
 NBO Ref. No.5.4.5(d) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) (Item 3b(i) of Section-IV) (Material cost)	0.424	Cu.M.	4581.50	1942.55	1.	Extra labour for laying: Same as per 11a(i)	0.424	Cu.M.	1187.72	503.60	
2.	Sundries for lifting materials		Lumpsum		75.00		Labour cost of Item 3b(i) of Section-IV				997.68	
TOTAL (M) = `					2017.55	TOTAL (L) = `					1501.28	

Total of (M) + (L) =	(I)	= `	3518.83	Total = (I) + (II) =	(III)	= `	3829.65
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	35.19	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	351.88
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	204.32	Grand Total	=	(III)+(IV)= `	4181.53
				This is cost for	0.424	Cu.M.	
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	71.31	Therefore, Unit cost	=		
				4181.53 ÷	0.424	= `	9862.11
Total of allowances =	(II)	= `	310.82				
			Say `	9862.00	per	Cu.M.	

Rate Analysis for 0.315 Cu.M. of Item:
RCC (1:1.5:3) in encasing rolled steel sections in beams & columns etc. upto floor two level etc.
including centering/ shuttering but excluding reinforcement, etc.

Corresponding Item No. 11g(ii) of Section -V of MbPT SOR 2014
 New Item No. 11g(ii) of Section -V
 NBO Ref. No.9.1(g) Page:265 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1.5:3) Size:0.3X0.3X3.5 Mtrs. (Item 11g(i) of Section-V above)	0.315	Cu.M.	9862.00	3106.53							
2.	Form work required (Form Work - 'D' of Section-IV)	4.200	Sq.M.	495.000	2079.00							
TOTAL (M) = `					5185.53	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 5185.53 Total = (I) + (II) = = (III)= ` 5185.53

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 5185.53 Grand Total = (III)+(IV)= ` 5185.53

This is cost for 0.315 Cu.M.

Therefore, Unit cost =
 5185.53 ÷ 0.315 = ` 16462.00

Say ` 16462.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for admix corrosion inhibiting admixture Polyalk CP-293 or equivalent**

Corresponding Item No. 11h of Section -V of MbPT SOR 2014

New Item No. 11h of Section -V

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polyalk CP-293	4.000	Lit	177.97	711.87							
					TOTAL (M) = `						TOTAL (L) = `	
					711.87							

Total of (M) + (L) = (I) = ` 711.87

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 711.87

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 71.19

Grand Total = (III)+(IV)= ` 783.05

This is cost for 1.0 Cu.M.

Therefore, Unit cost =
783.05 ÷ 1.0 = ` 783.05

Say ` 783.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for admix super plasticizer Polytancrete NGT or equivalent**

Corresponding Item No. 11i of Section -V of MbPT SOR 2014

New Item No. 11i of Section -V

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polytancrete NGT	2.000	Lit	55.08	110.17							
TOTAL (M) = `					110.17	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 110.17

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 110.17

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 11.02

Grand Total = (III)+(IV)= ` 121.19

This is cost for 1.0 Cu.M.

Therefore, Unit cost =
121.19 ÷ 1.0 = ` 121.19

Say ` 121.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
Extra over rate for every subsequent floor above floor two level for Item No.11 above

Corresponding Item No. 12 of Section -V of MbPT SOR 2014
 New Item No. 12 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate of RCC - Item 11a(i)				6583.00							
2.	Rate of RCC - Item 11b(i)				6583.00							
3.	Rate of RCC - Item 11c(i)				7909.00							
4.	Rate of RCC - Item 11d(i)				8018.00							
5.	Rate of RCC - Item 11e(i)				9261.00							
6.	Rate of RCC - Item 11f(i)				9678.00							
7.	Rate of RCC - Item 11g(i)				9862.00							
				Total =	57894.00							
				Average Rate =	8270.57							
				Consider 1% of average rate =	82.71							
TOTAL (M) = `					82.71	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 82.71 Total = (I) + (II) = = (III)= ` 82.71

Add: for Water charges (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 82.71 Grand Total = (III)+(IV)= ` 82.71

This is cost for 1.000 Cu.M.

Therefore, Unit cost =
 82.71 ÷ 1.000 = ` 82.71

Say ` 83.00 per Cu.M. per floor

Rate Analysis for 1.000 Cu.M. of Item:
RCC (1:1:2) or M-25 excluding centering/ shuttering but excluding reinforcement, etc.
(a) in beams etc. upto floor two level

Corresponding Item No. 13a(i) of Section -V of MbPT SOR 2014
New Item No. 13a(i) of Section -V
NBO Ref. No.5.4.3 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Coarse agg.-10mm	0.580	Cu.M.	898.31	521.02	1.	Mason I	0.0500	No.	540.38	27.02	
2.	Coarse agg.-20mm	0.200	Cu.M.	898.31	179.66	2.	Mason II	0.0500	No.	525.00	26.25	
3.	Coarse sand	0.390	Cu.M.	2994.92	1168.02	3.	Bhisti	0.2700	No.	478.85	129.29	
4.	Cement (0.39 Cu.M.)	0.560	MT	5762.73	3227.13	4.	Mate	0.0400	No.	478.85	19.15	
5.	Sundries incl. mixer hire charges etc.		Lumpsum		80.00	5.	Mazdoor-Male	0.9500	No.	478.85	454.91	
						6.	Mazdoor-Female	0.6800	No.	478.85	325.62	
						7.	Mazdoor-Female for lifting	0.1700	No.	478.85	81.40	
TOTAL (M) = `					5175.83	TOTAL (L) = `					1063.64	

Total of (M) + (L) = (I) = ` 6239.47

Add: Allowance for Water charges @1% of (I) = ` 62.39

Add: Allowance for PF @13.61% of (L) = ` 144.76

Add: Allowance for Employee' insurance @4.75% of (L) = ` 50.52

Total of allowances = (II) = ` 257.68

Total = (I) + (II) = (III) = ` 6497.15

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 623.95

Grand Total = (III)+(IV)= ` 7121.10

This is cost for 1.000 Cu.M.

Therefore, Unit cost = 7121.10 ÷ 1.000 = ` 7121.10

Say ` 7121.00 per Cu.M.

Rate Analysis for 0.990 Cu.M. of Item:
RCC (1:1:2) or M-25 including centering/ shuttering but excluding reinforcement, etc.
(a) in beams etc. upto floor two level

Corresponding Item No. 13a(ii) of Section -V of MbPT SOR 2014
 New Item No. 13a(ii) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - (1:1:2) (Item 13a(i) of Section-V above)	0.990	Cu.M.	7121.00	7049.79							
2.	Form work required (Form Work - 'E' of Section-IV)	8.400	Sq.M.	282.000	2368.80							
TOTAL (M) = `					9418.59	TOTAL (L) = `						

Total of (M) + (L) =	(I) = `	9418.59	Total = (I) + (II) =	=	(III)= `	9418.59
<u>Add</u> : for Water charges @1% of (I)	(II) = `	Nil	<u>Add</u> : Contractor's over-heads & profit @10% of (I)	=	(IV)= `	Nil
Total = (I) + (II) =	(III) = `	9418.59	Grand Total	=	(III)+(IV)= `	9418.59
This is cost for 0.990 Cu.M.						
Therefore, Unit cost						
	9418.59	÷	0.990	=	`	9513.73
Say ` 9514.00 per Cu.M.						

Rate Analysis for 1.000 Cu.M. of Item:
RCC (1:1:2) or M-25 excluding centering/ shuttering but excluding reinforcement, etc.
(b) in columns etc. upto floor two level

Corresponding Item No. 13b(i) of Section -V of MbPT SOR 2014
New Item No. 13b(i) of Section -V
NBO Ref. No.5.4.3(c) Page:113 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Coarse agg.-10mm	0.580	Cu.M.	898.31	521.02	1.	Mason I	0.0500	No.	540.38	27.02	
2.	Coarse agg.-20mm	0.200	Cu.M.	898.31	179.66	2.	Mason II	0.0500	No.	525.00	26.25	
3.	Coarse sand	0.390	Cu.M.	2994.92	1168.02	3.	Bhisti	0.2700	No.	478.85	129.29	
4.	Cement (0.39 Cu.M.)	0.560	MT	5762.73	3227.13	4.	Mate	0.0400	No.	478.85	19.15	
5.	Sundries incl. mixer hire charges etc.		Lumpsum		80.00	5.	Mazdoor-Male	0.9500	No.	478.85	454.91	
						6.	Mazdoor-Female	0.6800	No.	478.85	325.62	
						7.	Mazdoor-Female for lifting	0.1700	No.	478.85	81.40	
TOTAL (M) = `					5175.83	TOTAL (L) = `					1063.64	

Total of (M) + (L) =	(I)	= `	6239.47	Total = (I) + (II) =	(III)	= `	6497.15
Add: Allowance for Water charges @1% of (I)		= `	62.39	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	623.95
Add: Allowance for PF @13.61% of (L)		= `	144.76	Grand Total	=	(III)+(IV)= `	7121.10
				This is cost for	1.000	Cu.M.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	50.52	Therefore, Unit cost	=		
				7121.10	÷	1.000	= ` 7121.10
Total of allowances =	(II)	= `	257.68				
			Say `	7121.00	per	Cu.M.	

Rate Analysis for 0.315 Cu.M. of Item:
RCC (1:1:2) or M-25 including centering/ shuttering but excluding reinforcement, etc.
(b) in columns etc. upto floor two level

Corresponding Item No. 13b(ii) of Section -V of MbPT SOR 2014
 New Item No. 13b(ii) of Section -V
 NBO Ref. No. . Page:267 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete (1:1:2) (Item 13b(i) of Section-V above)	0.315	Cu.M.	7121.00	2243.12							
2.	Form work required 4X0.3X3.5 (Form Work - 'D' of Section-IV)	4.200	Sq.M.	495.000	2079.00							
TOTAL (M) = `					4322.12	TOTAL (L) = `						

Total of (M) + (L) =	(I) = `	4322.12	Total = (I) + (II) =	=	(III)= `	4322.12
Add: for Water charges @1% of (I)	(II) = `	Nil	Add: Contractor's over-heads & profit @10% of (I)	=	(IV)= `	Nil
Total = (I) + (II) =	(III) = `	4322.12	Grand Total	=	(III)+(IV)= `	4322.12
This is cost for 0.315 Cu.M.						
Therefore, Unit cost						
	4322.12	÷	0.315	=	`	13721.00
Say ` 13721.00 per Cu.M.						

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for admix corrosion inhibiting admixture Polyalk CP-293 or equivalent**

Corresponding Item No. 13c of Section -V of MbPT SOR 2014

New Item No. 13c of Section -V

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polyalk CP-293	5.000	Lit	177.97	889.83							
					TOTAL (M) = `						TOTAL (L) = `	
					889.83							

Total of (M) + (L) = (I) = ` 889.83

Total = (I) + (II) = (III) = ` 889.83

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 88.98

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 978.82

This is cost for 1.0 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = `

Therefore, Unit cost = 978.82 ÷ 1.0 = ` 978.82

Total of allowances = (II) = `

Say ` 979.00 per Cu.M.

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for admix super plasticizer Polytancrete NGT or equivalent**

Corresponding Item No. 13d of Section -V of MbPT SOR 2014

New Item No. 13d of Section -V

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polytancrete NGT	2.500	Lit	55.08	137.71							
					TOTAL (M) = `						TOTAL (L) = `	
					137.71							

Total of (M) + (L) = (I) = ` 137.71

Total = (I) + (II) = (III) = ` 137.71

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 13.77

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 151.48

This is cost for 1.0 Cu.M.

Add: Allowance for Employee' insurance @4.75% of (L) = `

Therefore, Unit cost =
151.48 ÷ 1.0 = ` 151.48

Total of allowances = (II) = `

Say ` 151.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
Extra over rate for every subsequent floor above floor two level for Item No.13 above

Corresponding Item No. 14 of Section -V of MbPT SOR 2014
 New Item No. 14 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate of RCC - Item 13a(i)				7121.00							
2.	Rate of RCC - Item 13b(i)				7121.00							
				Total =	14242.00							
				Average Rate =	7121.00							
				Consider 1% of average rate =	71.21							
TOTAL (M) = `					71.21	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 71.21 Total = (I) + (II) = = (III)= ` 71.21

Add: for Water charges charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 71.21 Grand Total = (III)+(IV)= ` 71.21

This is cost for 1.000 Cu.M.

Therefore, Unit cost =
 71.21 ÷ 1.000 = ` 71.21

Say ` 71.00 per Cu.M. per floor

Rate Analysis for 1.000 qntl. of Item:
Providing and fixing m.s. reinforcement upto floor two level for RCC members including cutting, bending, placing in position, binding etc.

Corresponding Item No. 15 of Section -V of MbPT SOR 2014
 New Item No. 15 of Section -V
 NBO Ref. No.5.4.10 Page:118 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Mild steel	1.000	qntl.	3898.32	3898.32	1.	Blacksmith I	1.0000	No.	540.38	540.38	
2.	Wastage @5%	0.050	qntl.	3898.32	194.92	2.	Mazdoor-Male	1.0000	No.	478.85	478.85	
3.	Carriage	1.050	qntl.	169.49	177.97							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) = `					4321.20	TOTAL (L) = `					1019.23	

Total of (M) + (L) =	(I)	= `	5340.43	Total = (I) + (II) =	(III)	= `	5527.56
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	534.04
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	6061.60
				This is cost for	1.000	qntl.	
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	48.41	Therefore, Unit cost	=		
				6061.60 ÷	1.000	= `	6061.60
Total of allowances =	(II)	= `	187.13				
			Say `	6062.00	per	qntl.	

Rate Analysis for 1.000 qntl. of Item:
Providing and fixing HYSD reinforcement upto floor two level for RCC members including cutting, bending, placing in position, binding etc.

Corresponding Item No. 16 of Section -V of MbPT SOR 2014
 New Item No. 16 of Section -V
 NBO Ref. No.5.4.11 Page:118 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	HYSD Bars	1.000	qntl.	4152.55	4152.55	1.	Blacksmith I	1.0000	No.	540.38	540.38	
2.	Wastage @5%	0.050	qntl.	4152.55	207.63	2.	Mazdoor-Male	1.0000	No.	478.85	478.85	
3.	Carriage	1.050	qntl.	169.49	177.97							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) = `					4588.15	TOTAL (L) = `					1019.23	

Total of (M) + (L) =	(I)	= `	5607.38	Total = (I) + (II) =	(III)	= `	5794.51
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	560.74
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	6355.25
				This is cost for	1.000	qntl.	
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	48.41	Therefore, Unit cost	=		
				6355.25	÷	1.000	= ` 6355.25
Total of allowances =	(II)	= `	187.13				
			Say `	6355.00	per	qntl.	

Rate Analysis for 1.00 qntl. of Item:
Providing and fixing hard drawn steel wire (conforming to IS) fabric etc.

Corresponding Item No. 17 of Section -V of MbPT SOR 2014
 New Item No. 17 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Earlier SOR rate				5561.00							
2.	Add: Steel price hike @13.30%				739.61							
TOTAL (M) = `					6300.61	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 6300.61 Total = (I) + (II) = = (III)= ` 6300.61

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 6300.61 Grand Total = (III)+(IV)= ` 6300.61

This is cost for 1.00 qntl.

Therefore, Unit cost =
 6300.61 ÷ 1.00 = ` 6300.61

Say ` 6301.00 per qntl.

Rate Analysis for 1.000 qntl. of Item:
Extra over rate for every subsequent floor above floor two level for Item Nos.15 & 16 above

Corresponding Item No. 18 of Section -V of MbPT SOR 2014
 New Item No. 18 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item 15				6062.00							
2.	Rate for Item 16				6355.00							
				Total =	12417.00							
				Average Rate =	6208.50							
				Consider 1% of average rate =	62.09							
TOTAL (M) = `					62.09	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 62.09 Total = (I) + (II) = = (III) = ` 62.09

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV) = ` Nil

Total = (I) + (II) = (III) = ` 62.09 Grand Total = (III)+(IV) = ` 62.09

This is cost for 1.000 qntl.

Therefore, Unit cost =
 62.09 ÷ 1.000 = ` 62.09

Say ` 62.00 per qntl. per floor

Rate Analysis for 1.00 Sq.M. of Item:
Providing and fixing RCC jallies etc.
(a) 50mm thick jallies

Corresponding Item No. 19a of Section -V of MbPT SOR 2014
 New Item No. 19a of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Earlier SOR rate				707.00							
2.	Add: 13.30% (AICPI rise by 13.30%)				94.03							
TOTAL (M) = `					801.03	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 801.03 Total = (I) + (II) = = (III) = ` 801.03

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV) = ` Nil

Total = (I) + (II) = (III) = ` 801.03 Grand Total = (III)+(IV) = ` 801.03

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 801.03 ÷ 1.00 = ` 801.03

Say ` 801.00 per Sq.M.

Rate Analysis for 1.00 Sq.M. of Item:
Providing and fixing RCC jallies etc.
(b) 40mm thick jallies

Corresponding Item No. 19b of Section -V of MbPT SOR 2014
 New Item No. 19b of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Earlier SOR rate				607.00							
2.	Add: 13.30% (AICPI rise by 13.30%)				80.73							
TOTAL (M) = `					687.73	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 687.73 Total = (I) + (II) = = (III) = ` 687.73

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV) = ` Nil

Total = (I) + (II) = (III) = ` 687.73 Grand Total = (III)+(IV) = ` 687.73

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 687.73 ÷ 1.00 = ` 687.73

Say ` 688.00 per Sq.M.

Rate Analysis for 1.00 Sq.M. of Item:
Providing and fixing RCC jallies etc.
(c) 25mm thick jallies

Corresponding Item No. 19c of Section -V of MbPT SOR 2014
 New Item No. 19c of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Earlier SOR rate				569.00							
2.	Add: 13.30% (AICPI rise by 13.30%)				75.68							
TOTAL (M) = `					644.68	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 644.68 Total = (I) + (II) = = (III) = ` 644.68

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV) = ` Nil

Total = (I) + (II) = (III) = ` 644.68 Grand Total = (III)+(IV) = ` 644.68

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 644.68 ÷ 1.00 = ` 644.68

Say ` 645.00 per Sq.M.

Rate Analysis for 1.000 No. of Item:
Providing & fixing in position RCC door frame of section 100X 63mm for opening size of 0.75X2.0 Mtrs. to w.c. or bathroom including fixing hold-fasts etc.

Corresponding Item No. 20 of Section -V of MbPT SOR 2014
 New Item No. 20 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	RCC pre-cast door frame-100X63mm-0.75X2.0 Mtrs. opening	1.000	No.	974.58	974.58	1.	Carpenter I	0.3300	No.	540.38	178.33	
2.	Hold-fasts, nails, cement etc.		Lumpsum		80.00	2.	Mazdoor-Male	0.6600	No.	478.85	316.04	
3.	Sundries		Lumpsum		50.00							
TOTAL (M) = `					1104.58	TOTAL (L) = `					494.37	

Total of (M) + (L) =	(I)	= `	1598.95	Total = (I) + (II) =	(III)	= `	1689.71
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	159.89
Add: Allowance for PF @13.61% of (L)		= `	67.28	Grand Total	=	(III)+(IV)= `	1849.61
				This is cost for	1.000	No.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	23.48	Therefore, Unit cost	=		
				1849.61	÷	1.000	= ` 1849.61
Total of allowances =	(II)	= `	90.77				
			Say `	1850.00	per	each	

Rate Analysis for 1.000 qntl. of Item:
Providing and fixing Thermo Mechanically treated (TMT) deformed bars reinforcement upto floor two level including cutting, bending, placing, binding etc.

Corresponding Item No. 21 of Section -V of MbPT SOR 2014
 New Item No. 21 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	TMT Bars	1.000	qntl.	4137.72	4137.72	1.	Blacksmith I	1.0000	No.	540.38	540.38	
2.	Wastage @5%	0.050	qntl.	4137.72	206.89	2.	Mazdoor-Male	1.0000	No.	478.85	478.85	
3.	Carriage	1.050	qntl.	169.49	177.97							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) = `					4572.58	TOTAL (L) = `					1019.23	

Total of (M) + (L) =	(I)	= `	5591.81	Total = (I) + (II) =	(III)	= `	5778.94
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	559.18
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	6338.12
				This is cost for	1.000	qntl.	
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	48.41	Therefore, Unit cost	=		
				6338.12	÷	1.000	= ` 6338.12
Total of allowances =	(II)	= `	187.13				
			Say `	6338.00	per	qntl.	

Rate Analysis for 1.000 qntl. of Item:
Extra over rates for every subsequent floor above floor two level for Item No.21 above

Corresponding Item No. 22a of Section -V of MbPT SOR 2014
 New Item No. 22a of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item 21				6338.00							
				Consider 1% of rate =	63.38							
TOTAL (M) = `					63.38	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 63.38 Total = (I) + (II) = = (III)= ` 63.38

Add: for Water charges (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 63.38 Grand Total = (III)+(IV)= ` 63.38

This is cost for 1.000 qntl.

Therefore, Unit cost =
 63.38 ÷ 1.000 = ` 63.38

Say ` 63.00 per qntl. per floor

Rate Analysis for 1.000 qntl. of Item:
Extra over rate for providing and applying epoxy treatment to reinforcement TMT bars after necessary cutting etc. complete in factory including transportation etc. for Item No.21 above

Corresponding Item No. 22b of Section -V of MbPT SOR 2014
 New Item No. 22b of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Epoxy coating to TMT bars	1.000	qntl.	1186.44	1186.44							
2.	Sundries		Lumpsum		80.00							
TOTAL (M) = `					1266.44	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 1266.44 Total = (I) + (II) = = (III)= ` 1266.44

Add: for Water charges charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` 126.64

Total = (I) + (II) = (III) = ` 1266.44 Grand Total = (III)+(IV)= ` 1393.09

This is cost for 1.000 qntl.

Therefore, Unit cost =
 1393.09 ÷ 1.000 = ` 1393.09

Say ` 1393.00 per qntl.

Rate Analysis for 1.000 Cu.M. of Item:

Extra over rate for using Ready Mixed Concrete (RMC) in plinth and super structure for all grades of concrete and all concrete works in PCC/ RCC etc.

(If required pumping arrangement for any hight shall be made at no extra cost).

Corresponding Item No. 23 of Section -V of MbPT SOR 2014
 New Item No. 23 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	RMC - M-20 grade Wastage 5%	1.050	Cu.M.	4422.05	4643.15	1.	Extra labour for RMC handling-Mazdoor-Male	1.00	No.	478.85	478.85	
2.	Centering-10Sq.M. per 6.25 Cu.M. (Material & Labour cost of Form Work-'C' of Section-IV	1.600	Sq.M.	290.55	464.87		Mason I	0.05	No.	540.38	27.02	
						2.	Mason II	0.05	No.	525.00	26.25	
						3.	Mate	0.04	No.	478.85	19.15	
						4.	Bhisti	0.27	No.	478.85	129.29	
3.	Sundries		Lumpsum		80.00	5.	Mazdoor-Male	0.95	No.	478.85	454.91	
						6.	Mazdoor-Female	0.68	No.	478.85	325.62	
TOTAL (M) =					5188.02	TOTAL (L) =					1461.09	

Total of (M) + (L) =	(I)	= `	6649.11	Total = (I) + (II) =	(III)	= `	6917.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	664.91
Add: Allowance for PF @13.61% of (L)		= `	198.85	Grand Total	=	(III)+(IV)= `	7582.28
				This is cost for 1.000 Cu.M.			
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.40	Therefore, Unit cost	=		
				7582.28	÷	1.000	= ` 7582.28
Total of allowances =	(II)	= `	268.26	Say `	7582.00	per	Cu.M.
				Deduct: Rate of Concrete M-20 grade =	7115.00	per	Cu.M.
				(Item 11a(ii) above)			
				Therefore, extra over rate =	467.00		Cu.M.

Say ` 467.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
Providing and laying cement concrete M-30 grade in RCC members excluding form work, boxing, consolidating, watering, curing etc. but excluding reinforcement etc.
(a) in beams or columns upto floor two level.

Rate for Item Nos. 24a(i) & 24b(i)

Corresponding Item No. 24a(i) & b(i) of Section -V of MbPT SOR 2014
 New Item No. 24a of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Coarse agg.-10mm	0.310	Cu.M.	898.31	278.48	1.	Mason I	0.1500	No.	540.38	81.06	
2.	Coarse agg.-20mm	0.710	Cu.M.	898.31	637.80	2.	Mason II	0.1500	No.	525.00	78.75	
3.	Coarse sand	0.510	Cu.M.	2994.92	1527.41	3.	Maistry	0.1500	No.	540.38	81.06	
4.	Cement	0.520	MT	5762.73	2996.62	4.	Bhisti	0.4800	No.	478.85	229.85	
5.	Sundries incl. mixer hire charges etc.		Lumpsum		80.00	5.	Mate	0.1000	No.	478.85	47.89	
						6.	Mazdoor-Male	1.2500	No.	478.85	598.56	
						7.	Mazdoor-Female	0.9000	No.	478.85	430.97	
TOTAL (M) = `					5520.30	TOTAL (L) = `					1548.12	

Total of (M) + (L) =	(I)	= `	7068.43	Total = (I) + (II) =	(III)	= `	7423.35
Add: Allowance for Water charges @1% of (I)		= `	70.68	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	706.84
Add: Allowance for PF @13.61% of (L)		= `	210.70	Grand Total	=	(III)+(IV)= `	8130.19
				This is cost for	1.000	Cu.M.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	73.54	Therefore, Unit cost	=		
				8130.19	÷	1.000	= ` 8130.19
Total of allowances =	(II)	= `	354.92				
				Say `	8130.00	per	Cu.M.

Rate Analysis for 0.990 Cu.M. of Item:
Providing and laying cement concrete M-30 grade in RCC members including form work, boxing, consolidating, watering, curing etc. but excluding reinforcement etc.
(b) in beams upto floor two level.

Corresponding Item No. 24a(ii) of Section -V of MbPT SOR 2014
 New Item No. 24a(ii) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - M-30 grade (Item 24a above)	0.990	Cu.M.	8130.00	8048.70							
2.	Form work required - (Form Work - 'E' of Section-IV)	8.400	Sq.M.	282.000	2368.80							
TOTAL (M) = `					10417.50	TOTAL (L) = `						

Total of (M) + (L) =	(I) = `	10417.50	Total = (I) + (II) =	=	(III) = `	10417.50
Add: for Water charges @1% of (I)	(II) = `	Nil	Add: Contractor's over-heads & profit @10% of (I)	=	(IV) = `	Nil
Total = (I) + (II) =	(III) = `	10417.50	Grand Total	=	(III)+(IV) = `	10417.50
This is cost for 0.990 Cu.M.						
Therefore, Unit cost						
	10417.50	÷	0.990	=	`	10522.73
Say ` 10523.00 per Cu.M.						

Rate Analysis for 0.315 Cu.M. of Item:
Providing and laying cement concrete M-30 grade in RCC members including form work, boxing, consolidating, watering, curing etc. but excluding reinforcement etc.
(c) in columns upto floor two level.

Corresponding Item No. 24b(ii) of Section -V of MbPT SOR 2014
 New Item No. 24b(ii) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - M-30 grade (Item 24a above)	0.315	Cu.M.	8130.00	2560.95							
2.	Form work required - 4X0.30X3.50 Mtrs. (Form Work - 'D' of Section-IV)	4.200	Sq.M.	495.000	2079.00							
3.	Sundries for lifting		Lumpsum		150.00							
TOTAL (M) = `					4789.95	TOTAL (L) = `						

Total of (M) + (L) =	(I) = `	4789.95	Total = (I) + (II) =	=	(III) = `	4789.95
Add: for Water charges @1% of (I)	(II) =	Nil	Add: Contractor's over-heads & profit @10% of (I)	=	(IV) = `	Nil
Total = (I) + (II) =	(III) =	4789.95	Grand Total	=	(III)+(IV) = `	4789.95
This is cost for 0.315 Cu.M.						
Therefore, Unit cost =						
	4789.95	÷	0.315	=	`	15206.19
Say ` 15206.00 per Cu.M.						

Rate Analysis for 1.000 Cu.M. of Item:
Extra over rates for every subsequent floor above floor two level for Item No.24 above

Corresponding Item No. 25 of Section -V of MbPT SOR 2014
 New Item No. 25 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item 24a				8130.00							
				Consider 1% of rate =	81.30							
TOTAL (M) = `					81.30	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 81.30 Total = (I) + (II) = = (III)= ` 81.30

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 81.30 Grand Total = (III)+(IV)= ` 81.30

This is cost for 1.000 Cu.M.

Therefore, Unit cost =
 81.30 ÷ 1.000 = ` 81.30

Say ` 81.00 per Cu.M. per floor

Rate Analysis for 1.000 Cu.M. of Item:
Providing and laying reinforced cement concrete M-40 grade in RCC members excluding cost of form work, boxing, consolidating, watering, curing etc. but excluding reinforcement etc.
(a) in beams or columns upto floor two level.

Rate for Item Nos. 26a(i) & 26b(i)

Corresponding Item No. 26a(i) & 26b(i) of Section -V of MbPT SOR 2014
 New Item No. 26a of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Coarse agg.-10mm	0.320	Cu.M.	898.31	287.46	1.	Mason I	0.1600	No.	540.38	86.46	
2.	Coarse agg.-20mm	0.720	Cu.M.	898.31	646.78	2.	Mason II	0.1600	No.	525.00	84.00	
3.	Coarse sand	0.490	Cu.M.	2994.92	1467.51	3.	Maistry	0.1600	No.	540.38	86.46	
4.	Cement	0.580	MT	5762.73	3342.38	4.	Bhisti	0.5000	No.	478.85	239.43	
5.	Sundries incl. mixer hire charges etc.		Lumpsum		80.00	5.	Mate	0.1100	No.	478.85	52.67	
						6.	Mazdoor-Male	1.3100	No.	478.85	627.29	
						7.	Mazdoor-Female	0.9500	No.	478.85	454.91	
TOTAL (M) = `					5824.13	TOTAL (L) = `					1631.22	

Total of (M) + (L) =	(I)	= `	7455.36	Total = (I) + (II) =	(III)	= `	7829.40
Add: Allowance for Water charges @1% of (I)		= `	74.55	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	745.54
Add: Allowance for PF @13.61% of (L)		= `	222.01	Grand Total	=	(III)+(IV)= `	8574.94
				This is cost for	1.000	Cu.M.	
Add: Allowance for Employee' insurance @4.75% of (L)		= `	77.48	Therefore, Unit cost	=		
				8574.94	÷	1.000	= ` 8574.94
Total of allowances =	(II)	= `	374.05				
			Say `	8575.00	per	Cu.M.	

Rate Analysis for 0.990 Cu.M. of Item:
Providing and laying reinforced cement concrete M-40 grade in RCC members including cost of form work, boxing, consolidating, watering, curing etc. but excluding reinforcement etc.
(b) in beams upto floor two level.

Corresponding Item No. 26a(ii) of Section -V of MbPT SOR 2014
 New Item No. 26a(ii) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - M-30 grade (Item 26a above)	0.990	Cu.M.	8575.00	8489.25							
2.	Form work required - (Form Work - 'E' of Section-IV)	8.400	Sq.M.	282.000	2368.80							
TOTAL (M) = `					10858.05	TOTAL (L) = `						

Total of (M) + (L) =	(I) =	` 10858.05	Total = (I) + (II) =	=	(III)=	` 10858.05
Add: for Water charges @1% of (I)	(II) =	Nil	Add: Contractor's over-heads & profit @10% of (I)	=	(IV)=	Nil
Total = (I) + (II) =	(III) =	` 10858.05	Grand Total	=	(III)+(IV)=	` 10858.05
This is cost for 0.990 Cu.M.						
Therefore, Unit cost						
	10858.05	÷	0.990	=	`	10967.73
Say ` 10968.00 per Cu.M.						

Rate Analysis for 0.315 Cu.M. of Item:
Providing and laying reinforced cement concrete M-40 grade in RCC members including cost of form work, boxing, consolidating, watering, curing etc. but excluding reinforcement etc.
(c) in columns upto floor two level.

Corresponding Item No. 26b(ii) of Section -V of MbPT SOR 2014
 New Item No. 26b(ii) of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement Concrete - M-30 grade (Item 26a above)	0.315	Cu.M.	8575.00	2701.13							
2.	Form work required - 4X0.30X3.50 Mtrs. (Form Work - 'D' of Section-IV)	4.200	Sq.M.	495.000	2079.00							
3.	Sundries for lifting		Lumpsum		150.00							
TOTAL (M) = `					4930.13	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 4930.13 Total = (I) + (II) = = (III)= ` 4930.13

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 4930.13 Grand Total = (III)+(IV)= ` 4930.13

This is cost for 0.315 Cu.M.

Therefore, Unit cost =

$$\frac{4930.13}{0.315} = ` 15651.19$$

Say ` 15651.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
Extra over rate for every subsequent floor above floor two level for Item No.26 above

Corresponding Item No. 27 of Section -V of MbPT SOR 2014
 New Item No. 27 of Section -V
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Rate for Item 26a				8575.00							
				Consider 1% of rate =	85.75							
TOTAL (M) = `					85.75	TOTAL (L) = `						

Total of (M) + (L) = (I) = ` 85.75 Total = (I) + (II) = = (III)= ` 85.75

Add: for Water charges charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 85.75 Grand Total = (III)+(IV)= ` 85.75

This is cost for 1.000 Cu.M.

Therefore, Unit cost =
 85.75 ÷ 1.000 = ` 85.75

Say ` 86.00 per Cu.M. per floor

Rate Analysis

for 1.0 Cu.M. of Item: **Extra over rate for admix corrosion inhibiting admixture Polyalk CP-293 or equivalent**

Corresponding Item No. 28 of Section -V of MbPT SOR 2014

New Item No. 28 of Section -V

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polyalk CP-293	4.500	Lit	177.97	800.85							
					TOTAL (M) = `						TOTAL (L) = `	
					800.85							

Total of (M) + (L) = (I) = ` 800.85

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 800.85

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 80.08

Grand Total = (III)+(IV)= ` 880.93

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 880.93 ÷ 1.0 = ` 880.93

Say ` 881.00 per Cu.M.

Rate Analysis

for 100.0 Sq.M. of Item: **Extra over rate for providing and applying polymeric bonding coat Polyalk EP or equivalent**

Corresponding Item No. 29 of Section -V of MbPT SOR 2014

New Item No. 29 of Section -V

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Polyalk EP	25.000	Lit	398.31	9957.66	1.	Painter I	2.000	Nos.	540.38	1080.76	
2.	Cement	0.0125	MT	5762.73	72.03	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Carriage		Lumpsum		80.00							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) = `					10159.69	TOTAL (L) = `					1559.61	

Total of (M) + (L) = (I) = ` 11719.30

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 212.26

Add: Allowance for Employee' insurance @4.75% of (L) = ` 74.08

Total of allowances = (II) = ` 286.34

Total = (I) + (II) = (III) = ` 12005.64

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1171.93

Grand Total = (III)+(IV)= ` 13177.57

This is cost for 100.0 Sq.M.

Therefore, Unit cost = 13177.57 ÷ 100.0 = ` 131.78

Say ` 132.00 per Sq.M.

VI - Brick Work

Sr. No.	Item Description	Rate in `	Unit
1	Providing brick masonry with conventional/ IS type bricks one brick thick including scaffolding, watering, racking out joints etc. complete as directed.		
	(a) <u>Set in cement mortar (1:4)</u>		
	(i) in foundation & plinth	1,383.00	Sq.M.
	(ii) in superstructure upto floor two level	1,543.00	Sq.M.
	(iii) Extra over rate for (a)(ii) above for superstructure above floor two level	17.00	per floor per Sq.M.
	(b) <u>Set in cement mortar (1:5)</u>		
	(i) in foundation & plinth	1,358.00	Sq.M.
	(ii) in superstructure upto floor two level	1,468.00	Sq.M.
	(iii) Extra over rate for (b)(ii) above for superstructure above floor two level	15.00	per floor per Sq.M.
	(c) <u>Set in cement mortar (1:6)</u>		
	(i) in foundation & plinth	1,337.00	Sq.M.
	(ii) in superstructure upto floor two level	1,447.00	Sq.M.
	(iii) Extra over rate for (c)(ii) above for superstructure above floor two level	14.00	per floor per Sq.M.
2	Providing brick masonry with conventional/ IS type bricks of greater than one brick thickness including scaffolding, watering etc. complete as directed.		
	(a) <u>Set in cement mortar (1:4)</u>		
	(i) in foundation & plinth	6,011.00	Cu.M.
	(ii) in superstructure upto floor two level	6,409.00	Cu.M.
	(iii) Extra over rate for (a)(ii) above for superstructure above floor two level	64.00	per floor per Cu.M.
	(b) <u>Set in cement mortar (1:5)</u>		
	(i) in foundation & plinth	5,903.00	Cu.M.
	(ii) in superstructure upto floor two level	6,301.00	Cu.M.
	(iii) Extra over rate for (b)(ii) above for superstructure above floor two level	63.00	per floor per Cu.M.
	(c) <u>Set in cement mortar (1:6)</u>		
	(i) in foundation & plinth	5,811.00	Cu.M.
	(ii) in superstructure upto floor two level	6,209.00	Cu.M.
	(iii) Extra over rate for (c)(ii) above for superstructure above floor two level	62.00	per floor per Cu.M.

VI - Brick Work

Sr. No.	Item Description	Rate in `	Unit
3	Providing brick-nogged wall with Conventional/ IS type bricks half brick thick on any floor set in CM (1:4) including scaffolding watering etc. complete as directed but excluding RCC stiffeners (RCC stiffeners will be provided as per specifications but will be measured and paid separately under the relevant items of concrete and reinforcement. The area of RCC stiffeners will be deducted from the measurement of this item).	714.00	Sq.M.
4	Providing Brick-on-edge wall set in CM (1:4) in teak wood frame work including scaffolding, watering etc. complete (Teak wood work will be measured and paid for separately).	413.00	Sq.M.
5	Providing Brick masonry in the walls of underground tank set in CM (1:3) with approved waterproofing compound to Maker's specifications including scaffolding, watering etc. complete as directed.		
	(a) one brick thick	1,477.00	Sq.M.
	(b) greater than one brick thick	6,423.00	Cu.M.
6	Making holes in masonry for exhaust fan of size 450 to 530 mm, finishing the same by CM (1:3) and fixing the frame etc. complete as directed.	474.00	Each
7	Providing Siporex block masonry with Siporex blocks of any size and thickness set in CM (1:4) of approved manufacturer including scaffolding, watering etc. complete as directed.		
	(a) in superstructure upto floor two level	9,024.00	Cu.M.
	(b) Extra over rate for (b) above for superstructure above floor two level	90.00	per floor per Cu.M.

Rates for Scaffolding:**Section-VI**

Consider Wall Size: 8 X 4 Mtrs.

Bamboos required:

Verticals each 4.5 Mtrs. long - 9 Nos.

Horizontal each 10.00 Mtrs. long - 2 Nos.

Cross members 0.75 Mtrs. long - 18 Nos.

=	40.50	Mtrs.
=	20.00	Mtrs.
=	13.50	Mtrs.
Total =	74.00	Mtrs.

Planks 0.30 Mtr. wide, 4 Mtrs. long & 0.025 Mtr. thick - 2 Nos.

Cost of plank = ` 1062.66

Assuming 16 uses of plank

Cost per use = ` 66.42 (A)

74 Mtrs. Bamboo @ ` 16.36 per Mtr. (`90/- for 5.5 Mtrs. long bamboo)

= ` 1,210.64

Assuming 10 uses of bamboo

Cost per use = ` 121.06 (B)

(A)+(B) = ` 187.48

Add: Sundries @1% = ` 1.87

Total = ` 189.36 (C)

Labour:

2 skilled persons for one day @ ` 525.00 per head = ` 1050.00

2 unskilled persons for one day @ ` 478.85 per head = ` 957.70

Total ` 2,007.70

Allowance for PF @13.71% ` 275.26

Allowance for ESIC @4.75% ` 95.37

Total labour charges = ` 2378.32 (D)

Total = (C)+(D) = 189.36 + 2378.32 = ` 2567.68

This is for an area of 8 X 4 Mtrs. = 32.00 Sq.M.

Therefore rate per Sq.M. = 80.24

Say ` 80.00 per Sq.M.

Add in Extra over rate for scaffolding over floor two level = ` 7.00 per Sq.M.

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(a) set in cement mortar (1:4)
(i) in foundation & plinth

Corresponding Item No. 1a(i) of Section -VI of MbPT SOR 2014
New Item No. 1a(i) of Section -VI
NBO Ref. No.6.11 Page:167 Vol:I

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt clay bricks	475.00	Nos.	5.08	2415.26	1.	Mason I	0.41	No.	540.38	221.56	
2.	Cement mortar (1:4)	0.24	Cu.M.	5984.00	1436.16	2.	Mason II	0.41	No.	525.00	215.25	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor-Male	1.60	No.	478.85	766.16	
						4.	Bhisti	0.20	No.	478.85	95.77	
TOTAL (M) =					3901.42	TOTAL (L) =					1298.74	

Total of (M) + (L) = (I) = ` 5200.16

Add: Allowance for Water charges @1% of (I) = ` 52.00

Add: Allowance for PF @13.61% of (L) = ` 176.76

Add: Allowance for Employee' insurance @4.75% of (L) = ` 61.69

Total of allowances = (II) = ` 290.45

Say ` 6011.00 per Cu.M.

Since brick length is 9" nominal = 228.60 mm say 230 mm
Rate per Sq. M. = 0.23 X 6011 = 1382.53

Say ` 1383.00 per Sq.M.

Total = (I) + (II) = (III) = ` 5490.61

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 520.02

Grand Total = (III)+(IV)= ` 6010.62

This is cost for 1.000 Cu.M.

Therefore, Unit cost = 6010.62 ÷ 1.00 = ` 6010.62

Rate Analysis for 1.000 Sq.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(a) set in cement mortar (1:4)
(ii) in superstructure upto floor two level

Corresponding Item No. 1a(ii) of Section -VI of MbPT SOR 2014
New Item No. 1a(ii) of Section -VI
NBO Ref. No.6.19 Page:170 Vol:I

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Scaffolding (Rate as per above) Rate per Cu.M. =	1 0.23	Sq.M.	80.00 80.00			Per Cu.M.					
					347.83	1.	Mason I	0.08	No.	540.38	43.23	
						2.	Mason II	0.08	No.	525.00	42.00	
						3.	Mazdoor	0.33	No.	478.85	158.02	
TOTAL (M) =					347.83	TOTAL (L) =					243.25	

Total of (M) + (L) = (I) = ` 591.08
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 33.11
Add: Allowance for Employee' insurance @4.75% of (L) = ` 11.55
Total of allowances = (II) = ` 44.66
Therefore, Rate per Sq.M. = 700.62 X 0.23 = 159.81
Basis cost for Brick masonry in C.M. (1:4) = 1383.00
(Item 1a(i) of Section-VI above)
Cost of scaffolding (as above) = 160.00
Total = 1543.00

Total = (I) + (II) = (III) = ` 635.74
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 59.11
Grand Total = (III)+(IV)= ` 694.85
This is cost for 1.00 Cu.M.
Say ` 160.00 per Sq.M.
per Sq.M.
per Sq.M.

Say ` 1543.00 per Sq.M.

Rate Analysis for 1.000 Sq.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(a) set in cement mortar (1:4)
(iii) Extra over rate for super structure above floor two level

Corresponding Item No. 1a(iii) of Section -VI of MbPT SOR 2014
 New Item No. 1a(iii) of Section -VI
 NBO Ref. No.6.19 Page:170 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
	Rate for Item 1a(ii) above Consider,1% of this rate for extra rate	1.00	Sq.M.	1543.00	15.43							
TOTAL (M) =					15.43	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 15.43

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say ` 17.00 per floor per Sq.M.

Total = (I) + (II) = (III) = ` 15.43

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1.54

Grand Total = (III)+(IV)= ` 16.97

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 16.97 ÷ 1.0 = ` 16.97

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(b) set in cement mortar (1:5)
(i) in foundation and plinth

Corresponding Item No. 1b(i) of Section -VI of MbPT SOR 2014
 New Item No. 1b(i) of Section -VI
 NBO Ref. No.6.12 Page:167 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt bricks	475	Nos.	5.08	2415.26	1.	Mason I	0.41	No.	540.38	221.56	
2.	Cement mortar (1:5)	0.240	Cu.M.	5581.00	1339.44	2.	Mason II	0.41	No.	525.00	215.25	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor	1.60	No.	478.85	766.16	
						4.	Bhisti	0.20	No.	478.85	95.77	
TOTAL (M) =					3804.70	TOTAL (L) =					1298.74	

Total of (M) + (L) = (I) = ` 5103.44

Add: Allowance for Water charges @1% of (I) = ` 51.03

Add: Allowance for PF @13.61% of (L) = ` 176.76

Add: Allowance for Employee' insurance @4.75% of (L) = ` 61.69

Total of allowances = (II) = ` 289.48

Since brick length is 9" nominal = 228.60 mm say 230 mm
 Rate per Sq. M.= 0.23 X 5903 = 1357.69

Say ` 5903.00 per Cu.M.

Say ` 1358.00 per Sq.M.

Total = (I) + (II) = (III) = ` 5392.92

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 510.34

Grand Total = (III)+(IV)= ` 5903.26

This is cost for 1.00 Cu.M.

Therefore, Unit cost = 5903.26 ÷ 1.000 = ` 5903.26

Rate Analysis for 1.000 Sq.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(b) set in cement mortar (1:5)
(ii) in super structure upto floor two level

Corresponding Item No. 1b(ii) of Section -VI of MbPT SOR 2014
New Item No. 1b(ii) of Section -VI
NBO Ref. No.6.12 Page:167 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cost of brick masonry work in CM (1:5) as per Item 1b(i) above											
2.	Scaffolding	1.000	Sq.M.	80.00	80.00							
3.	Sundries		Lumpsum		20.00							

TOTAL (M) = 100.00

TOTAL (L) =

Total of (M) + (L) = (I) = 100.00 Total = (I) + (II) = = (III)= 100.00

Add: for Water charges @1% of (I) (II) = Nil Add: Contractor's over-heads & profit @10% of (I) (IV)= 10.00

Total = (I) + (II) = (III) = 100.00 Grand Total = (III)+(IV)= 110.00

This is cost for 1.00 Sq.M.

Therefore, Unit cost = 110.00 ÷ 1.00 = 110.00

Cost of scaffolding, sundries = 110.00 per Sq.M.
Cost of brick masonry = 1358.00 per Sq.M.
(Item 1b(i) above)
Total = 1468.00

Say 1468.00 per Sq.M.

Rate Analysis for 1.000 Sq.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(b) set in cement mortar (1:5)
(iii) Extra over rate for superstructure above floor two level

Corresponding Item No. 1b(iii) of Section -VI of MbPT SOR 2014
 New Item No. 1b(iii) of Section -VI
 NBO Ref. No.6.12 Page:167 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
	Rate for Item 1b(ii) above Consider,1% of this rate for extra rate	1.00	Sq.M.	1468.00	14.68							
TOTAL (M) = `					14.68	TOTAL (L) = `						

Total of (M) + (L) =	(I) = `	14.68	Total = (I) + (II) =	=	(III)= `	14.68
Add: for Water charges @1% of (I)	(II) = `	Nil	Add: Contractor's over-heads & profit @10% of (I)	=	(IV)= `	Nil
Total = (I) + (II) =	(III) = `	14.68	Grand Total	=	(III)+(IV)= `	14.68
This is cost for 1.00 Sq.M.						
Therefore, Unit cost =						
14.68 ÷ 1.0 = ` 14.68						
Say ` 15.00 per floor per Sq.M.						

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(c) set in cement mortar (1:6)
(i) in foundation and plinth

Corresponding Item No. 1c(i) of Section -VI of MbPT SOR 2014
New Item No. 1c(i) of Section -VI
NBO Ref. No.6.12 Page:167 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt bricks	475	Nos.	5.08	2415.26	1.	Mason I	0.41	No.	540.38	221.56	
2.	Cement mortar (1:6)	0.240	Cu.M.	5235.00	1256.40	2.	Mason II	0.41	No.	525.00	215.25	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor	1.60	No.	478.85	766.16	
						4.	Bhisti	0.20	No.	478.85	95.77	
TOTAL (M) =					3721.66	TOTAL (L) =					1298.74	

Total of (M) + (L) = (I) = ` 5020.40

Add: Allowance for Water charges @1% of (I) = ` 50.20

Add: Allowance for PF @13.61% of (L) = ` 176.76

Add: Allowance for Employee' insurance @4.75% of (L) = ` 61.69

Total of allowances = (II) = ` 288.65

Since brick length is 9" nominal = 228.60 mm say 230 mm
Rate per Sq. M.= 0.23 X 5811 = 1336.53

Say ` 5811.00 per Cu.M.

Say ` 1337.00 per Sq.M.

Total = (I) + (II) = (III) = ` 5309.05

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 502.04

Grand Total = (III)+(IV)= ` 5811.09

This is cost for 1.00 Cu.M.

Therefore, Unit cost = 5811.09 ÷ 1.00 = ` 5811.09

Rate Analysis for 1.000 Sq.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(c) set in cement mortar (1:6)
(ii) in super structure upto floor two level

Corresponding Item No. 1c(ii) of Section -VI of MbPT SOR 2014
 New Item No. 1c(ii) of Section -VI
 NBO Ref. No.6.12 Page:167 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cost of brick masonry work in CM (1:5) as per Item 1c(i) above											
2.	Scaffolding	1.000	Sq.M.	80.00	80.00							
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =					100.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 100.00 Total = (I) + (II) = = (III)= ` 100.00

Add: for Water charges charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` 10.00

Total = (I) + (II) = (III) = ` 100.00 Grand Total = (III)+(IV)= ` 110.00

This is cost for 1.00 Sq.M.

Therefore, Unit cost = 110.00 ÷ 1.00 = ` 110.00

Cost of scaffolding, sundries = 110.00 per Sq.M.
 Cost of brick masonry = 1337.00 per Sq.M.
 (Item 1c(i) above)
 Total = 1447.00 per Sq.M.

Say ` 1447.00 per Sq.M.

Rate Analysis for 1.000 Sq.M. of Item:
Brick masonry one brick thick including scaffolding etc.
(c) set in cement mortar (1:6)
(iii) Extra over rate for superstructure above floor two level

Corresponding Item No. 1c(iii) of Section -VI of MbPT SOR 2014
 New Item No. 1c(iii) of Section -VI
 NBO Ref. No.6.12 Page:167 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
	Rate for Item 1c(ii) above Consider,1% of this rate for extra rate	1.00	Sq.M.	1447.00	14.47							
TOTAL (M) =					14.47	TOTAL (L) =						

Total of (M) + (L) =	(I) =	`	14.47	Total = (I) + (II) =	=	(III)=	`	14.47
<u>Add:</u> for Water charges @1% of (I)	(II) =	`	Nil	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	=	(IV)=	`	Nil
Total = (I) + (II) =	(III) =	`	14.47	Grand Total	=	(III)+(IV)=	`	14.47
This is cost for 1.00 Sq.M.								
Therefore, Unit cost								
	14.47	÷	1.0	=				14.47
Say ` 14.00 per floor per Sq.M.								

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(a) set in cement mortar (1:4)
(i) in foundation & plinth

Corresponding Item No. 2a(i) of Section -VI of MbPT SOR 2014
New Item No. 2a(i) of Section -VI
NBO Ref. No.6.11 Page:167 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt clay bricks	475.00	Nos.	5.08	2415.26	1.	Mason I	0.41	No.	540.38	221.56	
2.	Cement mortar (1:4)	0.24	Cu.M.	5984.00	1436.16	2.	Mason II	0.41	No.	525.00	215.25	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor	1.60	No.	478.85	766.16	
						4.	Bhisti	0.20	No.	478.85	95.77	
TOTAL (M) =					3901.42	TOTAL (L) =					1298.74	

Total of (M) + (L) = (I) = ` 5200.16

Add: Allowance for Water charges @1% of (I) = ` 52.00

Add: Allowance for PF @13.61% of (L) = ` 176.76

Add: Allowance for Employee' insurance @4.75% of (L) = ` 61.69

Total of allowances = (II) = ` 290.45

Say ` 6011.00 per Cu.M.

Total = (I) + (II) = (III) = ` 5490.61

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 520.02

Grand Total = (III)+(IV)= ` 6010.62

This is cost for 1.000 Cu.M.

Therefore, Unit cost = 6010.62 ÷ 1.00 = ` 6010.62

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(a) set in cement mortar (1:4)
(ii) in superstructure upto floor two level

Corresponding Item No. 2a(ii) of Section -VI of MbPT SOR 2014
New Item No. 2a(ii) of Section -VI
NBO Ref. No.6.19 Page:170 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cost of brick masonry work in CM (1:4) (Item 2a(i) above)	1.000	Cu.M.	6011.00	6011.00							
2.	Scaffolding cost (As per Item 1a(ii) above)	1.000	Cu.M.	347.83	347.83							
3.	Sundries		Lumpsum		50.00							
TOTAL (M) =					6408.83	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 6408.83

Add: for Water charges @1% of (I) (II) = ` Nil

Total = (I) + (II) = (III) = ` 6408.83

Total = (I) + (II) = = (III) = ` 6408.83

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` Nil

Grand Total = (III)+(IV) = ` 6408.83

This is cost for 1.00 Cu.M.

Therefore, Unit cost = $\frac{6408.83}{1.00} = ` 6408.83$

Say ` 6409.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(a) set in cement mortar (1:4)
(iii) Extra over rate for superstructure above floor two level

Corresponding Item No. 2a(iii) of Section -VI of MbPT SOR 2014
 New Item No. 2a(iii) of Section -VI
 NBO Ref. No.6.12 Page:167 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
	Rate for Item 2a(ii) above Consider,1% of this rate for extra rate	1.00	Sq.M.	6409.00	64.09							
TOTAL (M) =					64.09	TOTAL (L) =						

Total of (M) + (L) =	(I) =	`	64.09	Total = (I) + (II) =	=	(III)=	`	64.09
<u>Add:</u> for Water charges @1% of (I)	(II) =	`	Nil	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	=	(IV)=	`	Nil
Total = (I) + (II) =	(III) =	`	64.09	Grand Total	=	(III)+(IV)=	`	64.09
This is cost for 1.00 Cu.M.								
Therefore, Unit cost								
	64.09	÷	1.0	=				64.09
Say ` 64.00 per floor per Cu.M.								

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(b) set in cement mortar (1:5)
(i) in foundation & plinth

Corresponding Item No. 2b(i) of Section -VI of MbPT SOR 2014
New Item No. 2b(i) of Section -VI
NBO Ref. No.6.11 Page:167 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt clay bricks	475.00	Nos.	5.08	2415.26	1.	Mason I	0.41	No.	540.38	221.56	
2.	Cement mortar (1:5)	0.24	Cu.M.	5581.00	1339.44	2.	Mason II	0.41	No.	525.00	215.25	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor	1.60	No.	478.85	766.16	
						4.	Bhisti	0.20	No.	478.85	95.77	
TOTAL (M) = `					3804.70	TOTAL (L) = `					1298.74	

Total of (M) + (L) = (I) = ` 5103.44

Add: Allowance for Water charges @1% of (I) = ` 51.03

Add: Allowance for PF @13.61% of (L) = ` 176.76

Add: Allowance for Employee' insurance @4.75% of (L) = ` 61.69

Total of allowances = (II) = ` 289.48

Say ` 5903.00 per Cu.M.

Total = (I) + (II) = (III) = ` 5392.92

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 510.34

Grand Total = (III)+(IV)= ` 5903.26

This is cost for 1.000 Cu.M.

Therefore, Unit cost = 5903.26 ÷ 1.00 = ` 5903.26

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(b) set in cement mortar (1:5)
(ii) in superstructure upto floor two level

Corresponding Item No. 2b(ii) of Section -VI of MbPT SOR 2014
New Item No. 2b(ii) of Section -VI
NBO Ref. No.6.19 Page:170 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cost of brick masonry work in CM (1:5) (Item 2b(i) above)	1.000	Cu.M.	5903.00	5903.00							
2.	Scaffolding cost (As per Item 1a(ii) above)	1.000	Cu.M.	347.83	347.83							
3.	Sundries		Lumpsum		50.00							
TOTAL (M) =					6300.83	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 6300.83

Add: for Water charges @1% of (I) (II) = ` Nil

Total = (I) + (II) = (III) = ` 6300.83

Total = (I) + (II) = = (III)= ` 6300.83

Add: Contractor's over-heads & profit @10% of (I) (IV)= ` Nil

Grand Total = (III)+(IV)= ` 6300.83

This is cost for 1.00 Cu.M.

Therefore, Unit cost = $\frac{6300.83}{1.00} = ` 6300.83$

Say ` 6301.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(b) set in cement mortar (1:5)
(iii) Extra over rate for superstructure above floor two level

Corresponding Item No. 2b(iii) of Section -VI of MbPT SOR 2014
 New Item No. 2b(iii) of Section -VI
 NBO Ref. No.6.12 Page:167 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
	Rate for Item 2b(ii) above Consider,1% of this rate for extra rate	1.00	Sq.M.	6301.00	63.01							
TOTAL (M) =					63.01	TOTAL (L) =						

Total of (M) + (L) =	(I) =	`	63.01	Total = (I) + (II) =	=	(III)=	`	63.01
<u>Add:</u> for Water charges @1% of (I)	(II) =	`	Nil	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	=	(IV)=	`	Nil
Total = (I) + (II) =	(III) =	`	63.01	Grand Total	=	(III)+(IV)=	`	63.01
This is cost for 1.00 Cu.M.								
Therefore, Unit cost								
	63.01	÷	1.0	=				63.01
Say ` 63.00 per floor per Cu.M.								

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(c) set in cement mortar (1:6)
(i) in foundation and plinth

Corresponding Item No. 2c(i) of Section -VI of MbPT SOR 2014
New Item No. 2c(i) of Section -VI
NBO Ref. No.6.12 Page:167 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt bricks	475	Nos.	5.08	2415.26	1.	Mason I	0.41	No.	540.38	221.56	
2.	Cement mortar (1:6)	0.240	Cu.M.	5235.00	1256.40	2.	Mason II	0.41	No.	525.00	215.25	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor	1.60	No.	478.85	766.16	
						4.	Bhisti	0.20	No.	478.85	95.77	
TOTAL (M) = `					3721.66	TOTAL (L) = `					1298.74	

Total of (M) + (L) =	(I)	= `	5020.40	Total = (I) + (II) =	(III)	= `	5309.05
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	50.20	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	502.04
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	176.76	Grand Total	=	(III)+(IV)= `	5811.09
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	61.69	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	288.65	Therefore, Unit cost	=		
				5811.09	÷	1.00	= ` 5811.09
			Say `	5811.00	per	Cu.M.	

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(c) set in cement mortar (1:6)
(ii) in superstructure upto floor two level

Corresponding Item No. 2c(ii) of Section -VI of MbPT SOR 2014
New Item No. 2c(ii) of Section -VI
NBO Ref. No.6.19 Page:170 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cost of brick masonry work in CM (1:6) (Item 2c(i) above)	1.000	Cu.M.	5811.00	5811.00							
2.	Scaffolding cost (As per Item 1a(ii) above)	1.000	Cu.M.	347.83	347.83							
3.	Sundries		Lumpsum		50.00							
TOTAL (M) =					6208.83	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 6208.83

Add: for Water charges @1% of (I) (II) = ` Nil

Total = (I) + (II) = (III) = ` 6208.83

Total = (I) + (II) = = (III)= ` 6208.83

Add: Contractor's over-heads & profit @10% of (I) (IV)= ` Nil

Grand Total = (III)+(IV)= ` 6208.83

This is cost for 1.00 Cu.M.

Therefore, Unit cost = $\frac{6208.83}{1.00} = \text{` } 6208.83$

Say ` 6209.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
Brick masonry of greater than one brick thick including scaffolding etc.
(c) set in cement mortar (1:6)
(iii) Extra over rate for superstructure above floor two level

Corresponding Item No. 2c(iii) of Section -VI of MbPT SOR 2014
 New Item No. 2c(iii) of Section -VI
 NBO Ref. No.6.12 Page:167 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
	Rate for Item 2c(ii) above Consider, 1% of this rate for extra rate	1.00	Sq.M.	6209.00	62.09							
TOTAL (M) =					62.09	TOTAL (L) =						

Total of (M) + (L) =	(I) =	`	62.09	Total = (I) + (II) =	=	(III) =	`	62.09
<u>Add:</u> for Water charges @1% of (I)	(II) =	`	Nil	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	=	(IV) =	`	Nil
Total = (I) + (II) =	(III) =	`	62.09	Grand Total	=	(III)+(IV) =	`	62.09
This is cost for 1.00 Cu.M.								
Therefore, Unit cost								
	62.09	÷	1.0	=				62.09
Say ` 62.00 per floor per Cu.M.								

Rate Analysis for 10.000 Sq.M. of Item:
Half brick thick wall on any floor set in C.M. (1:4) including scaffolding etc.

Corresponding Item No. 3 of Section -VI of MbPT SOR 2014
 New Item No. 3 of Section -VI
 NBO Ref. No.6.30 Page:175 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt bricks	565	Nos.	5.08	2872.89	1.	Mason I	0.42	No.	540.38	226.96	
2.	Cement mortar (1:4)	0.280	Cu.M.	5984.00	1675.52	2.	Mason II	0.42	No.	525.00	220.50	
3.	Sundries		Lumpsum		75.00	3.	Mazdoor	1.60	No.	478.85	766.16	
						4.	Bhisti	0.70	No.	478.85	335.20	
TOTAL (M) =					4623.41	TOTAL (L) =					1548.81	

Total of (M) + (L) =	(I)	= `	6172.22	Total = (I) + (II) =	(III)	= `	6518.31
<u>Add</u> : Allowance for Water charges @1% of (I)		= `	61.72	<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	617.22
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	210.79	Grand Total	=	(III)+(IV)= `	7135.53
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	73.57	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	346.08	Therefore, Unit cost	=		
				7135.53 ÷ 10.0	= `		713.55
			Say `	714.00	per	Sq.M.	

Rate Analysis for 10.000 Sq.M. of Item:
Providing & Laying Brick on edge wall set in C.M. (1:4) etc.

Corresponding Item No. 4 of Section -VI of MbPT SOR 2014
 New Item No. 4 of Section -VI
 NBO Ref. No.6.30 Page:175 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt bricks	565	Nos.	5.08	2872.89	1.	Mason I	0.42	No.	540.38	226.96	
2.	Cement mortar (1:4)	0.280	Cu.M.	5984.00	1675.52	2.	Mason II	0.42	No.	525.00	220.50	
3.	Sundries		Lumpsum		75.00	3.	Mazdoor	1.60	No.	478.85	766.16	
						4.	Bhisti	0.70	No.	478.85	335.20	
TOTAL (M) =					4623.41	TOTAL (L) =					1548.81	

Total of (M) + (L) = (I) = ` 6172.22

Add: Allowance for Water charges @1% of (I) = ` 61.72

Add: Allowance for PF @13.61% of (L) = ` 210.79

Add: Allowance for Employee' insurance @4.75% of (L) = ` 73.57

Total of allowances = (II) = ` 346.08

For Brick on edge: $\frac{2.75}{4.75}$ X 714.00

Say Rs.
 = Rs.
Say `

Total = (I) + (II) = (III) = ` 6518.31

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 617.22

Grand Total = (III)+(IV)= ` 7135.53

This is cost for 10.00 Sq.M.

Therefore, Unit cost = $\frac{7135.53}{10.0}$ = ` 713.55

714.00 per Sq.M.
 413.37 per Sq.M.
413.00 per Sq.M.

Rate Analysis for 1.000 Cu.M. of Item:
Providing & Laying Brick masonry in the walls of under ground tanks set in CM (1:3) with approved waterproofing compound ... etc.
(a) One brick thick

Corresponding Item No. 5a of Section -VI of MbPT SOR 2014
 New Item No. 5a of Section -VI
 NBO Ref. No.6.14 Page:168 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt bricks	475	Nos.	5.08	2415.26	1.	Mason I	0.41	No.	540.38	221.56	
2.	Cement mortar (1:3)	0.240	Cu.M.	6734.00	1616.16	2.	Mason II	0.41	No.	525.00	215.25	
3.	Waterproofing compound 10 kgs./Cu.M. OR 10 cement bags for 0.24 Cu.M. i.e.2.4 kgs.	2.400	Kgs.	46.61	111.86	3.	Mazdoor	1.60	No.	478.85	766.16	
4.	Scaffolding cost (As per Item 1a(ii) above)	0.230	Cu.M.	347.83	80.00	4.	Bhisti	0.20	No.	478.85	95.77	
5.	Sundries		Lumpsum		50.00							
TOTAL (M) =					4273.29	TOTAL (L) =					1298.74	

Total of (M) + (L) =	(I)	= `	5572.02	Total = (I) + (II) =	(III)	= `	5866.19
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	55.72	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	557.20
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	176.76	Grand Total =	(III)+(IV)=	`	6423.39
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	61.69	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	294.17	Therefore, Unit cost	6423.39	÷	1.00 = ` 6423.39
			Say `	6423.00	per	Cu.M.	
			Say `	1477.00	per	Sq.M.	

Since brick length is 9" nominal = 228.60 mm say 230 mm
 Rate per Sq. M. = 0.23 X 6423 = 1477.29

Rate Analysis for 1.000 Cu.M. of Item:
Providing & Laying Brick masonry in the walls of under ground tanks set in CM (1:3) with approved waterproofing compound ... etc.,
(b) Greater than one brick thick

Corresponding Item No. 5b of Section -VI of MbPT SOR 2014
 New Item No. 5b of Section -VI
 NBO Ref. No.6.14 Page:168 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Common burnt bricks	475	Nos.	5.08	2415.26	1.	Mason I	0.41	No.	540.38	221.56	
2.	Cement mortar (1:3)	0.240	Cu.M.	6734.00	1616.16	2.	Mason II	0.41	No.	525.00	215.25	
3.	Waterproofing compound 10 kgs./Cu.M. OR 10 cement bags for 0.24 Cu.M. i.e.2.4 kgs.	2.400	Kgs.	46.61	111.86	3.	Mazdoor	1.60	No.	478.85	766.16	
4.	Scaffolding cost (As per Item 1a(ii) above)	0.230	Cu.M.	347.83	80.00	4.	Bhisti	0.20	No.	478.85	95.77	
5.	Sundries		Lumpsum		50.00							
TOTAL (M) = `					4273.29	TOTAL (L) = `					1298.74	

Total of (M) + (L) =	(I)	= `	5572.02	Total = (I) + (II) =	(III)	= `	5866.19
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	55.72	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	557.20
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	176.76	Grand Total	=	(III)+(IV)= `	6423.39
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	61.69	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	294.17	Therefore, Unit cost	6423.39	÷	1.00 = ` 6423.39
			Say ` 6423.00			per Cu.M.	

Rate Analysis for 6.000 Nos. of Item:
Making holes in masonry for exhaust fan of size 450mm to 530mm, finishing the same by CM (1:3) and fixing the frame etc.

Corresponding Item No. 6 of Section -VI of MbPT SOR 2014
 New Item No. 6 of Section -VI
 NBO Ref. No.6.30 Page:175 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cement - 1 bag	0.05	MT	5762.73	288.14	1.	Mason I	1.00	No.	540.38	540.38	
2.	Sand	0.150	Cu.M.	2994.92	449.24	2.	Mazdoor	2.00	No.	478.85	957.70	
3.	Miscellaneous tools, tackles etc.		Lumpsum		80.00							
TOTAL (M) =					817.37	TOTAL (L) =					1498.08	

Total of (M) + (L) =	(I)	= `	2315.45	Total = (I) + (II) =	(III)	= `	2613.66
Add: Allowance for Water charges @1% of (I)		= `	23.15	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	231.55
Add: Allowance for PF @13.61% of (L)		= `	203.89	Grand Total	=	(III)+(IV)= `	2845.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	71.16	This is cost for 6.00 Nos.			
Total of allowances =	(II)	= `	298.20	Therefore, Unit cost	=		
				2845.20 ÷ 6.00	= `	474.20	
			Say `	474.00	per	Each	

Rate Analysis for 1.000 Cu.M. of Item:
Providing Siporex block masonry of any size and thickness in CM (1:4) etc.
(b) in superstructure upto floor two level

Corresponding Item No. --- of Section -VI of MbPT SOR 2014
 New Item No. 7(a) of Section -VI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Cost of Siporex masonry work in CM (1:4) (See ATTACHMENT - Next sheet)	1.000	Cu.M.	8574.00	8574.00							
2.	Scaffolding cost		Lumpsum		400.00							
3.	Sundries		Lumpsum		50.00							
TOTAL (M) =					9024.00	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 9024.00 Total = (I) + (II) = = (III)= ` 9024.00

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 9024.00 Grand Total = (III)+(IV)= ` 9024.00

This is cost for 1.00 Cu.M.

Therefore, Unit cost =
 9024.00 ÷ 1.00 = ` 9024.00

Say ` 9024.00 per Cu.M.

ATTACHMENT to Item No.7(a)

Rate Analysis for 1.000 Cu.M. of Item:
Providing Siporex block masonry of any size and thickness in CM (1:4) etc.

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Siporex blocks	1.05	Cu.M.	4613.57	4844.25	1.	Mason I	0.41	No.	540.38	221.56	
	Wastage - 5%					2.	Mason II	0.41	No.	525.00	215.25	
2.	Cement mortar (1:4)	0.22	Cu.M.	5984.00	1316.48	3.	Mazdoor	1.60	No.	478.85	766.16	
3.	Sundries		Lumpsum		50.00	4.	Bhisti	0.20	No.	478.85	95.77	
TOTAL (M) = `					6210.73	TOTAL (L) = `					1298.74	

Total of (M) + (L) =	(I)	= `	7509.47	Total = (I) + (II) =	(III)	= `	7823.01
Add: Allowance for Water charges @1% of (I)		= `	75.09	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	750.95
Add: Allowance for PF @13.61% of (L)		= `	176.76	Grand Total	=	(III)+(IV)= `	8573.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `	61.69	This is cost for	1.000	Cu.M.	
Total of allowances =	(II)	= `	313.54	Therefore, Unit cost	=		
				8573.96	÷	1.00	= ` 8573.96
			Say `	8574.00	per	Cu.M.	

Rate Analysis for 1.000 Cu.M. of Item:
Providing Siporex block masonry of any size and thickness in CM (1:4) etc.
(c) Extra over rate for superstructure above floor two level

Corresponding Item No. --- of Section -VI of MbPT SOR 2014
 New Item No. 7(b) of Section -VI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
	Rate for Item 7(a) above Consider,1% of this rate for extra rate	1.00	Sq.M.	9024.00	90.24							
TOTAL (M) =					90.24	TOTAL (L) =						

Total of (M) + (L) = (I) = ` 90.24 Total = (I) + (II) = = (III)= ` 90.24

Add: for Water charges @1% of (I) (II) = ` Nil Add: Contractor's over-heads & profit @10% of (I) = (IV)= ` Nil

Total = (I) + (II) = (III) = ` 90.24 Grand Total = (III)+(IV)= ` 90.24

This is cost for 1.00 Cu.M.

Therefore, Unit cost =
 90.24 ÷ 1.0 = ` 90.24

Say ` 90.00 per floor per Cu.M.

VII - Stone Work

Sr. No.	Item Description	Rate in `	Unit
1	Providing Random rubble masonry below ground level with trap stone set in cement mortar (1:6) including bailing out water manually, curing etc. complete as directed.	4,638.00	Cu.M.
2	Providing Random rubble masonry above ground level with trap stone, set in cement mortar (1:6) including scaffolding, curing etc. complete.	4,704.00	Cu.M.
3	Providing Random rubble masonry with trap stone, in pillars, below ground level, set in cement mortar (1:6) including bailing out water manually, curing etc. complete as directed.	5,179.00	Cu.M.
4	Providing Random rubble masonry with trap stone, in pillars, above ground level, set in cement mortar (1:6) including bailing out water manually, scaffolding, curing etc. complete as directed.	5,588.00	Cu.M.
5	Providing Random rubble masonry below ground level using stones, supplied by MbPT at site, set in cement mortar (1:6) including bailing out water manually, curing etc. complete as directed.	3,578.00	Cu.M.
6	Providing Random rubble masonry above ground level using stones, supplied by MbPT at site, set in cement mortar (1:6) including bailing out water manually, scaffolding, curing etc. complete.	4,119.00	Cu.M.
7	Providing Coursed rubble masonry (second sort) in trap stone, below ground level set in cement mortar (1:6) including bailing out water manually, curing etc. complete as directed.	5,589.00	Cu.M.
8	Providing Coursed rubble masonry (second sort) in trap stone, above ground level, set in cement mortar (1:6) including scaffolding, curing etc. complete.	5,973.00	Cu.M.
9	Providing Coursed rubble masonry in trap stone in cement mortar (1:4) in dock walls, with Ashlar facing including scaffolding, curing etc. complete as directed.	22,941.00	Cu.M.
10	Providing Coursed rubble masonry using stones supplied by MbPT at site, set in cement mortar (1:4) in dock walls, with Ashlar facing including scaffolding, curing etc. complete as directed.	10,861.00	Cu.M.
11	Fixing granite coping stones supplied at site by MbPT in dock walls, set in cement mortar (1:4) including curing etc. complete as directed.	11,279.00	Cu.M.

VII - Stone Work

Sr. No.	Item Description	Rate in `	Unit
12	Providing and laying pre-cast RCC M20 grade (1:1.5:3) through/ header blocks of 200 X 200 mm with 4 Nos. 8 mm dia. longitudinal HYSD steel bars and 8 mm dia. stirrups 200 mm spacing including cost of consolidating, watering, curing etc. complete as directed.	702.00	Mtr.

Rate Analysis for 1.000 Cu.M. of Item:
Constructing random rubble masonry with trap stones below GL in CM (1:6) including curing etc.

Corresponding Item No. 1 of Section -VII of MbPT SOR 2014
 New Item No. 1 of Section -VII
 NBO Ref. No.7.5 Page:198 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	1.000	Cu.M.	538.98	538.98	1.	Mason III	0.870	No.	498.08	433.33	
2.	Through stone	7.000	Nos.	59.32	415.26	2.	Mazdoor-Male	0.947	No.	478.85	453.47	
3.	Cement mortar (1:6)	0.330	Cu.M.	4725.25	1559.33	3.	Mazdoor-Female	0.710	No.	478.85	339.98	
	(Material cost of CM 1:6)					4.	Bhisti	0.070	No.	478.85	33.52	
4.	Sundries		Lumpsum		30.00		Labour cost of CM 1:6 - 0.33 Cu.M.				142.22	
TOTAL (M) =Rs.					2543.57	TOTAL (L) =Rs.					1402.52	

Total of (M) + (L) =	(I)	= `	3946.09	Total = (I) + (II) =	(III)	= `	4243.06
<u>Add</u> : Allowance for Water charges @1% of (I)		= `	39.46	<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	394.61
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	190.88	Grand Total	=	(III)+(IV)= `	4637.67
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	66.62	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	296.96	Therefore, Unit cost	=		
				4637.67	÷	1.00	=Rs. 4637.67
			Say Rs. 4638.00	per Cu.M.			

Rate Analysis for 1.000 Cu.M. of Item:
Constructing random rubble masonry with trap stones above GL in Cement mortar (1:6) including curing etc.

Corresponding Item No. 2 of Section -VII of MbPT SOR 2014
 New Item No. 2 of Section -VII
 NBO Ref. No.7.5 & 7.8 Page:198 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	1.000	Cu.M.	538.98	538.98	1.	Mason III	0.870	No.	498.08	433.33	
2.	Through stone	7.000	Nos.	59.322	415.26	2.	Mazdoor-Male	0.947	No.	478.85	453.47	
3.	Cement mortar (1:6) (Material cost of CM 1:6)	0.330	Cu.M.	4725.250	1559.33	3.	Mazdoor-Female	0.710	No.	478.85	339.98	
4.	Scaffolding		Lumpsum		60.00	4.	Bhisti	0.070	No.	478.85	33.52	
5.	Sundries		Lumpsum		30.00		Labour cost of CM 1:6 - 0.33 Cu.M.				142.22	
TOTAL (M) =Rs.					2603.57	TOTAL (L) =Rs.					1402.52	

Total of (M) + (L) =	(I)	= `	4006.09	Total = (I) + (II) =	(III)	= `	4303.66
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	40.06	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	400.61
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	190.88	Grand Total	=	(III)+(IV)= `	4704.27
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	66.62	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	297.56	Therefore, Unit cost	=		
				4704.27	÷	1.00	=Rs. 4704.27
			Say Rs. 4704.00	per Cu.M.			

Rate Analysis for 1.000 Cu.M. of Item:
**Constructing random rubble masonry with trap stones in Cement mortar (1:6) including curing etc.
in pillars below ground level**

Corresponding Item No. 3 of Section -VII of MbPT SOR 2014
New Item No. 3 of Section -VII
NBO Ref. No.7.5 & 7.10 Page:198 & 200 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	1.000	Cu.M.	538.98	538.98	1.	Mason III	0.870	No.	498.08	433.33	
2.	Through stone	7.000	Nos.	59.322	415.26	2.	Mazdoor-Male	0.947	No.	478.85	453.47	
3.	Cement mortar (1:6) (Material cost of CM 1:6)	0.330	Cu.M.	4725.250	1559.33	3.	Mazdoor-Female	0.710	No.	478.85	339.98	
4.	Sundries		Lumpsum		30.00	4.	Bhisti	0.070	No.	478.85	33.52	
						5.	Extra for pillars					
						a.	Mason III	0.580	No.	498.08	288.89	
						b.	Mazdoor-Female	0.270	No.	478.85	129.29	
							Labour cost of CM 1:6 - 0.33 Cu.M.				142.22	
TOTAL (M) =Rs.					2543.57	TOTAL (L) =Rs.					1820.70	

Total of (M) + (L) = (I) = ` 4364.27

Add: Allowance for Water charges @1% of (I) = ` 43.64

Add: Allowance for PF @13.61% of (L) = ` 247.80

Add: Allowance for Employee' insurance @4.75% of (L) = ` 86.48

Total of allowances = (II) = ` 377.92

Say Rs. 5179.00 per Cu.M.

Total = (I) + (II) = (III) = ` 4742.19

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 436.43

Grand Total = (III)+(IV)= ` 5178.62

This is cost for 1.00 Cu.M.

Therefore, Unit cost = 5178.62 ÷ 1.00 =Rs. 5178.62

Rate Analysis for 1.000 Cu.M. of Item:
**Constructing random rubble masonry with trap stones in Cement mortar (1:6) including curing etc.
in pillars above ground level**

Corresponding Item No. 4 of Section -VII of MbPT SOR 2014
New Item No. 4 of Section -VII
NBO Ref. No.7.5, 7.8 & 7.10 Page:198 & 200 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	1.000	Cu.M.	538.98	538.98	1.	Mason III	0.870	No.	498.08	433.33	
2.	Through stone	7.000	Nos.	59.322	415.26	2.	Mazdoor-Male	0.947	No.	478.85	453.47	
3.	Cement mortar (1:6)	0.330	Cu.M.	4725.250	1559.33	3.	Mazdoor-Female	0.710	No.	478.85	339.98	
	(Material cost of CM 1:6)					4.	Bhisti	0.070	No.	478.85	33.52	
4.	Sundries, scaffolding etc.		Lumpsum		30.00	5.	Extra for pillars					
						a.	Mason III	0.270	No.	498.08	134.48	
						b.	Mazdoor-Female	0.270	No.	478.85	129.29	
						c.	Mason III	0.580	No.	498.08	288.89	
						d.	Mazdoor-Male	0.380	No.	478.85	181.96	
							Labour cost of CM 1:6 - 0.33 Cu.M.				142.22	
TOTAL (M) =Rs.					2543.57	TOTAL (L) =Rs.					2137.14	

Total of (M) + (L) =	(I)	= `	4680.72	Total = (I) + (II) =	(III)	= `	5119.90
Add: Allowance for Water charges @1% of (I)		= `	46.81	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	468.07
Add: Allowance for PF @13.61% of (L)		= `	290.87	Grand Total	=	(III)+(IV)= `	5587.97
Add: Allowance for Employee' insurance @4.75% of (L)		= `	101.51	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	439.19	Therefore, Unit cost	=		
				5587.97	÷	1.00	=Rs. 5587.97
			Say Rs. 5588.00			per Cu.M.	

Rate Analysis for 1.000 Cu.M. of Item:
Constructing random rubble masonry below GL using MbPT stones available at site in Cement mortar (1:6) including curing etc.

Corresponding Item No. 5 of Section -VII of MbPT SOR 2014
 New Item No. 5 of Section -VII
 NBO Ref. No.7.5, 7.8 & 7.10 Page:198 & 200 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:6) (Material cost of CM 1:6)	0.330	Cu.M.	4725.250	1559.33	1.	Mason III	0.870	No.	498.08	433.33	
2.	Sundries		Lumpsum		30.00	2.	Mazdoor-Male	0.947	No.	478.85	453.47	
						3.	Mazdoor-Female	0.710	No.	478.85	339.98	
						4.	Bhisti	0.070	No.	478.85	33.52	
							Labour cost of CM 1:6 - 0.33 Cu.M.				142.22	
TOTAL (M) =Rs.					1589.33	TOTAL (L) =Rs.					1402.52	

Total of (M) + (L) =	(I)	= `	2991.85	Total = (I) + (II) =	(III)	= `	3279.28
<u>Add</u> : Allowance for Water charges @1% of (I)		= `	29.92	<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	299.19
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	190.88	Grand Total	=	(III)+(IV)= `	3578.46
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	66.62	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	287.42	Therefore, Unit cost	=		
				3578.46	÷	1.00	=Rs. 3578.46
			Say Rs. 3578.00	per Cu.M.			

Rate Analysis for 1.000 Cu.M. of Item:
Constructing random rubble masonry above GL in Cement mortar (1:6) including curing etc.
using MbPT stones available at site

Corresponding Item No. 6 of Section -VII of MbPT SOR 2014
 New Item No. 6 of Section -VII
 NBO Ref. No.7.5, 7.8 & 7.10 Page:198 & 200 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:6) (Material cost of CM 1:6)	0.330	Cu.M.	4725.250	1559.33	1.	Mason III	0.870	No.	498.08	433.33	
2.	Sundries, scaffolding etc.		Lumpsum		30.00	2.	Mazdoor-Male	0.947	No.	478.85	453.47	
						3.	Mazdoor-Female	0.710	No.	478.85	339.98	
						4.	Bhisti	0.070	No.	478.85	33.52	
						5.	Extra for pillars					
						a.	Mason III	0.580	No.	498.08	288.89	
						b.	Mazdoor-Female	0.270	No.	478.85	129.29	
							Labour cost of CM 1:6 - 0.33 Cu.M.				142.22	
TOTAL (M) =Rs.					1589.33	TOTAL (L) =Rs.					1820.70	

Total of (M) + (L) =	(I)	= `	3410.03	Total = (I) + (II) =	(III)	= `	3778.41
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	34.10	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	341.00
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	247.80	Grand Total	=	(III)+(IV)= `	4119.41
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	86.48	This is cost for	1.00 Cu.M.		
Total of allowances =	(II)	= `	368.38	Therefore, Unit cost	=		
				4119.41 ÷	1.00	=Rs.	4119.41
			Say Rs. 4119.00	per Cu.M.			

Rate Analysis for 1.000 Cu.M. of Item:
Constructing coursed rubble masonry (second sort) in trap stone below GL in Cement mortar (1:6)
including bailing out water manually, curing etc.

Corresponding Item No. 7 of Section -VII of MbPT SOR 2014
 New Item No. 7 of Section -VII
 NBO Ref. No.7.24 Page:206 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	1.210	Cu.M.	538.98	652.17	1.	Mason III	2.120	No.	498.08	1055.93	
2.	Through stone	7.000	Nos.	59.322	415.26	2.	Beldar	1.240	No.	478.85	593.77	
3.	Cement mortar (1:6)	0.300	Cu.M.	4725.250	1417.58	3.	Coolie	0.710	No.	478.85	339.98	
	(Material cost of CM 1:6)					4.	Bhisti	0.090	No.	478.85	43.10	
4.	Sundries		Lumpsum		30.00		Labour cost of CM 1:6 - 0.3 Cu.M.				129.29	
TOTAL (M) =Rs.					2515.00	TOTAL (L) =Rs.					2162.07	

Total of (M) + (L) =	(I)	= `	4677.07	Total = (I) + (II) =	(III)	= `	5120.80
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	46.77	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	467.71
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	294.26	Grand Total	=	(III)+(IV)= `	5588.51
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	102.70	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	443.73	Therefore, Unit cost	=		
				5588.51	÷	1.00	=Rs. 5588.51
			Say Rs. 5589.00	per Cu.M.			

Rate Analysis for 1.000 Cu.M. of Item:
Constructing coursed rubble masonry (second sort) in trap stone above GL in Cement mortar (1:6)
including curing etc.

Corresponding Item No. 8 of Section -VII of MbPT SOR 2014
 New Item No. 8 of Section -VII
 NBO Ref. No.7.24 & 7.25 Page:206 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	1.210	Cu.M.	538.98	652.17	1.	Mason III	2.120	No.	498.08	1055.93	
2.	Through stone	7.000	Nos.	59.322	415.26	2.	Beldar	1.240	No.	478.85	593.77	
3.	Cement mortar (1:6)	0.300	Cu.M.	4725.250	1417.58	3.	Coolie	0.710	No.	478.85	339.98	
	(Material cost of CM 1:6)					4.	Bhisti	0.090	No.	478.85	43.10	
4.	Sundries		Lumpsum		30.00		Additional					
						5.	Mason III	0.26	No.	498.08	129.50	
						6.	Mazdoor	0.35	No.	478.85	167.60	
							Labour cost of CM 1:6 - 0.3 Cu.M.				129.29	
TOTAL (M) =Rs.					2515.00	TOTAL (L) =Rs.					2459.17	

Total of (M) + (L) = (I) = ` 4974.17

Add: Allowance for Water charges @1% of (I) = ` 49.74

Add: Allowance for PF @13.61% of (L) = ` 334.69

Add: Allowance for Employee' insurance @4.75% of (L) = ` 116.81

Total of allowances = (II) = ` 501.25

Say Rs. 5973.00 per Cu.M.

Total = (I) + (II) = (III) = ` 5475.42

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 497.42

Grand Total = (III)+(IV)= ` 5972.84

This is cost for 1.00 Cu.M.

Therefore, Unit cost = 5972.84 ÷ 1.00 =Rs. 5972.84

Rate Analysis for 0.010 Cu.M. of Item:
Constructing coursed rubble masonry in trap stone above GL in Cement mortar (1:4) in dock walls with Ashlar facing including scaffolding, curing etc.

Corresponding Item No. 9 of Section -VII of MbPT SOR 2014
 New Item No. 9 of Section -VII
 NBO Ref. No.7.28 Page:202 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Trap stone	0.0133	Cu.M.	538.98	7.17	1.	Mason II	0.059	No.	525.00	30.98	
2.	Cement mortar (1:4) (Material cost of CM 1:4)	0.003	Cu.M.	5474.405	16.42	2.	Blacksmith III	0.006	No.	498.08	2.99	
3.	Sundries, scaffolding etc.		Lumpsum		1.00	3.	Mazdoor-Male	0.044	No.	478.85	21.07	
						4.	Mazdoor-Female	0.022	No.	478.85	10.53	
						5.	Bandhani	0.044	No.	498.08	21.92	
							Fixing					
						6.	Mason III	0.044	No.	498.08	21.92	
						7.	Bandhani	0.022	No.	498.08	10.96	
						8.	Mazdoor-Male	0.022	No.	478.85	10.53	
						9.	Mazdoor-Female	0.022	No.	478.85	10.53	
						10.	Blacksmith III	0.006	No.	498.08	2.99	
						11.	Bhisti	0.022	No.	478.85	10.53	
							Labour cost of CM 1:4 - 0.003 Cu.M.				1.29	
TOTAL (M) =Rs.					24.59	TOTAL (L) =Rs.					156.24	

Total of (M) + (L) =	(I)	= `	180.83	Total = (I) + (II) =	(III)	= `	211.33
Add: Allowance for Water charges @1% of (I)		= `	1.81	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	18.08
Add: Allowance for PF @13.61% of (L)		= `	21.26	Grand Total	=	(III)+(IV)= `	229.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	7.42	This is cost for	0.01 Cu.M.		
Total of allowances =	(II)	= `	30.49	Therefore, Unit cost	=		
				229.41 ÷	0.01	=Rs.	22941.13
				Say Rs. 22941.00 per Cu.M.			

Rate Analysis for 0.010 Cu.M. of Item:
Constructing coursed rubble masonry using MbPT stones available at site, set in Cement mortar (1:4) in dock walls with Ashlar facing including scaffolding, curing etc.

Corresponding Item No. 10 of Section -VII of MbPT SOR 2014
 New Item No. 10 of Section -VII
 NBO Ref. No.7.78 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:4) (Material cost of CM 1:4)	0.003	Cu.M.	5474.405	16.42		<u>Fixing:</u>					
2.	Sundries, scaffolding etc.		Lumpsum		1.00	1.	Mason III	0.044	No.	498.08	21.92	
						2.	Bandhani	0.022	No.	498.08	10.96	
						3.	Mazdoor-Male	0.022	No.	478.85	10.53	
						4.	Mazdoor-Female	0.022	No.	478.85	10.53	
						5.	Blacksmith I	0.006	No.	540.38	3.24	
						6.	Bhisti	0.022	No.	478.85	10.53	
							Labour cost of CM 1:4 - 0.003 Cu.M.				1.29	
TOTAL (M) =Rs.					17.42	TOTAL (L) =Rs.					69.01	

Total of (M) + (L) =	(I)	= `	86.44	Total = (I) + (II) =	(III)	= `	99.97
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	0.86	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	8.64
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	9.39	Grand Total	=	(III)+(IV)= `	108.61
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3.28	This is cost for	0.01	Cu.M.	
Total of allowances =	(II)	= `	13.54	Therefore, Unit cost	=		
				108.61	÷	0.01	=Rs. 10861.44
			Say Rs. 10861.00	per Cu.M.			

Rate Analysis for 1.000 Cu.M. of Item:
Fixing Granite coping stone supplied by MbPT in CM (1:4)

Corresponding Item No. 11 of Section -VII of MbPT SOR 2014
 New Item No. 11 of Section -VII
 NBO Ref. No.7.38 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:4) (Material cost of CM 1:4)	0.330	Cu.M.	5474.405	1806.55	1.	Fixing Mason II	7.000	No.	525.00	3675.00	
						2.	Beldar	7.000	No.	478.85	3351.95	
							Labour cost of CM 1:4 - 0.33 Cu.M.				142.22	
TOTAL (M) =Rs.					1806.55	TOTAL (L) =Rs.					7169.17	

Total of (M) + (L) =	(I)	= `	8975.72	Total = (I) + (II) =	(III)	= `	10381.74
Add: Allowance for Water charges @1% of (I)		= `	89.76	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	897.57
Add: Allowance for PF @13.61% of (L)		= `	975.72	Grand Total	=	(III)+(IV)= `	11279.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `	340.54	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	1406.02	Therefore, Unit cost	=		
				11279.31	÷	1.00	=Rs. 11279.31
			Say Rs.	11279.00	per	Cu.M.	

Rate Analysis for 1.000 Mtr. of Item:
Providing and laying pre-cast RCC M20 grade trap blocks of 200 X 200 mm etc.

Corresponding Item No. --- of Section -VII of MbPT SOR 2014
 New Item No. 12 of Section -VII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cost of concrete + 5% (Item 11(a)(ii) of Section-V)	0.042	Cu.M.	7115.346	298.84	1.	Additional labour for handling:					
2.	Reinforcement (Item 16 of Section-V)	0.030	qntl.	5794.509	173.84		Mazdoor-Male	0.250	No.	478.85	119.71	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					492.68	TOTAL (L) =Rs.					119.71	

Total of (M) + (L) =	(I)	= `	612.39	Total = (I) + (II) =	(III)	= `	640.50
Add: Allowance for Water charges @1% of (I)		= `	6.12	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	61.24
Add: Allowance for PF @13.61% of (L)		= `	16.29	Grand Total	=	(III)+(IV)= `	701.73
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.69	This is cost for	1.00	Mtr.	
Total of allowances =	(II)	= `	28.10	Therefore, Unit cost	=		
				701.73	÷	1.00	=Rs. 701.73
			Say Rs. 702.00	per Mtr.			

VIII - Floor Finishes

Sr. No.	Item Description	Rate in `	Unit
1	(a) Providing & laying Indian patent stone of cement concrete (1:2:4), 40 mm average thick (with coarse aggregate upto 20 mm size) finished smooth (with extra cement) by trowelling in cement or geroo as directed including lining work to required pattern, finishing to required grades, curing etc. complete as directed.	419.00	Sq.M.
	(b) Extra over rate for Item No.1 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	14.00	Sq.M.
2	(a) Providing & laying Indian patent stone of cement concrete (1:2:4), 50 mm average thick (with coarse aggregate upto 20 mm size) finished smooth (with extra cement) by trowelling in cement or geroo as directed including filling up the joints between the bays (1.25X1.25 Mtrs.) with bitumen (10/20) penetration, lining work to required pattern, finishing to required grades, curing etc. complete as directed.	482.00	Sq.M.
	(b) Extra over rate for Item No.2 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	17.00	Sq.M.
3	Extra over rate for Item No.2 for adding waterproofing compound of approved manufacturer as per maker's specifications.	17.00	Sq.M.
4	(a) Providing & laying Indian patent stone (IPS) 40 mm average thick consisting of under layer of cement concrete (1:2:4) 30 mm thick & top 10 mm thick layer done simultaneously using mortar made of 1 part cement red oxide mix (3.5kg of red oxide of iron added to 50 Kgs. of cement) and 3 parts coarse sand by volume, finished with floating coat of cement red oxide mix including lining work to required pattern, finishing to required grades, curing etc. complete as directed.	589.00	Sq.M.
	(b) Extra over rate for Item No.4 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	19.00	Sq.M.

VIII - Floor Finishes

Sr. No.	Item Description	Rate in `	Unit
5	Preparing roof surface including dismantling the plaster upto 300 mm height (above finished level) of parapet, columns, staircase room walls etc. and providing cement based waterproofing treatment of Polyalk WP or equivalent as per manufacturer's specifications using river sand and making the same completely waterproof including 300 mm (above finished level) vertical face on parapet, columns, staircase room walls etc. in accordance with the approved detailed specifications and sequences of operations as described in 'Addendum to Specifications' and also inclusive of vatas, etc. and carrying out test for water tightness by ponding terraces for 240 hours (Payment shall be made for horizontal projected area. No payment for waterproofing 300 mm (above finished level) vertical faces mentioned above shall be made, and the cost of the same deemed to be included in the rate).	1,434.00	Sq.M.
5	(a) Extra over rate for providing and laying china mosaic chips/ broken ceramic tile pieces of approved size over the IPS layer including laying on a CM (1:5) approx. 25 mm average thickness, fixing the ceramic tile chips in the mortar in proper line and level including pouring dry cement below the chips and neat cement slurry to the gaps and finishing the same with neat cement paste/ dry cement and cleaning the tile chips using saw dust etc. as per the design pattern as directed complete.	739.00	Sq.M.
6	Providing and applying three coats of 'New Coat' manufactured by Dr.Fixit or 'Duckback-S' manufactured by Sunanda or equivalent over thoroughly prepared existing old waterproof surface without breaking the surface to build-up a total dry film thickness of 1 mm including priming coat as per the manufacturer's specifications etc. complete as directed.	542.00	Sq.M.

VIII - Floor Finishes

Sr. No.	Item Description	Rate in `	Unit
7	Providing and applying exterior waterproof coating in two coats of 'Suncoat' manufactured by Sunanda or 'Raincoat' manufactured by Dr.Fixit or equivalent over the thoroughly prepared clean and sound exterior surface of the wall as per manufacturer's specifications etc. complete as directed.	198.00	Sq.M.
8	Providing and laying IPS (1:2:4), 50 mm thick (with coarse aggregate upto 20 mm size) using river sand with addition of special waterproofing compound at the rate of 1 Kg. per bag of cement including laying thick cement slurry mixed with special waterproofing compound over the existing old brick bat coba after preparing the roof surface including dismantling the plaster upto 300 mm height (above finished level) of parapet, columns, staircase room walls etc. and making the terrace completely waterproof including 300 mm (above finished level) vertical face on parapet, columns, staircase room walls etc. and providing vata etc. including carrying out test for water tightness by impounding water for 240 hours etc. (Payment shall be made for horizontal projected area. No payment for waterproofing 300 mm (above finished level) vertical faces mentioned above shall be made and the cost of the same deemed to be included in the rate).	500.00	Sq.M.
9	Providing and laying approved quality pre-cast plain cement tiles 20 mm thick (size: 250X250 mm) in flooring, laid on 25 to 40 mm thick cement mortar (1:6) bedding and jointed with neat cement slurry with pigment to match the shade of the tiles and polishing in 3 coats etc. complete as directed.		
	(a) Grey colour	980.00	Sq.M.
	(b) Red/ chocolate/ fawn yellow colour	1,057.00	Sq.M.
	(c) White/ pink/ green/ cream yellow colour	1,127.00	Sq.M.
10	Providing and laying approved quality pre-cast chequered cement relief tiles 25 mm thick in flooring, laid on 25 to 40 mm thick cement mortar		

VIII - Floor Finishes

Sr. No.	Item Description	Rate in `	Unit
	(1:6) bedding and jointed with neat cement slurry with pigment to match the shade of the tiles and polishing in three coats etc. complete as directed.		
	(a) Grey colour	1,012.00	Sq.M.
	(b) Red/ chocolate/ fawn yellow colour	1,060.00	Sq.M.
	(c) White/ pink/ green/ cream yellow colour	1,114.00	Sq.M.
11	Providing & laying pre-cast fully chequered cement tiles with curved nosing in treads of steps laid on 25 to 40 mm thick (1:3) cement mortar bedding, and jointed with neat cement slurry with pigment to match the shade of the tiles and polishing in three coats etc. complete as directed.		
	(a) Grey colour	967.00	Sq.M.
	(b) Red/ chocolate/ fawn yellow colour	1,015.00	Sq.M.
	(c) White/ pink/ green/ cream yellow colour	1,069.00	Sq.M.
12	Providing and laying pre-cast terrazzo (marble mosaic) tiles in flooring 20 mm thick with marble chips of size upto 6 mm, laid on 25 to 40 mm thick cement mortar (1:6) bedding & jointed with neat cement slurry with pigment to match the shade of the tiles and polishing in three coats etc. complete as directed.		
	(a) Grey colour	1,418.00	Sq.M.
	(b) Red/ chocolate/ fawn yellow colour	1,517.00	Sq.M.
	(c) White/ pink/ green/ cream yellow colour	1,551.00	Sq.M.
13	Extra over rate for Item Nos.12(a), (b) & (c) above if marble chips are of sizes over 6 mm but upto 10 mm.	60.00	Sq.M.
14	Providing and laying fully chequered pre-cast terrazzo tread pieces 20-25 mm thick in steps, with marble chips of size upto 6 mm, laid on 25 to 40mm thick cement mortar (1:3) bedding and jointed with neat cement slurry with pigment to match the shade of the tiles and polishing in three coats etc. complete as directed.		
	(a) Grey colour	1,524.00	Sq.M.
	(b) Red/ chocolate/ fawn yellow colour	1,628.00	Sq.M.
	(c) White/ pink/ green/ cream yellow colour	1,662.00	Sq.M.

VIII - Floor Finishes

Sr. No.	Item Description	Rate in `	Unit
15	Providing and laying pre-cast heavy duty tiles 25 mm thick, laid on 25 to 40 mm thick cement mortar (1:3) bedding, jointed with neat cement slurry with pigment to match the shade of the tiles and polishing in three coats etc. complete as directed.		
	(a) Grey colour	1,157.00	Sq.M.
	(b) Red/ chocolate/ fawn yellow colour	1,273.00	Sq.M.
	(c) White/ pink/ green/ cream yellow colour	1,379.00	Sq.M.
16	Providing and fixing machine cut and machine polished Kota stone 22 to 40 mm thick in flooring, laid on 25 to 40 mm thick cement mortar (1:6) bedding, jointed with neat cement slurry and polishing in three coats etc. complete as directed.	1,575.00	Sq.M.
17	Providing and fixing machine cut and machine polished Kota stone 22 to 40 mm thick in treads of steps with rounded nosing and in single piece upto 1200 mm long and 300 mm wide including fixing in cement mortar (1:3) bedding of required thickness including polishing in three coats etc. complete as directed.	1,840.00	Sq.M.
18	Providing and fixing machine cut and machine polished Tandur stones 25mm average thick in flooring, on 25 to 40 mm thick lime mortar (1:2) or in CM (1:3) bedding, jointed with neat cement slurry and polishing in three coats etc. complete as directed.	1,545.00	Sq.M.
19	Providing and fixing ceramic tiles of suitable size of approved brand in flooring on lime mortar (1:2) bedding of 25 to 40 mm thickness or in dado with 10 to 20 mm thick cement mortar (1:3) backing jointed with neat cement slurry with pigment to match the shade of the tiles and including polishing etc. complete as directed.	1,451.00	Sq.M.
20	Extra over rate for Item No.19 above for providing 1st quality marbonite tiles of H.R. Johnson instead of ceramic tiles.		
	(a) Classic series 600X600 mm size.	676.00	Sq.M.
	(b) Special marble series 600X600 mm size.	437.00	Sq.M.
	(c) Granite series 600X600 mm size.	1,100.00	Sq.M.

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Sr. No.	Item Description	Rate in `	Unit
21	Extra over rate for Item No.19 above for providing marbonite tiles of H.R. Johnson 1st quality instead of ceramic tiles.		
	(a) Classic series 800X800 mm size.	896.00	Sq.M.
	(b) Special marble series 800X800 mm size.	831.00	Sq.M.
	(c) Granite series 800X800 mm size.	1,581.00	Sq.M.
22	Indian marble white with grey veins ('Adanga' variety) 16 to 20 mm thick in flooring in sizes 0.45X0.45 Mtr. on cement mortar bedding (1:6) 40 mm thick including filling the joints with white cement and polishing etc. complete as directed.	3,815.00	Sq.M.
23	Indian marble white with grey veins ('Adanga' variety) 16 to 20 mm thick in dado in pieces 0.45X0.45 Mtr. or bigger on C.M. (1:3) 12 mm thick backing with brass clips including filling joints with white cement and polishing etc. complete as directed.	3,850.00	Sq.M.
24	Extra over rate for Item No.23 above for using 16 to 20 mm thick marble slabs 2 Mtrs. long and having width of 0.6 Mtr. or more.	129.00	Sq.M.
25	Extra over rate for Item No.23 above for using 16 to 20 mm thick marble slabs of size 2.4X0.9 Mtrs. or above.	325.00	Sq.M.
26	<u>In-situ Terrazzo Works</u> Providing and laying 40 mm thick in-situ terrazzo flooring consisting of underlayer of 32 mm thick (1:3) cement mortar and 5 mm thick top layer made of 7 parts of marble chips (1 to 3 mm size) and 4 parts of binder by volume, the binder consisting of 3 parts of cement and 1 part of marble powder by weight including providing aluminium strips 40X3 mm at 1.5 Mtrs. c/c as dividers and polishing in 3 coats - Grey coloured terrazzo etc. complete as directed.	1,436.00	Sq.M.
27	Extra over rate for Item No.26 above for using neutral colour cement in place of grey cement.	56.00	Sq.M.
28	Extra over rate for Item No.26 above for using colour cement in place of grey cement.	112.00	Sq.M.

VIII - Floor Finishes

Sr. No.	Item Description	Rate in `	Unit
29	Providing and laying 40 mm thick grey coloured in-situ terrazzo flooring consisting of underlayer of 30 mm thick cement concrete (1:2:4) and top layer 10 mm thick consisting of marble chips of size 7 to 10 mm laid in cement marble powder binder in the proportion of 2 parts of binder to 3 parts of chips by volume, the binder composed of cement and marble powder in the proportion of (3:1) by weight including providing aluminium strips 40X3 mm @1.5 Mtrs. c/c as dividers including curing and polishing in 3 coats - Grey coloured terrazzo etc. complete as directed.	1,484.00	Sq.M.
30	Extra over rate for Item No.29 above for using neutral colour cement in place of grey cement.	69.00	Sq.M.
31	Extra over rate for Item No.29 above for using light colour cement in place of grey cement.	138.00	Sq.M.
32	Providing and laying in-situ terrazzo 25 mm thick in grey cement in skirting and dado consisting of 15 mm thick backing of cement plaster mix and 10 mm thick top layer made of 3 parts of marble chips (7 to 10 mm size) and 2 parts of binder by volume, the binder consisting of 3 parts of cement and one part of marble powder by weight including providing 20X3 mm aluminium strips @1.5 Mtrs. c/c and polishing in 3 coats etc. complete as directed.	1,442.00	Sq.M.
33	Extra over rate for Item No.32 above for using neutral colour binder in place of grey cement.	100.00	Sq.M.
34	Extra over rate for Item No.32 above for using light colour binder in place of grey cement.	100.00	Sq.M.
35	<u>Skirting and Dado</u> Providing and laying 1 tile (about 250 mm) high skirting with 20 mm thick pre-cast tiles laid on 10 to 12 mm thick C.M. (1:3) backing and jointed with neat cement slurry with pigment to match the shades of the tiles including polishing in 3 coats etc. complete as directed.		
	(a) Plain cement tiles		
	(i) Grey colour	311.00	Mtr.
	(ii) Red/ chocolate/ fawn yellow colour	331.00	Mtr.
	(iii) White/ pink/ green/ cream yellow colour	348.00	Mtr.

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Sr. No.	Item Description	Rate in `	Unit
	(b) Plain cement relief tiles		
	(i) Grey colour	242.00	Mtr.
	(ii) Red/ chocolate/ fawn yellow colour	254.00	Mtr.
	(iii) White/ pink/ green/ cream yellow colour	262.00	Mtr.
	(c) Pre-cast terrazzo tiles using upto 6 mm thick marble chips		
	(i) Grey colour	421.00	Mtr.
	(ii) Red/ chocolate/ fawn yellow colour	447.00	Mtr.
	(iii) White/ pink/ green/ cream yellow colour	456.00	Mtr.
	(d) Pre-cast terrazzo tiles using upto 10 mm thick marble chips		
	(i) Grey colour	437.00	Mtr.
	(ii) Red/ chocolate/ fawn yellow colour	463.00	Mtr.
	(iii) White/ pink/ green/ cream yellow colour	471.00	Mtr.
36	Extra over rates for respective items of plain tiling work in flooring for carrying out tiling work in dado.	229.00	Sq.M.
37	Extra over rates for the respective items of pre-cast terrazzo tiles in flooring for carrying out tiling work in dado.	229.00	Sq.M.
38	Providing and laying 20mm average thick tandur stone skirting/ dado with 10 to 12 mm thick cement mortar (1:3) backing and jointed with neat cement slurry with pigment to match the shade of the stone including polishing in 3 coats etc. complete as directed.	2,320.00	Sq.M.
39	Providing and laying 20mm average thick kota stone skirting/ dado with 10 to 12 mm thick cement mortar (1:3) backing - do – - do - as in Item No.38 above.	2,379.00	Sq.M.
40	Providing & fixing 30 mm average thick machine cut and machine polished kaddapa slab for kitchen platform, sink, shelves etc. including ledges, making holes for drainage pipe and gas entry pipes in cement mortar (1:3) bedding, jointed with neat cement slurry etc. complete as directed.	921.00	Sq.M.
41	Removing the existing vinyl flooring cleaning the surface as directed etc. complete as directed.	88.00	Sq.M.
42	Providing & fixing PVC vinyl tiles/ flooring of approved quality & colour 3 mm thick in flooring and skirting with suitable adhesive etc. complete as directed by Engineer-in-charge.	941.00	Sq.M.

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Sr. No.	Item Description	Rate in `	Unit
43	Providing and fixing 75 mm or nearest available size wide ceramic decorative beading patti in thick cement slurry etc. complete as directed.	261.00	Mtr.
44	Machine polishing the existing Kota stone/ mosaic flooring to smooth finish including hand polishing the corners etc. complete as directed.	78.00	Sq.M.
45	Providing and laying brick bat vata at the junctions of the wall and slab in terrace of approx. 100 X 200 mm using brick bats laid in cement mortar 1:4 including curing etc. complete as directed.	97.00	Mtr.
46	<p>Providing and laying bitumen based APP sheets (Atactic Poly Propylene), torchable type, to the terrace or walls including the following works.</p> <ol style="list-style-type: none"> 1. Cleaning the terrace or wall or coping & removing all oil, greese, loose chemical, tar felt sheets, damper coating, loose cement materials, loose water proofing coatings etc. to get desired clean surface to apply the priming coat. The mouth opening of rainwater pipe shall be prepared carefully for total draining of the rain water. 2. Fill-up the minor cracks/ IPS linings/ gaps in china mosaic with suitable materials as per manufacturer's specifications to get a smooth surface for the application of priming coat. 3. Before the application of priming coat, proper slope to the surface shall be ensured. Application of one coat of bitumen based oil primer to the entire area as per manufacturer's specification. 4. Laying of APP sheets including torching the sheets uniformly and laying without any air pockets and pressing suitably the same simultaneously to get a uniform and wrinkle free surface and ensuring perfect bonding to the parent surface. <p>The sheets shall be over lapped 75 to 100 mm on all sides. The APP sheets shall have an in-built Polyester membrane of 175 to 230 GSM for 4 mm thick sheet and 140 to 200 GSM for 3 mm sheet. Torching of APP sheets shall be done to the overlapped portion to match the levels and no undulations or steps shall be left behind. The mouth</p>		

VIII - Floor Finishes

Sr. No.	Item Description	Rate in `	Unit
	<p>opening of rain water pipes shall be attended carefully to avoid any accumulation of rain water near the mouth of the opening.</p> <p>The sheets shall be start laying from the rain water pipe opening and proceed towards ridge. If any air pocket remains, it shall be rectified as per manufacturer's specification. After completion of work, the terrace shall be flooded for 48 hours and ensure the water tightness. In case of application to parapet walls, if necessary all the sharp edges of plastering/ coping shall be rounded off to ensure proper bonding to the parent surface.</p> <p>5. The entire area covered shall be coated with one coat of bitumen based Aluminium paint.</p> <p>The payment shall be made to the actual area covered with APP sheets. No lapping will be considered for payment. Incase of lapping with various thickness sheets, the area of higher thickness will be considered for payment.</p>		
	(a) 4 mm thick	617.00	Sq.M.
	(b) 3 mm thick Note: 10% amount of the item will be retained for 3 years for satisfactory performance of waterproofing work	582.00	Sq.M.
47	Providing and fixing Indian Green marble of 16-20 mm thick in dado/ facia in single pieces including back coat plastering in CM (1:3) 12 mm thick and filling joints with matching pigmented cement including polishing etc. complete as directed.	3,365.00	Sq.M.
48	Providing and fixing Indian Black/ Red granite slab 16-20 mm thick of approved variety and shade in flooring in CM (1:6) 40 mm thick or in dado in CM (1:3) 12 mm thick including rounding the exposed faces and polishing etc. complete.	5,364.00	Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Indian patent stone of (1:2:4) cement concrete of 40mm average thickness with coarse aggregate upto 20mm size, smooth finishing etc.

Corresponding Item No. 1a of Section -VIII of MbPT SOR 2014
 New Item No. 1a of Section -VIII
 NBO Ref. No.14.71a Page:627 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone aggregate-20mm	0.267	Cu.M.	898.31	239.85	1.	Mason II	1.350	No.	525.00	708.75	
2.	Stone aggregate-10mm	0.089	Cu.M.	898.31	79.95	2.	Mazdoor-Male	1.080	No.	478.85	517.16	
3.	Coarse sand	0.178	Cu.M.	2994.92	533.10	3.	Mazdoor-Female	0.810	No.	478.85	387.87	
4.	Cement	0.150	MT	5762.73	864.41	4.	Bhisti	0.270	No.	478.85	129.29	
5.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					1747.30	TOTAL (L) =Rs.					1743.07	

Total of (M) + (L) = (I) = ` 3490.37

Add: Allowance for Water charges @1% of (I) = ` 34.90

Add: Allowance for PF @13.61% of (L) = ` 237.23

Add: Allowance for Employee' insurance @4.75% of (L) = ` 82.80

Total of allowances = (II) = ` 354.93

Say Rs. 419.00 per Sq.M.

Total = (I) + (II) = (III) = ` 3845.30

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 349.04

Grand Total = (III)+(IV)= ` 4194.34

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 4194.34 ÷ 10.00 =Rs. 419.43

Rate Analysis

for 10.0 Sq.M. of Item:

Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent

Corresponding Item No. 1b of Section -VIII of MbPT SOR 2014

New Item No. 1b of Section -VIII

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	3.000	pouch	42.37	127.12							
TOTAL (M) =Rs.					127.12	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 127.12

Total = (I) + (II) = (III) = ` 127.12

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 12.71

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 139.83

Add: Allowance for Employee' insurance @4.75% of (L) = `

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
139.83 ÷ 10.0 =Rs. 13.98

Total of allowances = (II) = `

Say Rs. 14.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Indian patent stone of (1:2:4) cement concrete of 50mm average thickness etc.

Corresponding Item No. 2a of Section -VIII of MbPT SOR 2014
 New Item No. 2a of Section -VIII
 NBO Ref. No.14.71b Page:627 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone aggregate-20mm	0.334	Cu.M.	898.31	300.03	1.	Mason II	1.350	No.	525.00	708.75	
2.	Stone aggregate-10mm	0.111	Cu.M.	898.31	99.71	2.	Mazdoor-Male	1.350	No.	478.85	646.45	
3.	Coarse sand	0.222	Cu.M.	2994.92	664.87	3.	Mazdoor-Female	0.810	No.	478.85	387.87	
4.	Cement	0.182	MT	5762.73	1048.82	4.	Bhisti	0.270	No.	478.85	129.29	
5.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					2163.44	TOTAL (L) =Rs.					1872.36	

Total of (M) + (L) =	(I)	= `	4035.79	Total = (I) + (II) =	(III)	= `	4419.91
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	40.36	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	403.58
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	254.83	Grand Total	=	(III)+(IV)= `	4823.49
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	88.94	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	384.12	Therefore, Unit cost	=		
			Say Rs. 482.00	4823.49 ÷ 10.00	=Rs.		482.35
				per Sq.M.			

Rate Analysis

for 10.0 Sq.M. of Item:

Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent

Corresponding Item No. 2b of Section -VIII of MbPT SOR 2014

New Item No. 2b of Section -VIII

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	3.640	pouch	42.37	154.24							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	

Total of (M) + (L) = (I) = ` 154.24

Total = (I) + (II) = (III) = ` 154.24

Add: Allowance for Water charges @1% of (I) = `Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 15.42Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 169.66

Add: Allowance for Employee' insurance @4.75% of (L) = `

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
169.66 ÷ 10.0 =Rs. 16.97

Total of allowances = (II) = `

Say Rs. 17.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for Item No.2 above for adding waterproofing compound etc.

Corresponding Item No. 3 of Section -VIII of MbPT SOR 2014
 New Item No. 3 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Waterproofing compound 1kg. per bag of cement	3.400	Kgs.	46.61	158.48							
TOTAL (M) =Rs.					158.48	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	158.48	Total = (I) + (II) =	(III)	= `	158.48
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	15.85
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	174.32
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				174.32 ÷ 10.00	=Rs.		17.43
				Say Rs. 17.00 per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Indian patent stone of (1:2:4) 40 mm thick average, consisting of under layer (1:2:3) concrete 30 mm thick and top layer 10mm thick etc.

Corresponding Item No. 4a of Section -VIII of MbPT SOR 2014
 New Item No. 4a of Section -VIII
 NBO Ref. No.14.72 Page:628 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone aggregate-12.5mm	0.200	Cu.M.	898.31	179.66	1.	Mason II	2.000	No.	525.00	1050.00	
2.	Stone aggregate-10mm	0.067	Cu.M.	898.31	60.19	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Coarse sand	0.134	Cu.M.	2994.92	401.32	3.	Mazdoor-Female	1.500	No.	478.85	718.28	
4.	Cement	0.118	MT	5762.73	680.00	4.	Bhisti	0.500	No.	478.85	239.43	
5.	Cement mortar (1:3) (Material cost of CM 1:3)	0.061	Cu.M.	6223.56	379.64		Labour cost of CM 1:3 - 0.061 Cu.M.				26.29	
6.	Red oxide paint	5.800	Kg.	11.86	68.81							
7.	Sundries	Lumpsum			50.00							
TOTAL (M) =Rs.					1819.62	TOTAL (L) =Rs.					2991.69	

Total of (M) + (L) = (I) = ` 4811.31

Add: Allowance for Water charges @1% of (I) = ` 48.11

Add: Allowance for PF @13.61% of (L) = ` 407.17

Add: Allowance for Employee' insurance @4.75% of (L) = ` 142.11

Total of allowances = (II) = ` 597.39

Say Rs. 589.00 per Sq.M.

Total = (I) + (II) = (III) = ` 5408.70

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 481.13

Grand Total = (III)+(IV)= ` 5889.83

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 5889.83 ÷ 10.00 =Rs. 588.98

Rate Analysis

for 10.0 Sq.M. of Item:

Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent

Corresponding Item No. 4b of Section -VIII of MbPT SOR 2014

New Item No. 4b of Section -VIII

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	4.000	pouch	42.37	169.49							
TOTAL (M) =Rs.					169.49	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 169.49

Total = (I) + (II) = (III) = ` 169.49

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 16.95

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 186.44

Add: Allowance for Employee' insurance @4.75% of (L) = `

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
186.44 ÷ 10.0 =Rs. 18.64

Total of allowances = (II) = `

Say Rs. 19.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
**Preparing roof surface including dismantling the plaster upto 300mm height above finished level,
 providing cement based waterproofing treatment etc.**

Corresponding Item No. 5 of Section -VIII of MbPT SOR 2014
 New Item No. 5 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.3335	MT	5762.73	1921.87	1.	Mason I	2.000	No.	540.38	1080.76	
2.	Coarse sand	0.680	Cu.M.	2994.92	2036.55	2.	Mazdoor-Male	6.000	No.	478.85	2873.10	
3.	Stone aggregate	0.300	Cu.M.	898.31	269.49	3.	Muccadam	1.500	No.	540.38	810.57	
4.	Brick bats	1.500	Cu.M.	1864.41	2796.62							
5.	Waterproof powder	6.670	Kgs.	46.61	310.89							
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					7365.42	TOTAL (L) =Rs.					4764.43	

Total of (M) + (L) = (I) = ` 12129.85

Add: Allowance for Water charges @1% of (I) = ` 121.30

Add: Allowance for PF @13.61% of (L) = ` 648.44

Add: Allowance for Employee' insurance @4.75% of (L) = ` 226.31

Total of allowances = (II) = ` 996.05

Say Rs. 1434.00 per Sq.M.

Total = (I) + (II) = (III) = ` 13125.90

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1212.98

Grand Total = (III)+(IV)= ` 14338.88

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 14338.88 ÷ 10.00 =Rs. 1433.89

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for providing and laying china mosaic on existing IPS in given design etc.

Corresponding Item No. 5a of Section -VIII of MbPT SOR 2014
 New Item No. 5a of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tile chips (50% cost of ceramic tiles)	10.000	Sq.M.	173.73	1737.29	1.	Mason-I	1.00	No.	540.38	540.38	
2.	Cement mortar (1:5)	0.025	Cu.M.	5581.00	139.53	2.	Mazddor-Female	5.00	Nos.	478.85	2394.25	
3.	Cement, saw dust, sundries etc. (10% of tile chips cost)		Lumpsum		173.73	3.	Muccadam	1.00	No.	540.38	540.38	
						4.	Mazdoor-Male	1.00	No.	478.85	478.85	
TOTAL (M) =Rs.					2050.55	TOTAL (L) =Rs.					3953.86	

Total of (M) + (L) = (I) = ` 6004.41

Add: Allowance for Water charges @1% of (I) = ` 60.04

Add: Allowance for PF @13.61% of (L) = ` 538.12

Add: Allowance for Employee' insurance @4.75% of (L) = ` 187.81

Total of allowances = (II) = ` 785.97

Say Rs. 739.00 per Sq.M.

Total = (I) + (II) = (III) = ` 6790.38

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 600.44

Grand Total = (III)+(IV)= ` 7390.82

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 7390.82 ÷ 10.00 =Rs. 739.08

Rate Analysis for 100.00 Sq.M. of Item:
Providing and applying three coats of 'New Coat' manufactured by Dr.Fixit or 'Duckback-S' manufactured by Sunanda or equivalent over thoroughly prepared existing old waterproof surface without breaking the surface .. etc.

Corresponding Item No. 6 of Section -VIII of MbPT SOR 2014
 New Item No. 6 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NewCoat or Duckback-S	150.00	Lits.	241.96	36294.51	1.	Painter I	8.000	No.	540.38	4323.04	
2.	Primeseal (Primer)	12.000	Lits.	179.66	2155.94	2.	Mazdoor-Male	8.000	No.	478.85	3830.80	
3.	Brushes, tools, etc.		Lumpsum		600.00							
4.	Sundries & carriage		Lumpsum		240.00							
TOTAL (M) =Rs.					39290.45	TOTAL (L) =Rs.					8153.84	

Total of (M) + (L) = (I) = ` 47444.29

Add: Allowance for Water charges @1% of (I) = ` 474.44

Add: Allowance for PF @13.61% of (L) = ` 1109.74

Add: Allowance for Employee' insurance @4.75% of (L) = ` 387.31

Total of allowances = (II) = ` 1971.49

Say Rs. 542.00 per Sq.M.

Total = (I) + (II) = (III) = ` 49415.77

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 4744.43

Grand Total = (III)+(IV)= ` 54160.20

This is cost for 100.00 Sq.M.

Therefore, Unit cost = 54160.20 ÷ 100.0 =Rs. 541.60

Rate Analysis for 100.00 Sq.M. of Item:
Providing and applying exterior waterproof coating in two coats of 'Suncoat' manufactured by Sunanda or 'Raincoat' manufactured by Dr.Fixit or equivalent over the thoroughly prepared clean etc.

Corresponding Item No. 7 of Section -VIII of MbPT SOR 2014
 New Item No. 7 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	SunCoat or Raincoat	31.00	Lits.	245.76	7618.67	1.	Painter I	6.000	No.	540.38	3242.28	
2.	Primeseal (Primer)	12.000	Lits.	179.66	2155.94	2.	Mazdoor-Male	6.000	No.	478.85	2873.10	
3.	Brushes, tools, scaffolding etc.		Lumpsum		600.00							
4.	Sundries & carriage		Lumpsum		300.00							
TOTAL (M) =Rs.					10674.60	TOTAL (L) =Rs.					6115.38	

Total of (M) + (L) = (I) = ` 16789.98

Add: Allowance for Water charges @1% of (I) = ` 167.90

Add: Allowance for PF @13.61% of (L) = ` 832.30

Add: Allowance for Employee' insurance @4.75% of (L) = ` 290.48

Total of allowances = (II) = ` 1290.68

Say Rs. 198.00 per Sq.M.

Total = (I) + (II) = (III) = ` 18080.67

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1679.00

Grand Total = (III)+(IV)= ` 19759.67

This is cost for 100.00 Sq.M.

Therefore, Unit cost =
 19759.67 ÷ 100.0 =Rs. 197.60

Rate Analysis for 10.00 Sq.M. of Item:
Indian patent stone of (1:2:4) 50mm thick with coarse aggregate upto 20mm size including special waterproofing compound over an existing brick bat coba etc.

Corresponding Item No. 8 of Section -VIII of MbPT SOR 2014
 New Item No. 8 of Section -VIII
 NBO Ref. No.14.716 Page:627 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone aggregate-20mm	0.334	Cu.M.	898.31	300.03	1.	Mason II	1.350	No.	525.00	708.75	
2.	Stone aggregate-10mm	0.111	Cu.M.	898.31	99.71	2.	Mazdoor-Male	1.350	No.	478.85	646.45	
3.	Coarse sand	0.222	Cu.M.	2994.92	664.87	3.	Mazdoor-Female	0.810	No.	478.85	387.87	
4.	Cement	0.182	MT	5762.73	1048.82	4.	Bhisti	0.270	No.	478.85	129.29	
5.	Spacial waterproofing Compound	3.750	Kgs.	46.61	174.79							
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					2318.23	TOTAL (L) =Rs.					1872.36	

Total of (M) + (L) = (I) = ` 4190.58

Add: Allowance for Water charges @1% of (I) = ` 41.91

Add: Allowance for PF @13.61% of (L) = ` 254.83

Add: Allowance for Employee' insurance @4.75% of (L) = ` 88.94

Total of allowances = (II) = ` 385.67

Say Rs. 500.00 per Sq.M.

Total = (I) + (II) = (III) = ` 4576.25

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 419.06

Grand Total = (III)+(IV)= ` 4995.31

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 4995.31 ÷ 10.00 =Rs. 499.53

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved quality plain cement tiles 20mm thick in flooring, laid on 25mm to 40mm cement mortar (1:6) bedding and jointing neat with cement slurry etc.
(A) Grey colour

Corresponding Item No. 9a of Section -VIII of MbPT SOR 2014
New Item No. 9a of Section -VIII
NBO Ref. No.14.81(a) Page:633 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast plain cement tiles - 20 mm thick Grey color	11.00	Sq.M.	161.31	1774.40	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.205	Cu.M.	4725.25	968.68	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Additional: Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17		Labour cost of CM 1:6 - 0.205 Cu.M.				88.35	
5.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					3407.36	TOTAL (L) =Rs.					4650.91	

Total of (M) + (L) = (I) = ` 8058.27

Add: Allowance for Water charges @1% of (I) = ` 80.58

Add: Allowance for PF @13.61% of (L) = ` 632.99

Add: Allowance for Employee' insurance @4.75% of (L) = ` 220.92

Total of allowances = (II) = ` 934.49

Say Rs. 980.00 per Sq.M.

Total = (I) + (II) = (III) = ` 8992.76

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 805.83

Grand Total = (III)+(IV)= ` 9798.59

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 9798.59 ÷ 10.00 =Rs. 979.86

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved quality plain cement tiles 20mm thick in flooring, laid on 25mm to 40mm cement mortar (1:6) bedding and jointing neat with cement slurry etc.
(B) Red/ Chocolate/ Fawn yellow colour

Corresponding Item No. 9b of Section -VIII of MbPT SOR 2014
New Item No. 9b of Section -VIII
NBO Ref. No.14.81(b) Page:633 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast plain cement tiles - 20 mm thick Red/ Chocolate/ Fawn Yellow color	11.00	Sq.M.	185.31	2038.45	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.205	Cu.M.	4725.25	968.68	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.066	MT	5762.73	380.34	3.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	White cement	22.00	Kgs.	25.42	559.32		Labour cost of CM 1:6 - 0.205 Cu.M.				88.35	
5.	Medium shade pigment	3.080	Kgs.	41.29	127.17							
6.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					4103.95	TOTAL (L) =Rs.					4650.91	

Total of (M) + (L) =	(I)	= `	8754.86	Total = (I) + (II) =	(III)	= `	9696.32
Add: Allowance for Water charges @1% of (I)		= `	87.55	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	875.49
Add: Allowance for PF @13.61% of (L)		= `	632.99	Grand Total	=	(III)+(IV)= `	10571.81
Add: Allowance for Employee' insurance @4.75% of (L)		= `	220.92	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	941.46	Therefore, Unit cost	=		
				10571.81	÷	10.00	=Rs. 1057.18
			Say Rs. 1057.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved quality plain cement tiles 20mm thick in flooring, laid on 25mm to 40mm cement mortar (1:6) bedding and jointing neat with cement slurry etc.
(C) White/ Pink/ Green/ Cream yellow colour

Corresponding Item No. 9c of Section -VIII of MbPT SOR 2014
New Item No. 9c of Section -VIII
NBO Ref. No.14.81(c) Page:634 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS	
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.		
1.	Pre-cast plain cement tiles - 20 mm thick White/ Pink/ Green/ Cream Yellow color	11.00	Sq.M.	197.80	2175.75	1.	Mason II	2.160	No.	525.00	1134.00		
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.205	Cu.M.	4725.25	968.68	2.	Mazdoor-Male	2.160	No.	478.85	1034.32		
3.	Grey cement	0.044	MT	5762.73	253.56	3.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25		
4.	White cement	44.00	Kgs.	25.42	1118.65	Labour cost of CM 1:6 - 0.205 Cu.M.							88.35
5.	White pigment	3.080	Kgs.	59.32	182.71								
6.	Sundries	Lumpsum			30.00								
TOTAL (M) =Rs.					4729.35	TOTAL (L) =Rs.					4650.91		

Total of (M) + (L) = (I) = ` 9380.26

Add: Allowance for Water charges @1% of (I) = ` 93.80

Add: Allowance for PF @13.61% of (L) = ` 632.99

Add: Allowance for Employee' insurance @4.75% of (L) = ` 220.92

Total of allowances = (II) = ` 947.71

Total = (I) + (II) = (III) = ` 10327.97

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 938.03

Grand Total = (III)+(IV)= ` 11266.00

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 11266.00 ÷ 10.00 =Rs. 1126.60

Say Rs. 1127.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved quality pre-cast chequered relief cement tiles 25mm thick in flooring laid on 25 mm to 40mm thick cement mortar (1:6) with neat cement slurry grout etc.
(A) Grey colour

Corresponding Item No. 10a of Section -VIII of MbPT SOR 2014
New Item No. 10a of Section -VIII
NBO Ref. No.14.86(a) Page:637 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast chequered cement tiles-25 mm thick Grey color	11.00	Sq.M.	187.29	2060.18	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.205	Cu.M.	4725.25	968.68	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Additional: Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17		Labour cost of CM 1:6 - 0.205 Cu.M.				88.35	
5.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					3693.14	TOTAL (L) =Rs.					4650.91	

Total of (M) + (L) =	(I)	= `	8344.05	Total = (I) + (II) =	(III)	= `	9281.40
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	83.44	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	834.41
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	632.99	Grand Total	=	(III)+(IV)= `	10115.80
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	220.92	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	937.35	Therefore, Unit cost	10115.80	÷	10.00 =Rs. 1011.58
			Say Rs. 1012.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved quality pre-cast chequered relief cement tiles 25mm thick in flooring laid on 25 mm to 40mm thick cement mortar (1:6) with neat cement slurry grout etc.
(B) Red/ Chocolate/ Fawn yellow colour

Corresponding Item No. 10b of Section -VIII of MbPT SOR 2014
New Item No. 10b of Section -VIII
NBO Ref. No.14.86(b) Page:637 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast chequered cement tiles-25 mm thick Red/ Chocolate/ Fawn Yellow color	11.00	Sq.M.	187.29	2060.18	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.205	Cu.M.	4725.25	968.68	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.066	MT	5762.73	380.34	3.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	White cement	22.00	Kgs.	25.42	559.32		Labour cost of CM 1:6 - 0.205 Cu.M.				88.35	
5.	Medium shade pigment	3.080	Kgs.	41.29	127.17							
6.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					4125.68	TOTAL (L) =Rs.					4650.91	

Total of (M) + (L) = (I) = ` 8776.59

Add: Allowance for Water charges @1% of (I) = ` 87.77

Add: Allowance for PF @13.61% of (L) = ` 632.99

Add: Allowance for Employee' insurance @4.75% of (L) = ` 220.92

Total of allowances = (II) = ` 941.67

Total = (I) + (II) = (III) = ` 9718.27

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 877.66

Grand Total = (III)+(IV)= ` 10595.93

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 10595.93 ÷ 10.00 =Rs. 1059.59

Say Rs. 1060.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved quality pre-cast chequered relief cement tiles 25mm thick in flooring laid on 25 mm to 40mm thick cement mortar (1:6) with neat cement slurry grout etc.
(C) White/ Pink/ Green/ Cream yellow colour

Corresponding Item No. 10c of Section -VIII of MbPT SOR 2014
New Item No. 10c of Section -VIII
NBO Ref. No.14.86(c) Page:637 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast chequered cement tiles-25 mm thick White/ Pink/ Green/ Cream Yellow color	11.00	Sq.M.	187.29	2060.18	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.205	Cu.M.	4725.25	968.68	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.044	Kgs.	5762.73	253.56	3.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	White cement	44.00	Kgs.	25.42	1118.65		Labour cost of CM 1:6 - 0.205 Cu.M.				88.35	
5.	White pigment	3.080	Kgs.	59.32	182.71							
6.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					4613.77	TOTAL (L) =Rs.					4650.91	

Total of (M) + (L) = (I) = ` 9264.69

Add: Allowance for Water charges @1% of (I) = ` 92.65

Add: Allowance for PF @13.61% of (L) = ` 632.99

Add: Allowance for Employee' insurance @4.75% of (L) = ` 220.92

Total of allowances = (II) = ` 946.55

Say Rs. 1114.00 per Sq.M.

Total = (I) + (II) = (III) = ` 10211.24

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 926.47

Grand Total = (III)+(IV)= ` 11137.71

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 11137.71 ÷ 10.00 =Rs. 1113.77

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying fully chequered cement tiles with curved nosing in treads of steps laid on 25mm to 40mm thick (1:3) CM, jointed etc.
(A) Grey colour

Corresponding Item No. 11a of Section -VIII of MbPT SOR 2014
New Item No. 11a of Section -VIII
NBO Ref. No.14.85 & 14.86 Page:637 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast chequered cement tiles-25 mm thick Grey color	11.00	Sq.M.	187.29	2060.18	1.	Mason I	1.750	No.	540.38	945.67	
						2.	Mason II	2.160	No.	525.00	1134.00	
						3.	Mazdoor-Male	1.750	No.	478.85	837.99	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	4.	Mazdoor-Male for cutting and polishing	2.160	No.	478.85	1034.32	
3.	Grey cement	0.088	MT	5762.73	507.12							
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17							
5.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					4000.29	TOTAL (L) =Rs.					4040.32	

Total of (M) + (L) =	(I)	= `	8040.61	Total = (I) + (II) =	(III)	= `	8862.81
Add: Allowance for Water charges @1% of (I)		= `	80.41	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	804.06
Add: Allowance for PF @13.61% of (L)		= `	549.89	Grand Total	=	(III)+(IV)= `	9666.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	191.92	This is cost for	10.00 Sq.M.		
Total of allowances =	(II)	= `	822.21	Therefore, Unit cost	9666.88 ÷	10.00 =Rs.	966.69
			Say Rs. 967.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying fully chequered cement tiles with curved nosing in treads of steps laid on 25mm to 40mm thick (1:3) CM, jointed etc.
(B) Red/ Chocolate/ Fawn yellow colour

Corresponding Item No. 11b of Section -VIII of MbPT SOR 2014
New Item No. 11b of Section -VIII
NBO Ref. No.14.85 & 14.86 Page:637 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast chequered cement tiles-25 mm thick Red/ Chocolate/ Fawn Yellow color	11.00	Sq.M.	187.29	2060.18	1.	Mason I	1.750	No.	540.38	945.67	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mason II	2.160	No.	525.00	1134.00	
3.	Grey cement	0.066	MT	5762.73	380.34	3.	Mazdoor-Male	1.750	No.	478.85	837.99	
4.	White cement	22.00	Kgs.	25.42	559.32	4.	Mazdoor-Male	2.160	No.	478.85	1034.32	
5.	Medium shade pigment	3.080	Kgs.	41.29	127.17		for cutting and polishing					
6.	Sundries	Lumpsum			30.00		Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
TOTAL (M) =Rs.					4432.83	TOTAL (L) =Rs.					4040.32	

Total of (M) + (L) =	(I)	= `	8473.15	Total = (I) + (II) =	(III)	= `	9299.68
Add: Allowance for Water charges @1% of (I)		= `	84.73	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	847.32
Add: Allowance for PF @13.61% of (L)		= `	549.89	Grand Total	=	(III)+(IV)= `	10147.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	191.92	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	826.53	Therefore, Unit cost		=	
				10147.00	÷	10.00	=Rs. 1014.70
			Say Rs. 1015.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying fully chequered cement tiles with curved nosing in treads of steps laid on 25mm to 40mm thick (1:3) CM, jointed etc.
(C) White/ Pink/ Green/ Cream yellow colour

Corresponding Item No. 11c of Section -VIII of MbPT SOR 2014
New Item No. 11c of Section -VIII
NBO Ref. No.14.85 & 14.86 Page:637 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast chequered cement tiles-25 mm thick White/ Pink/ Green/ Cream Yellow color	11.00	Sq.M.	187.29	2060.18	1.	Mason I	1.750	No.	540.38	945.67	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mason II	2.160	No.	525.00	1134.00	
3.	Grey cement	0.044	MT	5762.73	253.56	3.	Mazdoor-Male	1.750	No.	478.85	837.99	
4.	White cement	44.00	Kgs.	25.42	1118.65	4.	Mazdoor-Male	2.160	No.	478.85	1034.32	
5.	White pigment	3.080	Kgs.	59.32	182.71		for cutting and polishing					
6.	Sundries	Lumpsum			30.00		Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
TOTAL (M) =Rs.					4920.92	TOTAL (L) =Rs.					4040.32	

Total of (M) + (L) = (I) = ` 8961.24

Add: Allowance for Water charges @1% of (I) = ` 89.61

Add: Allowance for PF @13.61% of (L) = ` 549.89

Add: Allowance for Employee' insurance @4.75% of (L) = ` 191.92

Total of allowances = (II) = ` 831.41

Say Rs. 1069.00 per Sq.M.

Total = (I) + (II) = (III) = ` 9792.66

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 896.12

Grand Total = (III)+(IV)= ` 10688.78

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 10688.78 ÷ 10.00 =Rs. 1068.88

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying pre-cast terrazzo (Marble mosaic) tiles 20mm thick with marble chips of size upto 6mm laid on 25mm to 40mm thick cement mortar (1:6) etc.
(A) Grey colour

Corresponding Item No. 12a of Section -VIII of MbPT SOR 2014
New Item No. 12a of Section -VIII
NBO Ref. No.14.19 Page:589 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazo tiles 25 mm thick-chip size upto 6mm Grey colour	11.00	Sq.M.	180.51	1985.64	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.225	Cu.M.	4725.25	1063.18	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17	4.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
5.	Sundries Lumpsum				30.00		Labour cost of CM 1:6 - 0.225 Cu.M.				96.97	
TOTAL (M) =Rs.					3713.10	TOTAL (L) =Rs.					7772.06	

Total of (M) + (L) =	(I)	= `	11485.16	Total = (I) + (II) =	(III)	= `	13026.96
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	114.85	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1148.52
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	1057.78	Grand Total	=	(III)+(IV)= `	14175.48
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	369.17	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	1541.80	Therefore, Unit cost	14175.48	÷	10.00 =Rs. 1417.55
			Say Rs. 1418.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying pre-cast terrazzo (Marble mosaic) tiles 20mm thick with marble chips of size upto 6mm laid on 25mm to 40mm thick cement mortar (1:6) etc.
(B) Coloured

Corresponding Item No. 12b of Section -VIII of MbPT SOR 2014
New Item No. 12b of Section -VIII
NBO Ref. No.14.19 Page:589 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazo tiles 25 mm thick-chip size upto 6mm Coloured	11.00	Sq.M.	180.51	1985.64	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.255	Cu.M.	4725.25	1204.94	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.022	MT	5762.73	126.78	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	White cement	44.00	Kgs.	25.42	1118.65	4.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
5.	Medium shade pigment	3.050	Kgs.	41.29	125.93		Labour cost of CM 1:6 - 0.255 Cu.M.				109.90	
6.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					4591.93	TOTAL (L) =Rs.					7784.99	

Total of (M) + (L) =	(I)	= `	12376.92	Total = (I) + (II) =	(III)	= `	13930.01
Add: Allowance for Water charges @1% of (I)		= `	123.77	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1237.69
Add: Allowance for PF @13.61% of (L)		= `	1059.54	Grand Total	=	(III)+(IV)= `	15167.70
Add: Allowance for Employee' insurance @4.75% of (L)		= `	369.79	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	1553.09	Therefore, Unit cost	15167.70	÷	10.00 =Rs. 1516.77
			Say Rs. 1517.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying pre-cast terrazzo (Marble mosaic) tiles 20mm thick with marble chips of size upto 6mm laid on 25mm to 40mm thick cement mortar (1:6) etc.
(C) White/ light coloured

Corresponding Item No. 12c of Section -VIII of MbPT SOR 2014
New Item No. 12c of Section -VIII
NBO Ref. No.14.19 Page:589 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazo tiles 25 mm thick-chip size upto 6mm White/ light coloured	11.00	Sq.M.	208.36	2291.93	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.255	Cu.M.	4725.25	1204.94	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.022	MT	5762.73	126.78	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	White cement	44.00	Kgs.	25.42	1118.65	4.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
5.	Medium shade pigment	3.080	Kgs.	41.29	127.17		Labour cost of CM 1:6 - 0.255 Cu.M.				109.90	
6.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					4899.46	TOTAL (L) =Rs.					7784.99	

Total of (M) + (L) = (I) = ` 12684.45

Add: Allowance for Water charges @1% of (I) = ` 126.84

Add: Allowance for PF @13.61% of (L) = ` 1059.54

Add: Allowance for Employee' insurance @4.75% of (L) = ` 369.79

Total of allowances = (II) = ` 1556.17

Say Rs. 1551.00 per Sq.M.

Total = (I) + (II) = (III) = ` 14240.62

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1268.44

Grand Total = (III)+(IV)= ` 15509.06

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 15509.06 ÷ 10.00 =Rs. 1550.91

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rates for item No.12 (a), (b) & (C) for marble chip of size over 6mm but upto 10 mm

Corresponding Item No. 13 of Section -VIII of MbPT SOR 2014
 New Item No. 13 of Section -VIII
 NBO Ref. No.14.19 Page:589 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in cost of tiles of 6mm marble chips and 10mm marble chips (Market Enquiry)	10.00	Sq.M.	54.49	544.88							
TOTAL (M) =Rs.					544.88	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	544.88	Total = (I) + (II) =	(III)	= `	544.88
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	54.49
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	599.36
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				599.36 ÷ 10.00		=Rs.	59.94
				Say Rs. 60.00 per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying fully chequered pre-cast terrazzo tread tiles 20-25mm thick (chip size upto 6 mm) in steps laid on 25mm to 40mm thick CM (1:3) etc.
(A) Grey colour

Corresponding Item No. 14a of Section -VIII of MbPT SOR 2014
New Item No. 14a of Section -VIII
NBO Ref. No.14.19 & 14.20 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazo tiles 22 mm thick, chip size upto 6mm Grey coloured	11.00	Sq.M.	180.51	1985.64	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.225	Cu.M.	6223.56	1400.30	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17		Additional:					
5.	Sundries	Lumpsum			30.00	4.	Mason II	0.220	No.	525.00	115.50	
						5.	Mazdoor-Male	0.650	No.	478.85	311.25	
						6.	Mazdoor-Female	0.220	No.	478.85	105.35	
						7.	Mazdoor-Male	5.000	No.	478.85	2394.25	
							for rubbing and polishing					
							Labour cost of CM 1:3 - 0.225 Cu.M.				96.97	
TOTAL (M) =Rs.					4050.22	TOTAL (L) =Rs.					8304.16	

Total of (M) + (L) =	(I)	= `	12354.38	Total = (I) + (II) =	(III)	= `	14002.57
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	123.54	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1235.44
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	1130.20	Grand Total	=	(III)+(IV)= `	15238.00
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	394.45	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	1648.19	Therefore, Unit cost		=	
				15238.00	÷	10.00	=Rs. 1523.80
			Say Rs. 1524.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying fully chequered pre-cast terrazzo tread tiles 20-25mm thick (chip size upto 6 mm) in steps laid on 25mm to 40mm thick CM (1:3) etc.
(B) Coloured

Corresponding Item No. 14b of Section -VIII of MbPT SOR 2014
New Item No. 14b of Section -VIII
NBO Ref. No.14.19 & 14.20 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazo tiles 22 mm thick, chip size upto 6mm Coloured	11.00	Sq.M.	180.51	1985.64	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.255	Cu.M.	6223.56	1587.01	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.022	MT	5762.73	126.78	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	White cement	44.00	Kgs.	25.42	1118.65	4.	Additional: Mason II	0.220	No.	525.00	115.50	
5.	Medium shade pigment	3.050	Kgs.	41.29	125.93	5.	Mazdoor-Male	0.650	No.	478.85	311.25	
6.	Sundries	Lumpsum			30.00	6.	Mazdoor-Female	0.220	No.	478.85	105.35	
						7.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
							Labour cost of CM 1:3 - 0.255 Cu.M.				109.90	
TOTAL (M) =Rs.					4974.00	TOTAL (L) =Rs.					8317.09	

Total of (M) + (L) =	(I)	= `	13291.08	Total = (I) + (II) =	(III)	= `	14951.01
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	132.91	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1329.11
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	1131.96	Grand Total	=	(III)+(IV)= `	16280.12
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	395.06	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	1659.93	Therefore, Unit cost	=		
				16280.12	÷	10.00	=Rs. 1628.01
			Say Rs. 1628.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying fully chequered pre-cast terrazzo tread tiles 20-25mm thick (chip size upto 6 mm) in steps laid on 25mm to 40mm thick CM (1:3) etc.
(C) White/ light colour

Corresponding Item No. 14c of Section -VIII of MbPT SOR 2014
New Item No. 14c of Section -VIII
NBO Ref. No.14.19(c) Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazo tiles 22 mm thick, chip size upto 6mm White/ light coloured	11.00	Sq.M.	208.36	2291.93	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.255	Cu.M.	6223.56	1587.01	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.022	MT	5762.73	126.78	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	White cement	44.00	Kgs.	25.42	1118.65	4.	Additional: Mason II	0.220	No.	525.00	115.50	
5.	Medium shade pigment	3.080	Kgs.	41.29	127.17	5.	Mazdoor-Male	0.650	No.	478.85	311.25	
6.	Sundries	Lumpsum			30.00	6.	Mazdoor-Female	0.220	No.	478.85	105.35	
						7.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
							Labour cost of CM 1:3 - 0.255 Cu.M.				109.90	
TOTAL (M) =Rs.					5281.53	TOTAL (L) =Rs.					8317.09	

Total of (M) + (L) =	(I)	= `	13598.62	Total = (I) + (II) =	(III)	= `	15261.62
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	135.99	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1359.86
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	1131.96	Grand Total	=	(III)+(IV)= `	16621.48
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	395.06	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	1663.00	Therefore, Unit cost	=		
				16621.48	÷	10.00	=Rs. 1662.15
			Say Rs. 1662.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing & laying pre-cast (Ironite) heavy duty tiles 25mm thick laid on 25mm to 40mm etc.
(A) Grey colour

Corresponding Item No. 15a of Section -VIII of MbPT SOR 2014
 New Item No. 15a of Section -VIII
 NBO Ref. No.14.19 & 14.20 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast heavy duty tiles - 25 mm thick Grey color	11.00	Sq.M.	278.45	3062.95	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17		Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
5.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					5003.06	TOTAL (L) =Rs.					4650.91	

Total of (M) + (L) = (I) = ` 9653.98

Add: Allowance for Water charges @1% of (I) = ` 96.54

Add: Allowance for PF @13.61% of (L) = ` 632.99

Add: Allowance for Employee' insurance @4.75% of (L) = ` 220.92

Total of allowances = (II) = ` 950.45

Say Rs. 1157.00 per Sq.M.

Total = (I) + (II) = (III) = ` 10604.43

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 965.40

Grand Total = (III)+(IV)= ` 11569.82

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 11569.82 ÷ 10.00 =Rs. 1156.98

Rate Analysis for 10.00 Sq.M. of Item:
Providing & laying pre-cast (Ironite) heavy duty tiles 25mm thick laid on 25mm to 40mm etc.
(B) Red/ Chocolate/ Fawn yellow colour

Corresponding Item No. 15b of Section -VIII of MbPT SOR 2014
 New Item No. 15b of Section -VIII
 NBO Ref. No. . Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast heavy duty tiles - 25 mm thick Red/ Chocolate/ Fawn yellow colour	11.00	Sq.M.	334.14	3675.54	1.	Mason II	2.160	No.	525.00	1134.00	
						2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
						3.	Mazdoor-Male	5.000	No.	478.85	2394.25	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83		for rubbing and polishing					
3.	Grey cement	0.066	MT	5762.73	380.34		Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
4.	White cement	22.00	Kgs.	25.42	559.32							
5.	Med. shaded pigment	3.080	Kgs.	41.29	127.17							
6.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					6048.20	TOTAL (L) =Rs.					4650.91	

Total of (M) + (L) =	(I)	= `	10699.11	Total = (I) + (II) =	(III)	= `	11660.01
Add: Allowance for Water charges @1% of (I)		= `	106.99	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1069.91
Add: Allowance for PF @13.61% of (L)		= `	632.99	Grand Total	=	(III)+(IV)= `	12729.92
Add: Allowance for Employee' insurance @4.75% of (L)		= `	220.92	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	960.90	Therefore, Unit cost	12729.92	÷	10.00 =Rs. 1272.99
			Say Rs. 1273.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing & laying pre-cast (Ironite) heavy duty tiles 25mm thick laid on 25mm to 40mm etc.
(C) White/ Pink/ Green/ Cream yellow colour

Corresponding Item No. 15c of Section -VIII of MbPT SOR 2014
 New Item No. 15c of Section -VIII
 NBO Ref. No. . Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast heavy duty tiles - 25 mm thick White/ Pink/ Green/ Cream yellow colour	11.00	Sq.M.	376.39	4140.26	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.044	MT	5762.73	253.56	3.	Mazdoor-Male	5.000	No.	478.85	2394.25	
4.	White cement	44.00	Kgs.	25.42	1118.65		for rubbing and polishing					
5.	White pigment	3.080	Kgs.	59.32	182.71		Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
6.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					7001.01	TOTAL (L) =Rs.					4650.91	

Total of (M) + (L) = (I) = ` 11651.93

Add: Allowance for Water charges @1% of (I) = ` 116.52

Add: Allowance for PF @13.61% of (L) = ` 632.99

Add: Allowance for Employee' insurance @4.75% of (L) = ` 220.92

Total of allowances = (II) = ` 970.43

Say Rs. 1379.00 per Sq.M.

Total = (I) + (II) = (III) = ` 12622.35

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1165.19

Grand Total = (III)+(IV)= ` 13787.55

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 13787.55 ÷ 10.00 =Rs. 1378.75

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing machine cut and machine polished Kota stone 22-40mm thick in flooring laid on 25mm to 40mm thick cement mortar (1:6) etc.

Corresponding Item No. 16 of Section -VIII of MbPT SOR 2014
 New Item No. 16 of Section -VIII
 NBO Ref. No.14.42a Page:603 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Kota stone - 22mm to 40mm thick including 15% wastage	11.50	Sq.M.	346.61	3986.03	1.	Mason II	5.400	No.	525.00	2835.00	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.280	Cu.M.	4725.25	1323.07	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.064	MT	5762.73	368.81	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	Pigment	4.500	Kgs.	41.29	185.79		Labour cost of CM 1:6 - 0.280 Cu.M.				120.67	
5.	Sundries	Lumpsum			50.00							
TOTAL (M) =Rs.					5913.71	TOTAL (L) =Rs.					7102.51	

Total of (M) + (L) = (I) = ` 13016.22

Add: Allowance for Water charges @1% of (I) = ` 130.16

Add: Allowance for PF @13.61% of (L) = ` 966.65

Add: Allowance for Employee' insurance @4.75% of (L) = ` 337.37

Total of allowances = (II) = ` 1434.18

Say Rs. 1575.00 per Sq.M.

Total = (I) + (II) = (III) = ` 14450.40

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1301.62

Grand Total = (III)+(IV)= ` 15752.02

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 15752.02 ÷ 10.00 =Rs. 1575.20

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing machine cut and machine polished Kota stone 22 to 40 mm thick tread steps with rounded nosing single piece upto 1200mm long, 300 mm wide in flooring laid on 25mm to 40mm thick cement mortar (1:3)

Corresponding Item No. 17 of Section -VIII of MbPT SOR 2014
 New Item No. 17 of Section -VIII
 NBO Ref. No.14.44, 14.58 & 14.49 Page:606 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Kota stone - 22mm to 40mm thick including 15% wastage	11.50	Sq.M.	346.61	3986.03	1.	Mason I	1.500	No.	540.38	810.57	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.120	Cu.M.	6223.56	746.83	2.	Mason II	6.500	No.	525.00	3412.50	
3.	Grey cement	0.064	MT	5762.73	368.81	3.	Mazdoor-Male	6.500	No.	478.85	3112.53	
4.	Pigment	4.500	Kgs.	41.29	185.79	4.	Mazdoor-Female	4.300	No.	478.85	2059.06	
5.	Sundries	Lumpsum			50.00	5.	Mason II	0.200	No.	525.00	105.00	
						6.	Mazdoor-Female	0.200	No.	478.85	95.77	
							Labour cost of CM 1:3 - 0.120 Cu.M.				51.72	
TOTAL (M) =Rs.					5337.46	TOTAL (L) =Rs.					9647.14	

Total of (M) + (L) = (I) = ` 14984.60

Add: Allowance for Water charges @1% of (I) = ` 149.85

Add: Allowance for PF @13.61% of (L) = ` 1312.98

Add: Allowance for Employee' insurance @4.75% of (L) = ` 458.24

Total of allowances = (II) = ` 1921.06

Say Rs. 1840.00 per Sq.M.

Total = (I) + (II) = (III) = ` 16905.66

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1498.46

Grand Total = (III)+(IV)= ` 18404.12

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 18404.12 ÷ 10.00 =Rs. 1840.41

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing machine cut and machine polished Tandur stone average 25mm thick in flooring on 25mm to 40 mm lime mortar (1:2) or cm. (1:3) ... etc.

Corresponding Item No. 18 of Section -VIII of MbPT SOR 2014
 New Item No. 18 of Section -VIII
 NBO Ref. No.14.42 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tandur stone slabs average 25mm thick including 15% wastage	11.50	Sq.M.	300.85	3459.76	1.	Mason II	5.400	No.	525.00	2835.00	
2.	Lime mortar (1:2) (Material cost of LM 1:2)	0.280	Cu.M.	5327.47	1491.69	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.064	MT	5762.73	368.81	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	Pigment	4.500	Kgs.	41.29	185.79	Labour cost of LM 1:2 - 0.280 Cu.M.						191.73
5.	Sundries	Lumpsum			50.00							
TOTAL (M) =Rs.					5556.06	TOTAL (L) =Rs.					7173.57	

Total of (M) + (L) = (I) = ` 12729.63

Add: Allowance for Water charges @1% of (I) = ` 127.30

Add: Allowance for PF @13.61% of (L) = ` 976.32

Add: Allowance for Employee' insurance @4.75% of (L) = ` 340.74

Total of allowances = (II) = ` 1444.36

Say Rs. 1545.00 per Sq.M.

Total = (I) + (II) = (III) = ` 14173.99

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1272.96

Grand Total = (III)+(IV)= ` 15446.96

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 15446.96 ÷ 10.00 =Rs. 1544.70

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing Ceramic tiles of suitable size etc.

Corresponding Item No. 19 of Section -VIII of MbPT SOR 2014
 New Item No. 19 of Section -VIII
 NBO Ref. No.14.28 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Ceramic tiles including general wastage & breakage	10.25	Sq.M.	347.46	3561.45	1.	Mason I	7.000	No.	540.38	3782.66	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.140	Cu.M.	6223.56	871.30	2.	Mazdoor-Female	7.000	No.	478.85	3351.95	
3.	Grey cement	0.033	MT	5762.73	190.17	Labour cost of CM 1:3 - 0.140 Cu.M.						60.34
4.	Pointing with white cement	Lumpsum			35.00							
5.	Sundries	Lumpsum			30.00							
TOTAL (M) =Rs.					4687.92	TOTAL (L) =Rs.					7194.95	

Total of (M) + (L) = (I) = ` 11882.86

Add: Allowance for Water charges @1% of (I) = ` 118.83

Add: Allowance for PF @13.61% of (L) = ` 979.23

Add: Allowance for Employee' insurance @4.75% of (L) = ` 341.76

Total of allowances = (II) = ` 1439.82

Say Rs. 1451.00 per Sq.M.

Total = (I) + (II) = (III) = ` 13322.68

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1188.29

Grand Total = (III)+(IV)= ` 14510.97

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 14510.97 ÷ 10.00 =Rs. 1451.10

Rate Analysis for 1.00 Sq.M. of Item:
Extra over rate for providing 'Marbonite classic series' tiles of 1st quality 0.6X0.6m size tiles etc. instead of ceramic tiles in item No.19 above

Corresponding Item No. 20a of Section -VIII of MbPT SOR 2014
 New Item No. 20a of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate between 'Morbonite' tiles and ceramic tiles	1.00	Sq.M.	614.41	614.41		Difference in rates =	961.87	-	347.46	=	614.41
TOTAL (M) =Rs.					614.41	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 614.41

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Say Rs. 676.00 per Sq.M.

Total = (I) + (II) = (III) = ` 614.41

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 61.44

Grand Total = (III)+(IV)= ` 675.85

This is cost for 1.00 Sq.M.

Therefore, Unit cost = 675.85 ÷ 1.00 =Rs. 675.85

Rate Analysis for 1.00 Sq.M. of Item:
Extra over rate for providing 'Marbonite Special marble series' tiles 1st quality 0.6X0.6m size tiles etc. instead of ceramic tiles in item No.19 above

Corresponding Item No. 20b of Section -VIII of MbPT SOR 2014
 New Item No. 20b of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate between 'Marbonite Special marble series' tiles and ceramic tiles	1.00	Sq.M.	397.46	397.46							
							Difference in rates =	744.92	-	347.46	=	397.46
					TOTAL (M) =Rs.					TOTAL (L) =Rs.		

Total of (M) + (L) = (I) = ` 397.46

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Say Rs. 437.00 per Sq.M.

Total = (I) + (II) = (III) = ` 397.46

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 39.75

Grand Total = (III)+(IV)= ` 437.20

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 437.20 ÷ 1.00 =Rs. 437.20

Rate Analysis for 1.00 Sq.M. of Item:
Extra over rate for providing 'Marbonite Granite series' of 1st quality 0.6X.0.6m size tiles etc.
instead of ceramic tiles in item No.19 above

Corresponding Item No. 20c of Section -VIII of MbPT SOR 2014
 New Item No. 20c of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate between 'Marbonite Granite series' and ceramic tiles	1.00	Sq.M.	1000.00	1000.00							
							Difference in rates =	1,347.46	-	347.46	=	1,000.00
					TOTAL (M) =Rs.					TOTAL (L) =Rs.		

Total of (M) + (L) = (I) = ` 1000.00

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Say Rs. 1100.00 per Sq.M.

Total = (I) + (II) = (III) = ` 1000.00

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 100.00

Grand Total = (III)+(IV)= ` 1100.00

This is cost for 1.00 Sq.M.

Therefore, Unit cost = 1100.00 ÷ 1.00 =Rs. 1100.00

Rate Analysis for 1.00 Sq.M. of Item:
Extra over rate for providing 'Marbonite - Classic series' of HR Jonson tiles of size 0.80x0.80m or nearest available or equivalent etc. instead of ceramic tiles in item No.19 above

Corresponding Item No. 21a of Section -VIII of MbPT SOR 2014
 New Item No. 21a of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate between 'Marbonite - Classic series' of HR Jonson and ceramic tiles	1.00	Sq.M.	814.35	814.35							
							Difference in rates =	1,161.81	-	347.46	=	814.35
					TOTAL (M) =Rs.					TOTAL (L) =Rs.		

Total of (M) + (L) = (I) = ` 814.35

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Say Rs. 896.00 per Sq.M.

Total = (I) + (II) = (III) = ` 814.35

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 81.43

Grand Total = (III)+(IV)= ` 895.78

This is cost for 1.00 Sq.M.

Therefore, Unit cost = 895.78 ÷ 1.00 =Rs. 895.78

Rate Analysis for 1.00 Sq.M. of Item:
Extra over rate for providing 'Marbonite - Special marble and granite series' of HR Johnson tiles of size 0.80x0.80m or nearest available or equivalent etc. instead of ceramic tiles in item No.19 above

Corresponding Item No. 21b of Section -VIII of MbPT SOR 2014
 New Item No. 21b of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate between 'Marbonite - Special marble and granite series' of HR Johnson and ceramic tiles	1.00	Sq.M.	755.78	755.78							
							Difference in rates =	1,103.24	-	347.46	=	755.78
					TOTAL (M) =Rs.					TOTAL (L) =Rs.		

Total of (M) + (L) = (I) = ` 755.78

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Say Rs. 831.00 per Sq.M.

Total = (I) + (II) = (III) = ` 755.78

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 75.58

Grand Total = (III)+(IV)= ` 831.36

This is cost for 1.00 Sq.M.

Therefore, Unit cost = 831.36 ÷ 1.00 =Rs. 831.36

Rate Analysis for 1.00 Sq.M. of Item:
Extra over rate for providing 'Marbonite - Granite series' of HR Jonson tiles of size 0.80x0.80m or nearest available or equivalent etc. instead of ceramic tiles in item No.19 above

Corresponding Item No. 21c of Section -VIII of MbPT SOR 2014
 New Item No. 21c of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate between 'Marbonite - Granite series' of HR Jonson and ceramic tiles	1.00	Sq.M.	1437.50	1437.50							
							Difference in rates =	1,784.96	-	347.46	=	1,437.50
					TOTAL (M) =Rs.					TOTAL (L) =Rs.		

Total of (M) + (L) = (I) = ` 1437.50

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

Say Rs. 1581.00 per Sq.M.

Total = (I) + (II) = (III) = ` 1437.50

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 143.75

Grand Total = (III)+(IV)= ` 1581.25

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 1581.25 ÷ 1.00 =Rs. 1581.25

Rate Analysis for 10.00 Sq.M. of Item:
Indian white marble with grey veins (Adanga commercial variety) 20 to 25 mm thick in dado in pieces 0.45x0.45mm in cement mortar (1:6) 45mm thick etc.

Corresponding Item No. 22 of Section -VIII of MbPT SOR 2014
 New Item No. 22 of Section -VIII
 NBO Ref. No.14.35a Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Marble tiles - 20-25mm thick incl. 15% wastage	11.50	Sq.M.	974.58	11207.66	1.	Mason I	14.000	No.	540.38	7565.32	
2.	Cement mortar (1:6) (Material cost of CM 1:6)	0.228	Cu.M.	4725.25	1077.36	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Cement slurry for bed and joints	0.050	MT	5762.73	288.14	3.	Mazdoor-Female	6.500	No.	478.85	3112.53	
4.	Sundries	Lumpsum			200.00	4.	Mazdoor-Male for rubbing and polishing	9.700	No.	478.85	4644.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					12773.15						18533.48	

Total of (M) + (L) = (I) = ` 31306.63

Add: Allowance for Water charges @1% of (I) = ` 313.07

Add: Allowance for PF @13.61% of (L) = ` 2522.41

Add: Allowance for Employee' insurance @4.75% of (L) = ` 880.34

Total of allowances = (II) = ` 3715.81

Say Rs. 3815.00 per Sq.M.

Total = (I) + (II) = (III) = ` 35022.44

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 3130.66

Grand Total = (III)+(IV)= ` 38153.10

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 38153.10 ÷ 10.00 =Rs. 3815.31

Rate Analysis for 10.00 Sq.M. of Item:
Indian white marble with grey veins (Adanga commercial variety) 20 to 25 mm in dado in pieces 0.45 x 0.45 m or bigger in cm (1:3) etc.

Corresponding Item No. 23 of Section -VIII of MbPT SOR 2014
 New Item No. 23 of Section -VIII
 NBO Ref. No.14.35a Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Marble tiles - 20-25mm thick incl. 15% wastage	11.50	Sq.M.	974.58	11207.66	1.	Mason I	14.000	No.	540.38	7565.32	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.224	Cu.M.	6223.56	1394.08	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Cement slurry for bed and joints	0.050	MT	5762.73	288.14	3.	Mazdoor-Female	6.500	No.	478.85	3112.53	
4.	Sundries	Lumpsum			200.00	4.	Mazdoor-Male for rubbing and polishing	9.700	No.	478.85	4644.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					13089.87						18531.75	

Total of (M) + (L) = (I) = ` 31621.62

Add: Allowance for Water charges @1% of (I) = ` 316.22

Add: Allowance for PF @13.61% of (L) = ` 2522.17

Add: Allowance for Employee' insurance @4.75% of (L) = ` 880.26

Total of allowances = (II) = ` 3718.65

Say Rs. 3850.00 per Sq.M.

Total = (I) + (II) = (III) = ` 35340.27

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 3162.16

Grand Total = (III)+(IV)= ` 38502.43

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 38502.43 ÷ 10.00 =Rs. 3850.24

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for using 25mm thick marble slabs 2m. long having width 0.6m or more for Item No.23 above

Corresponding Item No. 24 of Section -VIII of MbPT SOR 2014
 New Item No. 24 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate between size 0.45 X 0.45 and 0.60 X 2.00 tiles	11.50	Sq.M.	101.70	1169.49		Difference in rates =	1,076.27	-	974.58	=	101.70

TOTAL (M) =Rs. 1169.49

TOTAL (L) =Rs.

Total of (M) + (L) = (I) = ` 1169.49

Total = (I) + (II) = (III) = ` 1169.49

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 116.95

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 1286.44

Add: Allowance for Employee' insurance @4.75% of (L) = `

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 1286.44 ÷ 10.00 =Rs. 128.64

Total of allowances = (II) = `

Say Rs. 129.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for using marble of size 2.40m x 0.90m or above for Item No.23 above

Corresponding Item No. 25 of Section -VIII of MbPT SOR 2014
 New Item No. 25 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate between size 0.45 X 0.45 and 0.90 X 2.40 tiles	11.50	Sq.M.	256.78	2952.97		Difference in rates =	1,231.36	-	974.58	=	256.78
TOTAL (M) =Rs.					2952.97	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 2952.97

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 325.00 per Sq.M.

Total = (I) + (II) = (III) = ` 2952.97

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 295.30

Grand Total = (III)+(IV)= ` 3248.27

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 3248.27 ÷ 10.00 =Rs. 324.83

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 40mm thick in-situ marble terrazzo flooring consisting of under layer of 32mm thick (1:3) cement mortar, top layer 5mm thick with marble chips 3mm thick etc. Grey colour

Corresponding Item No. 26 of Section -VIII of MbPT SOR 2014
 New Item No. 26 of Section -VIII
 NBO Ref. No.14.1b Page:573 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone aggregate-10 mm	0.288	Cu.M.	898.31	258.71	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Coarse sand	0.144	Cu.M.	2,994.92	431.27	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Cement	0.052	MT	5762.73	299.66	3.	Mazdoor-Female	1.620	No.	478.85	775.74	
4.	Marble chips	1.225	qntl.	1169.49	1432.63	4.	Bhisti	0.540	No.	478.85	258.58	
5.	Marble powder	0.120	Kg.	7.63	0.92	5.	Mazdoor-Male for rubbing and polishing	9.720	No.	478.85	4654.42	
6.	Pigment	3.640	Kgs.	41.29	150.29							
7.	Aluminium strip-40 X 3 mm	3.460	Kgs.	161.02	557.12							
8.	Cement top layer-8mm	0.1033	MT	5762.73	595.29							
9.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					3775.89	TOTAL (L) =Rs.					7857.05	

Total of (M) + (L) =	(I)	= `	11632.94	Total = (I) + (II) =	(III)	= `	13191.82
Add: Allowance for Water charges @1% of (I)		= `	116.33	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1163.29
Add: Allowance for PF @13.61% of (L)		= `	1069.35	Grand Total	=	(III)+(IV)= `	14355.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	373.21	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	1558.88	Therefore, Unit cost	14355.12	÷	10.00 =Rs. 1435.51
			Say Rs. 1436.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for using neutral colour tiles in place of grey colour for Item No.26 above

Corresponding Item No. 27 of Section -VIII of MbPT SOR 2014
 New Item No. 27 of Section -VIII
 NBO Ref. No.14.1(a) & (c) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate for using white cement in place of grey cement	26.000	Kgs.	19.66	511.19		Difference in rates =	25.42	-	5.76	=	19.66
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	

Total of (M) + (L) = (I) = ` 511.19

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 56.00 per Sq.M.

Total = (I) + (II) = (III) = ` 511.19

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 51.12

Grand Total = (III)+(IV)= ` 562.31

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 562.31 ÷ 10.00 =Rs. 56.23

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for using light coloured cement in place of grey colour cement for item No.24 above

Corresponding Item No. 28 of Section -VIII of MbPT SOR 2014
 New Item No. 28 of Section -VIII
 NBO Ref. No.14.1(b) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate for using white cement & pigment in place of grey cement	52.000	Kgs.	19.66	1022.38		Difference in rates =	25.42	-	5.76	=	19.66

TOTAL (M) =Rs. 1022.38

TOTAL (L) =Rs.

Total of (M) + (L) = (I) = ` 1022.38

Total = (I) + (II) = (III) = ` 1022.38

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 102.24

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 1124.61

Add: Allowance for Employee' insurance @4.75% of (L) = `

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 1124.61 ÷ 10.00 =Rs. 112.46

Total of allowances = (II) = `

Say Rs. 112.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing laying 40mm thick grey coloured in-situ terrazzo flooring consisting of under layer of 30mm CC (1:2:4) and top layer of 10mm thick etc.

Corresponding Item No. 29 of Section -VIII of MbPT SOR 2014
 New Item No. 29 of Section -VIII
 NBO Ref. No.14.2 & 14.6 Page:575 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone aggregate-10 mm	0.272	Cu.M.	898.31	244.34	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Coarse sand	0.136	Cu.M.	2,994.92	407.31	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Cement	0.0636	MT	5762.73	366.51	3.	Mazdoor-Female	1.620	No.	478.85	775.74	
4.	Marble chips	1.576	qntl.	1169.49	1843.12	4.	Bhisti	0.540	No.	478.85	258.58	
5.	Marble powder	0.014	Kg.	7.63	0.11	5.	Mazdoor-Male for rubbing and polishing	9.720	No.	478.85	4654.42	
6.	Pigment	4.450	Kgs.	41.29	183.73							
7.	Aluminium strip-40 X 3 mm	3.460	Kgs.	161.02	557.12							
8.	Cement top layer-10mm	0.0977	MT	5762.73	563.02							
9.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					4215.26	TOTAL (L) =Rs.					7857.05	

Total of (M) + (L) =	(I)	= `	12072.31	Total = (I) + (II) =	(III)	= `	13635.59
Add: Allowance for Water charges @1% of (I)		= `	120.72	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1207.23
Add: Allowance for PF @13.61% of (L)		= `	1069.35	Grand Total	=	(III)+(IV)= `	14842.82
Add: Allowance for Employee' insurance @4.75% of (L)		= `	373.21	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	1563.28	Therefore, Unit cost	14842.82	÷	10.00 =Rs. 1484.28
			Say Rs. 1484.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for using neutral colour cement tiles in place grey cement tiles for Item No.29 above

Corresponding Item No. 30 of Section -VIII of MbPT SOR 2014
 New Item No. 30 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate for using white cement in place of grey cement	31.80	Kgs.	19.66	625.22		Difference in rates =	25.42	-	5.76	=	19.66

TOTAL (M) =Rs. 625.22

TOTAL (L) =Rs.

Total of (M) + (L) = (I) = ` 625.22

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 625.22

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 62.52

Grand Total = (III)+(IV)= ` 687.74

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 687.74 ÷ 10.00 =Rs. 68.77

Say Rs. 69.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for using light colour cement in place of grey cement for Item No.29 above

Corresponding Item No. 31 of Section -VIII of MbPT SOR 2014
 New Item No. 31 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate for using white cement & pigment in place of grey cement	63.60	Kgs.	19.66	1250.44		Difference in rates =	25.42	-	5.76	=	19.66
TOTAL (M) =Rs.					1250.44	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 1250.44

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 138.00 per Sq.M.

Total = (I) + (II) = (III) = ` 1250.44

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 125.04

Grand Total = (III)+(IV)= ` 1375.49

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 1375.49 ÷ 10.00 =Rs. 137.55

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying in-situ terrazzo 25mm thick in grey cement in skirting and dado consisting of 15mm thick blacking of cement plaster etc.

Corresponding Item No. 32 of Section -VIII of MbPT SOR 2014
 New Item No. 32 of Section -VIII
 NBO Ref. No.14.4b & 14.5 Page:581 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Marble chips	1.048	qntl.	1169.49	1225.63	1.	Mason II	2.700	No.	525.00	1417.50	
2.	Marble powder	0.009	Kg.	7.63	0.07	2.	Mazdoor-Male	1.900	No.	478.85	909.82	
3.	Pigment	3.240	Kgs.	41.29	133.77	3.	Mazdoor-Female	2.150	No.	478.85	1029.53	
4.	Cement top layer-10mm	0.0463	MT	5762.73	266.81	4.	Bhisti	0.550	No.	478.85	263.37	
5.	Sundries		Lumpsum		30.00	5.	Mazdoor-Male	9.700	No.	478.85	4644.85	
6.	Cement mortar (1:3) (Material cost of CM 1:3)	0.202	Cu.M.	6223.56	1257.16		for rubbing and polishing For dado exceeding 3 m:					
							Mason II	0.200	No.	525.00	105.00	
							Mazdoor-Male	0.200	No.	478.85	95.77	
							Mazdoor-Female	0.200	No.	478.85	95.77	
							Labour cost of CM 1:3 - 0.202 Cu.M.				87.05	
TOTAL (M) =Rs.					2913.44	TOTAL (L) =Rs.					8648.65	

Total of (M) + (L) = (I) = ` 11562.09

Add: Allowance for Water charges @1% of (I) = ` 115.62

Add: Allowance for PF @13.61% of (L) = ` 1177.08

Add: Allowance for Employee' insurance @4.75% of (L) = ` 410.81

Total of allowances = (II) = ` 1703.51

Say Rs. 1442.00 per Sq.M.

Total = (I) + (II) = (III) = ` 13265.61

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1156.21

Grand Total = (III)+(IV)= ` 14421.82

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 14421.82 ÷ 10.00 =Rs. 1442.18

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for using neutral colour binder in place of grey cement for item No.32 above

Corresponding Item No. 33 of Section -VIII of MbPT SOR 2014
 New Item No. 33 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate for using white cement in place of grey cement	46.30	Kgs.	19.66	910.31		Difference in rates =	25.42	-	5.76	=	19.66

TOTAL (M) =Rs. 910.31

TOTAL (L) =Rs.

Total of (M) + (L) = (I) = ` 910.31

Total = (I) + (II) = (III) = ` 910.31

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 91.03

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 1001.34

Add: Allowance for Employee' insurance @4.75% of (L) = `

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 1001.34 ÷ 10.00 =Rs. 100.13

Total of allowances = (II) = `

Say Rs. 100.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for using light colour binder in place of grey cement for Item No.32 above

Corresponding Item No. 34 of Section -VIII of MbPT SOR 2014
 New Item No. 34 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Difference in rate for using white cement & pigment in place of grey cement	46.30	Kgs.	19.66	910.31		Difference in rates =	25.42	-	5.76	=	19.66
TOTAL (M) =Rs.					910.31	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 910.31

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 100.00 per Sq.M.

Total = (I) + (II) = (III) = ` 910.31

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 91.03

Grand Total = (III)+(IV)= ` 1001.34

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 1001.34 ÷ 10.00 =Rs. 100.13

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(a)(i) Plain cement tiles - Grey colour

Corresponding Item No. 35a(i) of Section -VIII of MbPT SOR 2014
New Item No. 35a(i) of Section -VIII
NBO Ref. No.14.85 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast cement tiles 20mm thick including 10% wastage	11.000	Sq.M.	161.31	1774.40	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17	Extra:						
5.	Sundries	Lumpsum			30.00	4.	Mason I	1.750	No.	540.38	945.67	
						5.	Mazdoor-Female	1.750	No.	478.85	837.99	
							Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
					TOTAL (M) =Rs.					TOTAL (L) =Rs.	6434.57	

Total of (M) + (L) = (I) = ` 10149.08

Add: Allowance for Water charges @1% of (I) = ` 101.49

Add: Allowance for PF @13.61% of (L) = ` 875.74

Add: Allowance for Employee' insurance @4.75% of (L) = ` 305.64

Total of allowances = (II) = ` 1282.88

Total = (I) + (II) = (III) = ` 11431.96

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1014.91

Grand Total = (III)+(IV)= ` 12446.86

This is cost for 40.00 Mtrs.

Therefore, Unit cost = 12446.86 ÷ 40.00 =Rs. 311.17

Say Rs. 311.00 per Mtr.

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(a)(ii) Plain cement tiles - Red/ Chocolate/ Fawn yellow colour

Corresponding Item No. 35a(ii) of Section -VIII of MbPT SOR 2014
New Item No. 35a(ii) of Section -VIII
NBO Ref. No.14.85 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast cement tiles 20mm thick including 10% wastage	11.000	Sq.M.	185.31	2038.45	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.066	MT	5762.73	380.34	3.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	White cement	22.00	Kgs.	25.42	559.32	Extra:						
5.	Light shade pigment	3.080	Kgs.	41.29	127.17	4.	Mason I	1.750	No.	540.38	945.67	
6.	Sundries	Lumpsum			30.00	5.	Mazdoor-Male	1.750	No.	478.85	837.99	
							Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					4411.10						6434.57	

Total of (M) + (L) = (I) = ` 10845.67

Add: Allowance for Water charges @1% of (I) = ` 108.46

Add: Allowance for PF @13.61% of (L) = ` 875.74

Add: Allowance for Employee' insurance @4.75% of (L) = ` 305.64

Total of allowances = (II) = ` 1289.84

Say Rs. 331.00 per Mtr.

Total = (I) + (II) = (III) = ` 12135.51

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1084.57

Grand Total = (III)+(IV)= ` 13220.08

This is cost for 40.00 Mtrs.

Therefore, Unit cost = 13220.08 ÷ 40.00 =Rs. 330.50

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(a)(iii) Plain cement tiles - White/ Pink/ Green/ Cream yellow colour

Corresponding Item No. 35a(iii) of Section -VIII of MbPT SOR 2014
New Item No. 35a(iii) of Section -VIII
NBO Ref. No.14.85 Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast cement tiles 20mm thick including 10% wastage	11.000	Sq.M.	197.80	2175.75	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.044	MT	5762.73	253.56	3.	Mazdoor-Male for rubbing and polishing	5.000	No.	478.85	2394.25	
4.	White cement	44.00	Kgs.	25.42	1118.65	Extra:						
5.	White pigment	3.080	Kgs.	59.32	182.71	4.	Mason I	1.750	No.	540.38	945.67	
6.	Sundries	Lumpsum			30.00	5.	Mazdoor-Female	1.750	No.	478.85	837.99	
							Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
TOTAL (M) =Rs.					5036.50	TOTAL (L) =Rs.					6434.57	

Total of (M) + (L) = (I) = ` 11471.07

Add: Allowance for Water charges @1% of (I) = ` 114.71

Add: Allowance for PF @13.61% of (L) = ` 875.74

Add: Allowance for Employee' insurance @4.75% of (L) = ` 305.64

Total of allowances = (II) = ` 1296.10

Say Rs. 348.00 per Mtr.

Total = (I) + (II) = (III) = ` 12767.16

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1147.11

Grand Total = (III)+(IV)= ` 13914.27

This is cost for 40.00 Mtrs.

Therefore, Unit cost = 13914.27 ÷ 40.00 =Rs. 347.86

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(b)(i) Plain cement relief tiles - Grey colour

Corresponding Item No. 35b(i) of Section -VIII of MbPT SOR 2014
New Item No. 35b(i) of Section -VIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast cement tiles fully chequered Grey colour including 10% wastage	11.000	Sq.M.	187.29	2060.18	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mazdoor-Male	2.160	No.	478.85	1034.32	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Mason I	1.750	No.	540.38	945.67	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17	4.	Mazdoor-Male	1.750	No.	478.85	837.99	
5.	Sundries	Lumpsum			30.00		Labour cost of CM 1:3 - 0.205 Cu.M.					88.35
TOTAL (M) =Rs.					4000.29	TOTAL (L) =Rs.					4040.32	

Total of (M) + (L) = (I) = ` 8040.61

Add: Allowance for Water charges @1% of (I) = ` 80.41

Add: Allowance for PF @13.61% of (L) = ` 549.89

Add: Allowance for Employee' insurance @4.75% of (L) = ` 191.92

Total of allowances = (II) = ` 822.21

Total = (I) + (II) = (III) = ` 8862.81

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 804.06

Grand Total = (III)+(IV)= ` 9666.88

This is cost for 40.00 Mtrs.

Therefore, Unit cost = 9666.88 ÷ 40.00 =Rs. 241.67

Say Rs. 242.00 per Mtr.

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(b)(ii) Plain cement relief tiles - Red/ Chocolate/ Fawn yellow colour

Corresponding Item No. 35b(ii) of Section -VIII of MbPT SOR 2014
New Item No. 35b(ii) of Section -VIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast cement tiles fully chequered including 10% wastage Red/ Chocolate/ Fawn yellow colour	11.000	Sq.M.	187.29	2060.18	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mazdoor-Male Extra:	2.160	No.	478.85	1034.32	
3.	Grey cement	0.066	MT	5762.73	380.34	3.	Mason I	1.750	No.	540.38	945.67	
4.	White cement	22.00	Kgs.	25.42	559.32	4.	Mazdoor-Male	1.750	No.	478.85	837.99	
5.	Med. shade pigment	3.080	Kgs.	41.29	127.17		Labour cost of CM 1:3 - 0.205 Cu.M.				88.35	
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					4432.83	TOTAL (L) =Rs.					4040.32	

Total of (M) + (L) =	(I)	= `	8473.15	Total = (I) + (II) =	(III)	= `	9299.68
Add: Allowance for Water charges @1% of (I)		= `	84.73	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	847.32
Add: Allowance for PF @13.61% of (L)		= `	549.89	Grand Total	=	(III)+(IV)= `	10147.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	191.92	This is cost for	40.00	Mtrs.	
Total of allowances =	(II)	= `	826.53	Therefore, Unit cost	10147.00	÷	40.00 =Rs. 253.67
			Say Rs. 254.00			per Mtr.	

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(b)(iii) Plain cement relief tiles - White/ Pink/ Green/ Cream yellow colour

Corresponding Item No. 35b(iii) of Section -VIII of MbPT SOR 2014
New Item No. 35b(iii) of Section -VIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast cement tiles fully chequered including 10% wastage White/ Pink/ Green/ Cream yellow colour	11.000	Sq.M.	187.29	2060.18	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.205	Cu.M.	6223.56	1275.83	2.	Mazdoor-Male Extra:	2.160	No.	478.85	1034.32	
3.	Grey cement	0.044	MT	5762.73	253.56	3.	Mason I	1.750	No.	540.38	945.67	
4.	White cement	44.00	Kgs.	25.42	1118.65	4.	Mazdoor-Male	1.750	No.	478.85	837.99	
5.	Sundries		Lumpsum		30.00		Labour cost of CM 1:3 - 0.205 Cu.M.				88.347825	
TOTAL (M) =Rs.					4738.21	TOTAL (L) =Rs.					4040.32	

Total of (M) + (L) = (I) = ` 8778.53

Add: Allowance for Water charges @1% of (I) = ` 87.79

Add: Allowance for PF @13.61% of (L) = ` 549.89

Add: Allowance for Employee' insurance @4.75% of (L) = ` 191.92

Total of allowances = (II) = ` 829.59

Total = (I) + (II) = (III) = ` 9608.12

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 877.85

Grand Total = (III)+(IV)= ` 10485.97

This is cost for 40.00 Mtrs.

Therefore, Unit cost = 10485.97 ÷ 40.00 =Rs. 262.15

Say Rs. 262.00 per Mtr.

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(c)(i) Pre-cast terrazzo tiles using upto 6mm marble chips - Grey colour

Corresponding Item No. 35c(i) of Section -VIII of MbPT SOR 2014
New Item No. 35c(i) of Section -VIII
NBO Ref. No.14.15 & 14.23 Page:592 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazzo tiles 20mm thick including 10% wastage Grey colour	11.000	Sq.M.	180.51	1985.64	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.225	Cu.M.	6223.56	1400.30	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17	Labour cost of CM 1:3 - 0.225 Cu.M. Extra for cutting and rubbing & polishing:						
5.	Sundries		Lumpsum		30.00	4.	Mason I	1.750	No.	540.38	945.67	
						5.	Mazdoor-Male	5.000	No.	478.85	2394.25	
						6.	Mazdoor-Female	1.750	No.	478.85	837.99	
TOTAL (M) =Rs.					4050.22	TOTAL (L) =Rs.					9555.71	

Total of (M) + (L) = (I) = ` 13605.93

Add: Allowance for Water charges @1% of (I) = ` 136.06

Add: Allowance for PF @13.61% of (L) = ` 1300.53

Add: Allowance for Employee' insurance @4.75% of (L) = ` 453.90

Total of allowances = (II) = ` 1890.49

Say Rs. 421.00 per Mtr.

Total = (I) + (II) = (III) = ` 15496.42

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1360.59

Grand Total = (III)+(IV)= ` 16857.01

This is cost for 40.00 Mtrs.

Therefore, Unit cost = 16857.01 ÷ 40.00 =Rs. 421.43

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(c)(ii) Pre-cast terrazzo tiles using upto 6mm marble chips - Red/ Chocolate/ Fawn yellow colour

Corresponding Item No. 35c(ii) of Section -VIII of MbPT SOR 2014
New Item No. 35c(ii) of Section -VIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazzo tiles 20mm thick including 10% wastage Red/ Chocolate/ Fawn yellow colour	11.000	Sq.M.	180.51	1985.64	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.255	Cu.M.	6223.56	1587.01	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.022	MT	5762.73	126.78	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	White cement	44.00	Kgs.	25.42	1118.65	Extra for cutting and rubbing & polishing:						
5.	Med. shade pigment	3.050	Kgs.	41.29	125.93	4.	Mason I	1.750	No.	540.38	945.67	
6.	Sundries		Lumpsum		30.00	5.	Mazdoor-Male	5.000	No.	478.85	2394.25	
						6.	Mazdoor-Female	1.750	No.	478.85	837.99	
							Labour cost of CM 1:3 - 0.255 Cu.M.				109.90	
TOTAL (M) =Rs.					4974.00	TOTAL (L) =Rs.					9568.64	

Total of (M) + (L) =	(I)	= `	14542.64	Total = (I) + (II) =	(III)	= `	16444.87
Add: Allowance for Water charges @1% of (I)		= `	145.43	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1454.26
Add: Allowance for PF @13.61% of (L)		= `	1302.29	Grand Total	=	(III)+(IV)= `	17899.13
Add: Allowance for Employee' insurance @4.75% of (L)		= `	454.51	This is cost for	40.00	Mtrs.	
Total of allowances =	(II)	= `	1902.23	Therefore, Unit cost	17899.13	÷	40.00 =Rs. 447.48
			Say Rs. 447.00	per Mtr.			

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(c)(iii) Pre-cast terrazzo tiles using upto 6mm thick marble chips - White/ Pink/ Green/ Cream yellow colour

Corresponding Item No. 35c(iii) of Section -VIII of MbPT SOR 2014
New Item No. 35c(iii) of Section -VIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazzo tiles 20mm thick including 10% wastage White/ Pink/ Green/ Cream yellow colour	11.000	Sq.M.	208.36	2291.93	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.255	Cu.M.	6223.56	1587.01	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.022	MT	5762.73	126.78	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	White cement	44.00	Kgs.	25.42	1118.65	Extra for cutting and rubbing & polishing:						
5.	Pigment	3.080	Kgs.	41.29	127.17	4.	Mason I	1.750	No.	540.38	945.67	
6.	Sundries		Lumpsum		30.00	5.	Mazdoor-Male	5.000	No.	478.85	2394.25	
						6.	Mazdoor-Female	1.750	No.	478.85	837.99	
							Labour cost of CM 1:3 - 0.255 Cu.M.				109.90	
TOTAL (M) =Rs.					5281.53	TOTAL (L) =Rs.					9568.64	

Total of (M) + (L) =	(I)	= `	14850.17	Total = (I) + (II) =	(III)	= `	16755.47
Add: Allowance for Water charges @1% of (I)		= `	148.50	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1485.02
Add: Allowance for PF @13.61% of (L)		= `	1302.29	Grand Total	=	(III)+(IV)= `	18240.49
Add: Allowance for Employee' insurance @4.75% of (L)		= `	454.51	This is cost for	40.00	Mtrs.	
Total of allowances =	(II)	= `	1905.30	Therefore, Unit cost	18240.49	÷	40.00 =Rs. 456.01
			Say Rs. 456.00			per Mtr.	

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(d)(i) Pre-cast terrazzo tiles using upto 10mm marble chips - Grey colour

Corresponding Item No. 35d(i) of Section -VIII of MbPT SOR 2014
New Item No. 35d(i) of Section -VIII
NBO Ref. No.14.19 & 14.23 Page:592 Vol:I

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazzo tiles 20mm thick including 10% wastage Grey colour	11.000	Sq.M.	180.51	1985.64	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.225	Cu.M.	6223.56	1400.30	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.088	MT	5762.73	507.12	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	Dark shaded pigment	3.080	Kgs.	41.29	127.17	Extra for cutting and rubbing & polishing:						
5.	Difference in cost of tiles (as per Item No.13 above)	10.00	Sq.M.	54.49	544.88	4.	Mason I	1.750	No.	540.38	945.67	
6.	Sundries		Lumpsum		30.00	5.	Mazdoor-Male	5.000	No.	478.85	2394.25	
						6.	Mazdoor-Female	1.750	No.	478.85	837.99	
							Labour cost of CM 1:3 - 0.225 Cu.M.				96.97	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					4595.10						9555.71	

Total of (M) + (L) =	(I)	= `	14150.81	Total = (I) + (II) =	(III)	= `	16046.75
Add: Allowance for Water charges @1% of (I)		= `	141.51	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1415.08
Add: Allowance for PF @13.61% of (L)		= `	1300.53	Grand Total	=	(III)+(IV)= `	17461.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	453.90	This is cost for	40.00	Mtrs.	
Total of allowances =	(II)	= `	1895.94	Therefore, Unit cost		=	
				17461.83	÷	40.00	=Rs. 436.55
			Say Rs. 437.00			per Mtr.	

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(d)(ii) Pre-cast terrazzo tiles using upto 10mm marble chips - Red/ Chocolate/ Fawn yellow colour

Corresponding Item No. 35d(ii) of Section -VIII of MbPT SOR 2014
New Item No. 35d(ii) of Section -VIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazzo tiles 20mm thick including 10% wastage Red/ Chocolate/ Fawn yellow colour	11.000	Sq.M.	180.51	1985.64	1.	Mason II	2.160	No.	525.00	1134.00	
						2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
						3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
						Extra for cutting and rubbing & polishing:						
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.255	Cu.M.	6223.56	1587.01	4.	Mason I	1.750	No.	540.38	945.67	
3.	Grey cement	0.022	MT	5762.73	126.78	5.	Mazdoor-Male	5.000	No.	478.85	2394.25	
4.	White cement	44.00	Kgs.	25.42	1118.65	6.	Mazdoor-Female	1.750	No.	478.85	837.99	
5.	Med. shade pigment	3.080	Kgs.	41.29	127.17	Labour cost of CM 1:3 - 0.255 Cu.M.						
6.	Difference in cost of tiles (as per Item No.13 above)	10.00	Sq.M.	54.49	544.88						109.90	
7.	Sundries		Lumpsum			30.00						
TOTAL (M) =Rs.					5520.11	TOTAL (L) =Rs.					9568.64	

Total of (M) + (L) = (I) = ` 15088.75

Add: Allowance for Water charges @1% of (I) = ` 150.89

Add: Allowance for PF @13.61% of (L) = ` 1302.29

Add: Allowance for Employee' insurance @4.75% of (L) = ` 454.51

Total of allowances = (II) = ` 1907.69

Total = (I) + (II) = (III) = ` 16996.44

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1508.88

Grand Total = (III)+(IV)= ` 18505.32

This is cost for 40.00 Mtrs.

Therefore, Unit cost = 18505.32 ÷ 40.00 =Rs. 462.63

Say Rs. 463.00 per Mtr.

Rate Analysis for 40.00 Mtrs. of Item:
Providing and laying 1 tile high (about 250mm) skirting with 20mm thick pre-cast tiles laid on 10 to 12mm thick (1:3) CM backing and jointed with neat cement slurry...etc.
(d)(iii) Pre-cast terrazzo tiles using upto 10mm thick marble chips - White/ Pink/ Green/ Cream yellow colour

Corresponding Item No. 35d(iii) of Section -VIII of MbPT SOR 2014
New Item No. 35d(iii) of Section -VIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast terrazzo tiles 20mm thick including 10% wastage White/ Pink/ Green/ Cream yellow colour	11.000	Sq.M.	208.36	2291.93	1.	Mason II	2.160	No.	525.00	1134.00	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.255	Cu.M.	6223.56	1587.01	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.022	MT	5762.73	126.78	3.	Mazdoor-Female	2.160	No.	478.85	1034.32	
4.	White cement	44.00	Kgs.	25.42	1118.65	Extra for cutting and rubbing & polishing:						
5.	Pigment	3.080	Kgs.	41.29	127.17	4.	Mason I	1.750	No.	540.38	945.67	
6.	Difference in cost of tiles (as per Item No.13 above)	10.00	Sq.M.	54.49	544.88	5.	Mazdoor-Male	5.000	No.	478.85	2394.25	
7.	Sundries		Lumpsum		30.00	6.	Mazdoor-Female	1.750	No.	478.85	837.99	
							Labour cost of CM 1:3 - 0.255 Cu.M.				109.90	
TOTAL (M) =Rs.					5826.41	TOTAL (L) =Rs.					9568.64	

Total of (M) + (L) =	(I)	= `	15395.05	Total = (I) + (II) =	(III)	= `	17305.80
Add: Allowance for Water charges @1% of (I)		= `	153.95	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1539.50
Add: Allowance for PF @13.61% of (L)		= `	1302.29	Grand Total	=	(III)+(IV)= `	18845.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	454.51	This is cost for	40.00	Mtrs.	
Total of allowances =	(II)	= `	1910.75	Therefore, Unit cost		=	
				18845.30	÷	40.00	=Rs. 471.13
			Say Rs. 471.00			per Mtr.	

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rates for respective items of plain tiling work or pre-cast terrazzo tiles in flooring for carrying out tiling work in dado.

Corresponding Item No. 36 & 37 of Section -VIII of MbPT SOR 2014
 New Item No. 36 & 37 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Mason I	1.750	No.	540.38	945.67	
						2.	Mazdoor-Male	1.750	No.	478.85	837.99	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	1783.65

Total of (M) + (L) =	(I)	= `	1783.65	Total = (I) + (II) =	(III)	= `	2111.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	178.37
Add: Allowance for PF @13.61% of (L)		= `	242.76	Grand Total	=	(III)+(IV)= `	2289.50
Add: Allowance for Employee' insurance @4.75% of (L)		= `	84.72	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	327.48	Therefore, Unit cost	2289.50	÷	10.00 =Rs. 228.95
			Say Rs. 229.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 20mm average thick Tandur stone skirting/ dado with 10mm to 12mm thick CM (1:3) backing etc.

Corresponding Item No. 38 of Section -VIII of MbPT SOR 2014
 New Item No. 38 of Section -VIII
 NBO Ref. No.14.49 Page:606 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tandur stone slab	11.500	Sq.M.	300.85	3459.76	1.	Mason II	6.500	No.	525.00	3412.50	
2.	Cement Mortar (1:3) (Material cost of CM 1:3)	0.120	Cu.M.	6223.56	746.83	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Grey cement	0.064	MT	5762.73	368.81	3.	Mazdoor-Female	4.300	No.	478.85	2059.06	
4.	Dark shade pigment	4.500	Kgs.	41.29	185.79	4.	Mazdoor-Male	10.800	No.	478.85	5171.58	
5.	Sundries		Lumpsum		50.00		for rubbing & polishing					
							Labour cost of CM 1:3 - 0.120 Cu.M.				51.72	
TOTAL (M) =Rs.					4811.19	TOTAL (L) =Rs.					13807.38	

Total of (M) + (L) = (I) = ` 18618.57

Add: Allowance for Water charges @1% of (I) = ` 186.19

Add: Allowance for PF @13.61% of (L) = ` 1879.18

Add: Allowance for Employee' insurance @4.75% of (L) = ` 655.85

Total of allowances = (II) = ` 2721.22

Say Rs. 2320.00 per Sq.M.

Total = (I) + (II) = (III) = ` 21339.79

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1861.86

Grand Total = (III)+(IV)= ` 23201.64

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 23201.64 ÷ 10.00 =Rs. 2320.16

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 20mm average thick Kota stone skirting/ dado with 10mm to 12mm thick CM (1:3) etc.

Corresponding Item No. 39 of Section -VIII of MbPT SOR 2014
 New Item No. 39 of Section -VIII
 NBO Ref. No.14.44 Page:606 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Kota stone slab	11.500	Sq.M.	346.61	3986.03	1.	Mason II	6.500	No.	525.00	3412.50	
2.	Cement Mortar (1:3) (Material cost of CM 1:3)	0.120	Cu.M.	6223.56	746.83	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Cement slurry	0.064	MT	5762.73	368.81	3.	Mazdoor-Female	4.300	No.	478.85	2059.06	
4.	Dark shade pigment	4.500	Kgs.	41.29	185.79	4.	Mazdoor-Male	10.800	No.	478.85	5171.58	
5.	Sundries		Lumpsum		50.00		for rubbing & polishing					
							Labour cost of CM 1:3 - 0.120 Cu.M.				51.72	
TOTAL (M) =Rs.					5337.46	TOTAL (L) =Rs.					13807.38	

Total of (M) + (L) = (I) = ` 19144.84

Add: Allowance for Water charges @1% of (I) = ` 191.45

Add: Allowance for PF @13.61% of (L) = ` 1879.18

Add: Allowance for Employee' insurance @4.75% of (L) = ` 655.85

Total of allowances = (II) = ` 2726.48

Say Rs. 2379.00 per Sq.M.

Total = (I) + (II) = (III) = ` 21871.32

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1914.48

Grand Total = (III)+(IV)= ` 23785.81

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 23785.81 ÷ 10.00 =Rs. 2378.58

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing machine cut and machine polished Black Kaddapah stone 30mm average thick for kitchen platform, sink and shelves etc.

Corresponding Item No. 40 of Section -VIII of MbPT SOR 2014
 New Item No. 40 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Kota stone slab	11.000	Sq.M.	346.61	3812.72	1.	Mason I	1.000	No.	540.38	540.38	
2.	Cement Mortar (1:3) (Material cost of CM 1:3)	0.400	Cu.M.	6223.56	2489.42	2.	Mazdoor-Male for rubbing & polishing	2.000	No.	478.85	957.70	
3.	Sundries		Lumpsum		50.00		Labour cost of CM 1:3 - 0.400 Cu.M.				172.39	
TOTAL (M) =Rs.					6352.15	TOTAL (L) =Rs.					1670.47	

Total of (M) + (L) =	(I)	= `	8022.61	Total = (I) + (II) =	(III)	= `	8409.54
Add: Allowance for Water charges @1% of (I)		= `	80.23	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	802.26
Add: Allowance for PF @13.61% of (L)		= `	227.35	Grand Total	=	(III)+(IV)= `	9211.80
Add: Allowance for Employee' insurance @4.75% of (L)		= `	79.35	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	386.92	Therefore, Unit cost	9211.80	÷	10.00 =Rs. 921.18
			Say Rs. 921.00	per Sq.M.			

Rate Analysis for 1.00 Sq.M. of Item:
Removing the existing vinyl flooring and cleaning the surface ...etc.

Corresponding Item No. 41 of Section -VIII of MbPT SOR 2014
 New Item No. 41 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Removing the existing vinyl flooring and cleaning the surface ...etc. (Market Enquiry)		Lumpsum		80.00							
TOTAL (M) =Rs.					80.00	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 80.00

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 88.00 per Sq.M.

Total = (I) + (II) = (III) = ` 80.00

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 8.00

Grand Total = (III)+(IV)= ` 88.00

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 88.00 ÷ 1.00 =Rs. 88.00

Rate Analysis for 1.00 Sq.M. of Item:
Providing and fixing the PVC vinyl flooring etc.

Corresponding Item No. 42 of Section -VIII of MbPT SOR 2014
 New Item No. 42 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Providing and fixing the PVC vinyl flooring etc.	1.000	Sq.M.	805.087	805.09							
2.	Adhesive, tools etc. incl. Labour for fixing (Market Enquiry)		Lumpsum		50.00							
TOTAL (M) =Rs.					855.09	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 855.09

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 941.00 per Sq.M.

Total = (I) + (II) = (III) = ` 855.09

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 85.51

Grand Total = (III)+(IV)= ` 940.60

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 940.60 ÷ 1.00 =Rs. 940.60

Rate Analysis for 2.00 Mtrs. of Item:
Providing and fixing 75mm or nearest available size wide ceramic decorative beading patti in thick cement slurry etc.

Corresponding Item No. 43 of Section -VIII of MbPT SOR 2014
 New Item No. 43 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Ceramic Patti incl. wastages of 10% (Market Enquiry)	2.200	Mtrs.	56.00	123.20	1.	Mason I	0.250	No.	540.38	135.10	
2.	Tools & tackles		Lumpsum		50.00	2.	Mazdoor-Male	0.250	No.	478.85	119.71	
TOTAL (M) =Rs.					173.20	TOTAL (L) =Rs.					254.81	

Total of (M) + (L) =	(I)	= `	428.01	Total = (I) + (II) =	(III)	= `	479.07
<u>Add:</u> Allowance for Water charges @1% of (I)		= `	4.28	<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	42.80
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	34.68	Grand Total	=	(III)+(IV)= `	521.87
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	12.10	This is cost for 2.00 Mtrs.			
Total of allowances =	(II)	= `	51.06	Therefore, Unit cost	=		
				521.87 ÷ 2.00	=Rs.		260.94
			Say Rs. 261.00	per Mtr.			

Rate Analysis for 10.00 Sq.M. of Item:
Machine polishing the existing Kota stone/ mosaic flooring to smooth finish etc.

Corresponding Item No. of Section -VIII of MbPT SOR 2014
 New Item No. 44 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for grinding machine, tools etc. (Market Enquiry)		Lumpsum		120.00	1.	Mazdoor-Male	1.000	Nos.	478.85	478.85	
2.	Sundries incl. Transport		Lumpsum		30.00							
TOTAL (M) =Rs.					150.00	TOTAL (L) =Rs.					478.85	

Total of (M) + (L) = (I) = ` 628.85

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 65.17

Add: Allowance for Employee' insurance @4.75% of (L) = ` 22.75

Total of allowances = (II) = ` 87.92

Say Rs.

Total = (I) + (II) = (III) = ` 716.77

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 62.89

Grand Total = (III)+(IV)= ` 779.65

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 779.65 ÷ 10.00 =Rs. 77.97

per Sq.M.

78.00

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying brick bat vata at the junctions of the wall and slab in terrace etc.

Corresponding Item No. of Section -VIII of MbPT SOR 2014
 New Item No. 45 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Brick bats	0.010	Cu.M.	1864.41	18.64	1.	Mason I	0.250	No.	540.38	135.10	
2.	Cement mortar	0.020	Cu.M.	5984.00	119.68	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Sundries incl. Transport		Lumpsum		30.00							
TOTAL (M) =Rs.					168.32	TOTAL (L) =Rs.					613.95	

Total of (M) + (L) = (I) = ` 782.27

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 83.56

Add: Allowance for Employee' insurance @4.75% of (L) = ` 29.16

Total of allowances = (II) = ` 112.72

Say Rs. 97.00

Total = (I) + (II) = (III) = ` 894.99

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 78.23

Grand Total = (III)+(IV)= ` 973.22

This is cost for 10.00 Mtrs.

Therefore, Unit cost = 973.22 ÷ 10.00 =Rs. 97.32

per Mtr.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 4 mm thick APP sheets

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 46a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Oil primer	2.75	Lits.	110.17	302.97	1.	Mason-I	1.00	No.	540.38	540.38	
2.	Levelling materials		Lumpsum		50.00	2.	Mazdoor-Male	3.00		478.85	1436.55	
3.	APP sheet - 4mm thick	11.00	Sq.M.	211.87	2330.52							
4.	Bituminous Aluminium paint	1.75	Lit.	152.54	266.95							
5.	Gas cylinder and torching		Lumpsum		300.00							
6.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					3300.43	TOTAL (L) =Rs.					1976.93	

Total of (M) + (L) = (I) = ` 5277.36

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 269.06

Add: Allowance for Employee' insurance @4.75% of (L) = ` 93.90

Total of allowances = (II) = ` 362.96

Say Rs. 617.00 per Sq.M.

Total = (I) + (II) = (III) = ` 5640.33

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 527.74

Grand Total = (III)+(IV)= ` 6168.06

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 6168.06 ÷ 10.0 =Rs. 616.81

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 3 mm thick APP sheets

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 46b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Oil primer	2.75	Lits.	110.17	302.97	1.	Mason-I	1.00	No.	525.00	525.00	
2.	Levelling materials		Lumpsum		30.00	2.	Mazdoor-Male	3.00	Nos.	540.38	1621.14	
3.	APP sheet - 3mm thick	11.00	Sq.M.	173.73	1911.02							
4.	Bituminous Aluminium paint	1.75	Lit.	152.54	266.95							
5.	Gas cylinder and torching		Lumpsum		250.00							
6.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					2790.94	TOTAL (L) =Rs.					2146.14	

Total of (M) + (L) = (I) = ` 4937.08

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 292.09

Add: Allowance for Employee' insurance @4.75% of (L) = ` 101.94

Total of allowances = (II) = ` 394.03

Say Rs. 582.00 per Sq.M.

Total = (I) + (II) = (III) = ` 5331.11

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 493.71

Grand Total = (III)+(IV)= ` 5824.82

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 5824.82 ÷ 10.0 =Rs. 582.48

Rate Analysis for 10.00 Sq.M. of Item:
Indian Green marble slabs or strips 16 - 20 mm thick in dado or fascia of required size etc.

Corresponding Item No. --- of Section -VIII of MbPT SOR 2014
 New Item No. 47 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Green marble - 16-20mm thick + 15% wastage	11.50	Sq.M.	584.75	6724.60	1.	Mason I	14.000	No.	540.38	7565.32	
2.	Cement mortar (1:3) (Material cost of CM 1:3)	0.224	Cu.M.	6734.00	1508.42	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Cement slurry for bed and joints	0.050	MT	5762.73	288.14	3.	Mazdoor-Female	6.500	No.	478.85	3112.53	
4.	Sundries	Lumpsum			200.00	4.	Mazdoor-Male for rubbing and polishing	9.700	No.	478.85	4644.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8721.15						18531.75	

Total of (M) + (L) = (I) = ` 27252.90

Add: Allowance for Water charges @1% of (I) = ` 272.53

Add: Allowance for PF @13.61% of (L) = ` 2522.17

Add: Allowance for Employee' insurance @4.75% of (L) = ` 880.26

Total of allowances = (II) = ` 3674.96

Say Rs. 3365.00 per Sq.M.

Total = (I) + (II) = (III) = ` 30927.86

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2725.29

Grand Total = (III)+(IV)= ` 33653.15

This is cost for

Therefore, Unit cost = 33653.15 ÷ 10.00 =Rs. 3365.31

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing Black/ Red granite slab of 16-20 mm thick in flooring/ dado etc.

Corresponding Item No. --- of Section -VIII of MbPT SOR 2014
 New Item No. 48 of Section -VIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Blac/ Red granite slab 16-20 mm thick + 15%	11.50	Sq.M.	2177.97	25046.68	1.	Mason I	14.000	No.	540.38	7565.32	
2.	Cement mortar (1:6)	0.228	Cu.M.	5235.00	1193.58	2.	Mazdoor-Male	6.500	No.	478.85	3112.53	
3.	Cement slurry for bed and joints	0.050	MT	5762.73	288.14	3.	Mazdoor-Female	6.500	No.	478.85	3112.53	
4.	Sundries	Lumpsum			200.00	4.	Mazdoor-Male for rubbing and polishing	9.700	No.	478.85	4644.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					26728.40						18533.48	

Total of (M) + (L) = (I) = ` 45261.87

Add: Allowance for Water charges @1% of (I) = ` 452.62

Add: Allowance for PF @13.61% of (L) = ` 2522.41

Add: Allowance for Employee' insurance @4.75% of (L) = ` 880.34

Total of allowances = (II) = ` 3855.36

Say Rs. 5364.00 per Sq.M.

Total = (I) + (II) = (III) = ` 49117.24

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 4526.19

Grand Total = (III)+(IV)= ` 53643.42

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 53643.42 ÷ 10.00 =Rs. 5364.34

IX - Pointing & Plastering

Sr. No.	Item Description	Rate in `	Unit
1	(a) Cement and plaster (1:3) 10 mm thick thick internally upto floor two level to concrete surfaces including roughening the surfaces and finishing the plaster smooth with cement or neeru as directed etc. complete.	304.00	Sq.M.
	(b) Extra over rate for Item No.1 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	5.00	Sq.M.
2	(a) Cement and sand plaster (1:5) 20 mm thick internally upto floor two level to brick work and concrete surfaces including raking out joints of brick work to a depth of 20 mm and roughening concrete surfaces & finishing plaster smooth with cement or neeru as directed etc. complete.	518.00	Sq.M.
	(b) Extra over rate for Item No.2 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	7.00	Sq.M.
3	(a) Cement and sand plaster (1:5) 20 mm thick internally upto floor two level, in dado including raking out joints to a depth of 20 mm, finished smooth with cement and red oxide (geru) as directed etc. complete.	525.00	Sq.M.
	(b) Extra over rate for Item No.3 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	7.00	Sq.M.
4	Extra over rate for Item Nos.1, 2 & 3 for every additional floor height above floor two level.	7.00	per floor per Sq.M.
5	(a) Sand faced cement and sand plaster (1:3) 20 mm thick in 2 coats, externally upto a height of 10 Mtrs. above ground level including raking out mortar from joints of masonry to a depth of 20 mm and roughening the concrete surface inclusive of raised bands, architectural finishing, vatas wherever necessary including scaffolding, curing etc. complete as directed.	625.00	Sq.M.

IX - Pointing & Plastering

Sr. No.	Item Description	Rate in `	Unit
	(b) Extra over rate for Item No.5 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	11.00	Sq.M.
6	(a) Sand faced cement and sand plaster 20 mm thick in 2 coats upto a height of 10 Mtrs. above ground level, under layer 10 mm thick cement mortar (1:3) and top layer 10 mm thick consisting of cement and red oxide mix and sand (1:3), as specified including scaffolding, curing as directed etc. complete.	627.00	Sq.M.
	(b) Extra over rate for Item No.6 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	11.00	Sq.M.
7	(a) Rough cast cement and sand plaster 25 mm thick in 2 coats externally upto a height of 10 Mtrs. above ground level, under layer 10 mm thick cement mortar (1:2) (1 cement : 2 sand) and top layer 15 mm cement plaster (1 cement : 1 sand : 1 stone grit or coarse sand 6 mm and down gauge), and cast rough as specified and directed including scaffolding, curing etc. complete.	760.00	Sq.M.
	(b) Extra over rate for Item No.7 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	12.00	Sq.M.
8	Extra over rate for Item Nos.5, 6 and 7 for every additional height of 5 Mtrs. or part thereof beyond 10 Mtrs.	4.00	Sq.M.
9	(a) Cement and sand guniting to a maximum thickness of 20 mm (to be done in a single operation) as directed etc. complete.	1,064.00	Sq.M.
	(b) Extra over rate for Item No.9 (a) above for adding admix guniting admixture Gunmixaid or equivalent @2 Kgs. Per bag of cement.	13.00	Sq.M.
10	Providing and applying instant neeru/ Birla White putty to the existing plastered surface by scrapping old paint neeru finish including application of bonding coat of cement paste as	83.00	Sq.M.

IX - Pointing & Plastering

Sr. No.	Item Description	Rate in `	Unit
	well as pre-wetting, scaffolding, curing etc. complete as directed.		
11	Strike pointing in cement mortar (1:3) to brick work upto a height of 10 Mtrs. above ground level as directed etc. complete.	296.00	Sq.M.
12	Tuck pointing in cement mortar (1:3) to stone masonry upto a height of 10 Mtrs. above ground level etc. complete as directed.	360.00	Sq.M.
13	Flush pointing in cement mortar (1:3) to stone work upto a height of 10 Mtrs. above ground level etc. complete as directed.	209.00	Sq.M.
14	Ruled pointing in cement mortar (1:3) to stone work upto a height of 10 Mtrs. above ground level as directed etc. complete.	217.00	Sq.M.
15	Flush pointing in cement mortar (1:3) to brick work upto a height of 10 Mtrs. above ground level as directed etc. complete.	184.00	Sq.M.
16	Ruled pointing in cement mortar (1:3) to brick work upto a height of 10 Mtrs. above ground level as directed etc. complete.	196.00	Sq.M.
17	Tuck pointing in cement mortar (1:3) to brick work upto a height of 10 Mtrs. above ground level as directed etc. complete.	315.00	Sq.M.
18	Extra over the rate for Item Nos.11, 12, 13, 14, 15, 16 & 17 for strike/ tuck/ flush/ ruled pointing on walls on the outside only for every additional height of 5 Mtrs. or part thereof beyond 10 Mtrs. as directed etc. complete.	2.00	Sq.M.
19	Providing & applying external plaster 20 mm thick or more in two coats externally to brick work or RCC members at any height/ level using pre-packed ready mix plaster of sand binder proportion - 1:3 of silico plast manufactured by M/s. Precise Conchem Pvt. Ltd. or equivalent including racking out mortar from joints of masonry to a depth of 20 mm and roughening the concrete surface inclusive of raised bands, architechural finishings, vatas at wall-chajja junctions, additional cement if necessary for corners/ finishing works/ vata, making uniform sand	830.00	Sq.M.

IX - Pointing & Plastering

Sr. No.	Item Description	Rate in `	Unit
	<p>face finish with suitable spraying machine etc. complete including necessary scaffolding, curing etc. complete as directed.</p> <p>Note: In case the thickness of plastering is more than 20 mm thick, where the brick work is partially chipped off, the contractor may apply a base coat plaster of CM 1:3 & brick bats (small pieces) at his own cost as a levelling course.</p>		
20	<p>Providing & applying plaster 20 mm thick or more in one coat internally to brick work or RCC members at any height/ level using pre-packed ready mix plaster of sand binder proportion - 1:3 of silico plast manufactured by M/s. Precise Conchem Pvt. Ltd. or equivalent including racking out mortar from joints of masonry to a depth of 20 mm and roughening the concrete surface inclusive of additional cement if necessary for corners/ finishing works/ vata, making uniform finish including finishing with neeru of approved quality etc. complete including necessary scaffolding, curing etc. as directed.</p>	717.00	Sq.M.
21	<p>Providing & applying plaster 10 mm thick or more in one coat internally to RCC members to ceiling at any height/ level using pre-packed ready mix plaster of sand binder proportion - 1:3 of silico plast manufactured by M/s. Precise Conchem Pvt. Ltd. or equivalent including roughening the concrete surface inclusive of additional cement if necessary for corners/ finishing works/ vata, making uniform finish including finishing with neeru of approved quality etc. complete including necessary scaffolding, curing etc. as directed.</p>	374.00	Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Plaster (1:3), 10 mm thick internally upto floor two level to concrete surfaces etc.

Corresponding Item No. 1a of Section -IX of MbPT SOR 2014
 New Item No. 1a of Section -IX
 NBO Ref. No.17.58(I) & 17.69 Page:32&39 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.114	Cu.M.	6223.56	709.49	1.	Mason II	0.600	No.	525.00	315.00	
2.	Cement for finishing	0.022	MT	5762.73	126.78	2.	Mazdoor-Female	0.600	No.	478.85	287.31	
3.	Scaffolding & Sundries		Lumpsum		150.00	3.	Bhisti	0.900	No.	478.85	430.97	
						4.	Extra for finishing: Mason II	0.360	No.	525.00	189.00	
						5.	Mazdoor-Female	0.360	No.	478.85	172.39	
						6.	Bhisti	0.120	No.	478.85	57.46	
							Labour cost of CM 1:3 - 0.114 Cu.M.				49.13	
TOTAL (M) =Rs.					986.27	TOTAL (L) =Rs.					1501.25	

Total of (M) + (L) =	(I)	= `	2487.52	Total = (I) + (II) =	(III)	= `	2788.02
Add: Allowance for Water charges @1% of (I)		= `	24.88	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	248.75
Add: Allowance for PF @13.61% of (L)		= `	204.32	Grand Total	=	(III)+(IV)= `	3036.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `	71.31	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	300.51	Therefore, Unit cost	=		
				3036.78 ÷ 10.00	=Rs.		303.68
			Say Rs. 304.00	per Sq.M.			

Rate Analysis

for 10.0 Sq.M. of Item: **Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent**

Corresponding Item No. 1b of Section -IX of MbPT SOR 2014
 New Item No. 1b of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	1.160	pouch	42.37	49.15							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					49.15							

Total of (M) + (L) = (I) = ` 49.15

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 49.15

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 4.92

Grand Total = (III)+(IV)= ` 54.07

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
 54.07 ÷ 10.0 =Rs. 5.41

Say Rs. 5.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Plaster (1:5), 20mm thick internally to brick work & concrete surfaces upto floor two level etc.

Corresponding Item No. 2a of Section -IX of MbPT SOR 2014
 New Item No. 2a of Section -IX
 NBO Ref. No.17.63(III) & 17.69 Page:37&39 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:5) (Material cost of CM 1:5)	0.231	Cu.M.	5071.01	1171.40	1.	Mason II	1.530	No.	525.00	803.25	
2.	Cement for finishing	0.022	MT	5762.73	126.78	2.	Coolie	1.530	No.	478.85	732.64	
3.	Scaffolding & Sundries	Lumpsum			150.00	3.	Bhisti	1.480	No.	478.85	708.70	
							Extra for finishing:					
						4.	Mason II	0.360	No.	525.00	189.00	
						5.	Mazdoor-Male	0.360	No.	478.85	172.39	
						6.	Bhisti	0.120	No.	478.85	57.46	
							Labour cost of CM 1:5 - 0.231 Cu.M.				99.55	
TOTAL (M) =Rs.					1448.18	TOTAL (L) =Rs.					2762.99	

Total of (M) + (L) =	(I)	= `	4211.17	Total = (I) + (II) =	(III)	= `	4760.57
Add: Allowance for Water charges @1% of (I)		= `	42.11	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	421.12
Add: Allowance for PF @13.61% of (L)		= `	376.04	Grand Total	=	(III)+(IV)= `	5181.69
Add: Allowance for Employee' insurance @4.75% of (L)		= `	131.24	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	549.40	Therefore, Unit cost	=		
				5181.69	÷	10.00	=Rs. 518.17
			Say Rs. 518.00			per Sq.M.	

Rate Analysis

for 10.0 Sq.M. of Item: **Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent**

Corresponding Item No. 2b of Section -IX of MbPT SOR 2014
 New Item No. 2b of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	1.400	pouch	42.37	59.32							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					59.32							

Total of (M) + (L) = (I) = ` 59.32

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 59.32

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 5.93

Grand Total = (III)+(IV)= ` 65.25

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
 65.25 ÷ 10.0 =Rs. 6.53

Say Rs. 7.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Plaster (1:5) 20mm thick internally in dado with Geru (Red Oxide) etc.

Corresponding Item No. 3a of Section -IX of MbPT SOR 2014
 New Item No. 3a of Section -IX
 NBO Ref. No.17.63(III) & 17.69 Page:37 & 39 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:5) (Material cost of CM 1:5)	0.231	Cu.M.	5071.01	1171.40	1.	Mason II	1.530	No.	525.00	803.25	
2.	Cement for finishing	0.012	MT	5762.73	69.15	2.	Coolie	1.530	No.	478.85	732.64	
3.	Geru (Red oxide)	0.010	MT	11864.44	118.64	3.	Bhisti	1.480	No.	478.85	708.70	
4.	Scaffolding & Sundries	Lumpsum			150.00		Extra for finishing:					
						4.	Mason II	0.360	No.	525.00	189.00	
						5.	Mazdoor-Male	0.360	No.	478.85	172.39	
						6.	Bhisti	0.120	No.	478.85	57.46	
							Labour cost of CM 1:5 - 0.231 Cu.M.				99.55	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					1509.20						2762.99	

Total of (M) + (L) = (I) = ` 4272.19

Add: Allowance for Water charges @1% of (I) = ` 42.72

Add: Allowance for PF @13.61% of (L) = ` 376.04

Add: Allowance for Employee' insurance @4.75% of (L) = ` 131.24

Total of allowances = (II) = ` 550.01

Say Rs.

Total = (I) + (II) = (III) = ` 4822.20

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 427.22

Grand Total = (III)+(IV)= ` 5249.42

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 5249.42 ÷ 10.00 =Rs. 524.94

per Sq.M.

525.00

Rate Analysis

for 10.0 Sq.M. of Item: **Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent**

Corresponding Item No. 3b of Section -IX of MbPT SOR 2014
 New Item No. 3b of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	1.400	pouch	42.37	59.32							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					59.32							

Total of (M) + (L) = (I) = ` 59.32

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 59.32

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 5.93

Grand Total = (III)+(IV)= ` 65.25

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
 65.25 ÷ 10.0 =Rs. 6.53

Say Rs. 7.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for internal plaster above floor two level for each additional one floor height

Corresponding Item No. 4 of Section -IX of MbPT SOR 2014
 New Item No. 4 of Section -IX
 NBO Ref. No.17.102 Page:52 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Scaffolding material		Lumpsum		30.00	1.	Mazdoor-Female	0.030	No.	478.85	14.37	
						2.	Bhisti	0.030	No.	478.85	14.37	
TOTAL (M) =Rs.					30.00	TOTAL (L) =Rs.					28.73	

Total of (M) + (L) = (I) = ` 58.73

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 3.91

Add: Allowance for Employee' insurance @4.75% of (L) = ` 1.36

Total of allowances = (II) = ` 5.28

Say Rs.

Total = (I) + (II) = (III) = ` 64.01

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 5.87

Grand Total = (III)+(IV)= ` 69.88

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 69.88 ÷ 10.00 =Rs. 6.99

7.00 per floor per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Sand faced cement plaster (20mm thick) in two coats in CM (1:3) upto 10m height from ground level etc.

Corresponding Item No. 5a of Section -IX of MbPT SOR 2014
 New Item No. 5a of Section -IX
 NBO Ref. No.17.95 Page:49 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.110	Cu.M.	6223.56	684.59	1.	Mason II	1.710	No.	525.00	897.75	
2.	Cement mortar (1:3) Material cost of CM 1:3 (coarse aggregate)	0.110	Cu.M.	6223.56	684.59	2.	Mazdoor-Male	1.580	No.	478.85	756.58	
3.	Scaffolding	10.000	Sq.M.	94.00	940.00	3.	Bhisti	1.690	No.	478.85	809.26	
4.	Sundries		Lumpsum		50.00	4.	Extra for scooping: Mason II	0.250	No.	525.00	131.25	
						5.	Mazdoor-Male	0.250	No.	478.85	119.71	
							Labour cost of CM 1:3 - 0.110 Cu.M.				47.41	
							Labour cost of CM 1:3 - 0.110 Cu.M.				47.41	
TOTAL (M) =Rs.					2359.18	TOTAL (L) =Rs.					2809.36	

Total of (M) + (L) =	(I)	= `	5168.55	Total = (I) + (II) =	(III)	= `	5736.03
Add: Allowance for Water charges @1% of (I)		= `	51.69	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	516.85
Add: Allowance for PF @13.61% of (L)		= `	382.35	Grand Total	=	(III)+(IV)= `	6252.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `	133.44	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	567.48	Therefore, Unit cost	=		
				6252.89	÷	10.00	=Rs. 625.29
				Say Rs. 625.00	per	Sq.M.	

Rate Analysis

for 10.0 Sq.M. of Item: **Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent**

Corresponding Item No. 5b of Section -IX of MbPT SOR 2014
 New Item No. 5b of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	2.280	pouch	42.37	96.61							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					96.61							

Total of (M) + (L) = (I) = ` 96.61

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 96.61

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 9.66

Grand Total = (III)+(IV)= ` 106.27

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
 106.27 ÷ 10.0 =Rs. 10.63

Say Rs. 11.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Sand faced cement plaster (20mm thick) in two coats in CM (1:3) upto 10m height from ground level etc.

Corresponding Item No. 6a of Section -IX of MbPT SOR 2014
 New Item No. 6a of Section -IX
 NBO Ref. No.17.95 & 17.98 Page:49 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.110	Cu.M.	6223.56	684.59	1.	Mason II	1.710	No.	525.00	897.75	
2.	Cement mortar (1:3) Material cost of CM 1:3 (coarse aggregate)	0.110	Cu.M.	6223.56	684.59	2.	Mazdoor-Male	1.580	No.	478.85	756.58	
3.	Geru (Red oxide)	0.0015	MT	11864.44	17.80	3.	Bhisti	1.690	No.	478.85	809.26	
4.	Scaffolding	10.000	Sq.M.	94.00	940.00	4.	Mason II	0.250	No.	525.00	131.25	
5.	Sundries		Lumpsum		50.00	5.	Mazdoor-Male	0.250	No.	478.85	119.71	
							Labour cost of CM 1:3 - 0.110 Cu.M.				47.41	
							Labour cost of CM 1:3 - 0.110 Cu.M.				47.41	
TOTAL (M) =Rs.					2376.98	TOTAL (L) =Rs.					2809.36	

Total of (M) + (L) = (I) = ` 5186.34

Add: Allowance for Water charges @1% of (I) = ` 51.86

Add: Allowance for PF @13.61% of (L) = ` 382.35

Add: Allowance for Employee' insurance @4.75% of (L) = ` 133.44

Total of allowances = (II) = ` 567.66

Say Rs.

Total = (I) + (II) = (III) = ` 5754.01

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 518.63

Grand Total = (III)+(IV)= ` 6272.64

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 6272.64 ÷ 10.00 =Rs. 627.26

per Sq.M.

627.00

Rate Analysis

for 10.0 Sq.M. of Item: **Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent**

Corresponding Item No. 6b of Section -IX of MbPT SOR 2014
 New Item No. 6b of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	2.280	pouch	42.37	96.61							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					96.61							

Total of (M) + (L) = (I) = ` 96.61

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 96.61

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 9.66

Grand Total = (III)+(IV)= ` 106.27

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
 106.27 ÷ 10.0 =Rs. 10.63

Say Rs. 11.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Plaster 25mm thick externally rough cast upto 10m height from GL, with 10mm thick in CM (1:3) and top layer 15mm thick with 1 cement: 1 sand: 1 grit & rough cast etc.

Corresponding Item No. 7a of Section -IX of MbPT SOR 2014
 New Item No. 7a of Section -IX
 NBO Ref. No.17.96 Page:49 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.224	Cu.M.	6223.56	1394.08	1.	Mason II	2.210	No.	525.00	1160.25	
2.	Cement mortar (1:1) (Material cost of CM 1:1) (cement:sand:grit)	0.100	Cu.M.	8091.87	809.19	2.	Mazdoor-Male	2.080	No.	478.85	996.01	
3.	Scaffolding	10.000	Sq.M.	94.00	940.00	3.	Bhisti	1.800	No.	478.85	861.93	
4.	Sundries		Lumpsum		20.00		Labour cost of CM 1:3 - 0.224 Cu.M.				96.54	
							Labour cost of CM 1:1 - 0.100 Cu.M.				43.10	
TOTAL (M) =Rs.					3163.26	TOTAL (L) =Rs.					3157.82	

Total of (M) + (L) =	(I)	= `	6321.08	Total = (I) + (II) =	(III)	= `	6964.07
Add: Allowance for Water charges @1% of (I)		= `	63.21	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	632.11
Add: Allowance for PF @13.61% of (L)		= `	429.78	Grand Total	=	(III)+(IV)= `	7596.18
Add: Allowance for Employee' insurance @4.75% of (L)		= `	150.00	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	642.99	Therefore, Unit cost	=		
				7596.18	÷	10.00	=Rs. 759.62
			Say Rs. 760.00			per Sq.M.	

Rate Analysis

for 10.0 Sq.M. of Item: **Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent**

Corresponding Item No. 7b of Section -IX of MbPT SOR 2014
 New Item No. 7b of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	2.500	pouch	42.37	105.93							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					105.93							

Total of (M) + (L) = (I) = ` 105.93

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 105.93

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 10.59

Grand Total = (III)+(IV)= ` 116.53

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
 116.53 ÷ 10.0 =Rs. 11.65

Say Rs. 12.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for Item Nos.5, 6 & 7 for every additional height of 5m & over

Corresponding Item No. 8 of Section -IX of MbPT SOR 2014
 New Item No. 8 of Section -IX
 NBO Ref. No.17.103 Page:53 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Scaffolding material		Lumpsum		5.00	1.	Mazdoor-Male	0.030	No.	478.85	14.37	
						2.	Bhisti	0.030	No.	478.85	14.37	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					28.73	

Total of (M) + (L) = (I) = ` 33.73

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 3.91

Add: Allowance for Employee' insurance @4.75% of (L) = ` 1.36

Total of allowances = (II) = ` 5.28

Say Rs.

Total = (I) + (II) = (III) = ` 39.01

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 3.37

Grand Total = (III)+(IV)= ` 42.38

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 42.38 ÷ 10.00 =Rs. 4.24

per floor per Sq.M.

4.00

Rate Analysis for 1.00 Sq.M. of Item:
Cement and sand gunting to a maximum thickness of 20 mm etc.

Corresponding Item No. 9a of Section -IX of MbPT SOR 2014
 New Item No. 9a of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				854.00							
2.	Add: 13.30% AICPI rise 13.30%				113.58							
TOTAL (M) =Rs.					967.58	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	967.58	Total = (I) + (II) =	(III)	= `	967.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	96.76
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	1064.34
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				1064.34	÷	1.00	=Rs. 1064.34
				Say Rs. 1064.00	per	Sq.M.	

Rate Analysis

for 1.0 Sq.M. of Item: **Extra over rate for adding admix Gunmixaid or equivalent @2 Kgs. per bag of cement**

Corresponding Item No. 9b of Section -IX of MbPT SOR 2014
 New Item No. 9b of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Gunmixaid	0.300	Kgs.	40.68	12.20							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					12.20							

Total of (M) + (L) = (I) = ` 12.20

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 12.20

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1.22

Grand Total = (III)+(IV)= ` 13.42

This is cost for 1.0 Sq.M.

Therefore, Unit cost =
 13.42 ÷ 1.0 =Rs. 13.42

Say Rs. 13.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and applying instant neeru/ Birla White putty to the existing plastered surface by scrapping old paint, neeru finish including application of bonding coat of cement paste as well as pre-wetting, scaffolding, curing etc.

Corresponding Item No. 10 of Section -IX of MbPT SOR 2014
 New Item No. 10 of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.003	MT	5762.73	17.29	1.	Painter I	0.500	No.	540.38	270.19	
2.	Neeru	5.000	Kgs.	6.78	33.90	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	White powder	5.000	Kgs.	10.17	50.85							
4.	Polish paper & Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					152.03	TOTAL (L) =Rs.					509.62	

Total of (M) + (L) =	(I)	= `	661.65	Total = (I) + (II) =	(III)	= `	761.83
Add: Allowance for Water charges @1% of (I)		= `	6.62	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	66.16
Add: Allowance for PF @13.61% of (L)		= `	69.36	Grand Total	=	(III)+(IV)= `	828.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	24.21	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	100.18	Therefore, Unit cost	=		
				828.00	÷	10.00	=Rs. 82.80
			Say Rs. 83.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Strike pointing in cement mortar (1:3) to brick work up to a height of 10m above GL etc.

Corresponding Item No. 11 of Section -IX of MbPT SOR 2014
 New Item No. 11 of Section -IX
 NBO Ref. No.17.134(e) Page:74 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3)	0.046	Cu.M.	6734.00	309.76	1.	Mason II	1.480	No.	525.00	777.00	
2.	Scaffolding & raking out joints		Lumpsum		150.00	2.	Mazdoor-Female	1.480	No.	478.85	708.70	
3.	Sundries		Lumpsum		30.00	3.	Bhisti	0.800	No.	478.85	383.08	
TOTAL (M) =Rs.					489.76	TOTAL (L) =Rs.					1868.78	

Total of (M) + (L) = (I) = ` 2358.54

Add: Allowance for Water charges @1% of (I) = ` 23.59

Add: Allowance for PF @13.61% of (L) = ` 254.34

Add: Allowance for Employee' insurance @4.75% of (L) = ` 88.77

Total of allowances = (II) = ` 366.69

Say Rs.

Total = (I) + (II) = (III) = ` 2725.24

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 235.85

Grand Total = (III)+(IV)= ` 2961.09

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 2961.09 ÷ 10.00 =Rs. 296.11

per Sq.M.

296.00

Rate Analysis for 10.00 Sq.M. of Item:
Tuck pointing in cement mortar (1:3) to stone masonry up to a height of 10m above GL etc.

Corresponding Item No. 12 of Section -IX of MbPT SOR 2014
 New Item No. 12 of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.038	Cu.M.	6223.56	236.50	1.	Mason II	2.000	No.	525.00	1050.00	
2.	Scaffolding & raking out joints		Lumpsum		150.00	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Sundries		Lumpsum		50.00	3.	Bhisti	0.800	No.	478.85	383.08	
							Labour cost of CM 1:3 - 0.038 Cu.M.				16.38	
TOTAL (M) =Rs.					436.50	TOTAL (L) =Rs.					2407.16	

Total of (M) + (L) = (I) = ` 2843.65

Add: Allowance for Water charges @1% of (I) = ` 28.44

Add: Allowance for PF @13.61% of (L) = ` 327.61

Add: Allowance for Employee' insurance @4.75% of (L) = ` 114.34

Total of allowances = (II) = ` 470.39

Say Rs. 360.00 per Sq.M.

Total = (I) + (II) = (III) = ` 3314.04

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 284.37

Grand Total = (III)+(IV)= ` 3598.41

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 3598.41 ÷ 10.00 =Rs. 359.84

Rate Analysis for 10.00 Sq.M. of Item:
Flush pointing in cement mortar (1:3) to stone work up to a height of 10m above GL etc.

Corresponding Item No. 13 of Section -IX of MbPT SOR 2014
 New Item No. 13 of Section -IX
 NBO Ref. No.17.144(a) Page:80 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.023	Cu.M.	6223.56	143.14	1.	Mason II	0.940	No.	525.00	493.50	
2.	Scaffolding & raking out joints		Lumpsum		150.00	2.	Mazdoor-Male	0.940	No.	478.85	450.12	
3.	Sundries		Lumpsum		30.00	3.	Bhisti	0.800	No.	478.85	383.08	
							Labour cost of CM 1:3 - 0.023 Cu.M.				9.91	
TOTAL (M) =Rs.					323.14	TOTAL (L) =Rs.					1336.61	

Total of (M) + (L) =	(I)	= `	1659.75	Total = (I) + (II) =	(III)	= `	1921.75
Add: Allowance for Water charges @1% of (I)		= `	16.60	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	165.98
Add: Allowance for PF @13.61% of (L)		= `	181.91	Grand Total	=	(III)+(IV)= `	2087.73
Add: Allowance for Employee' insurance @4.75% of (L)		= `	63.49	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	262.00	Therefore, Unit cost	=		
				2087.73	÷	10.00	=Rs. 208.77
			Say Rs. 209.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Ruled pointing in cement mortar (1:3) to stone work upto a height of 10m above GL etc.

Corresponding Item No. 14 of Section -IX of MbPT SOR 2014
 New Item No. 14 of Section -IX
 NBO Ref. No.17.144(b) Page:80 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.023	Cu.M.	6223.56	143.14	1.	Mason II	1.000	No.	525.00	525.00	
2.	Scaffolding & raking out joints		Lumpsum		150.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Sundries		Lumpsum		30.00	3.	Bhisti	0.800	No.	478.85	383.08	
							Labour cost of CM 1:3 - 0.023 Cu.M.				9.91	
TOTAL (M) =Rs.					323.14	TOTAL (L) =Rs.					1396.84	

Total of (M) + (L) = (I) = ` 1719.98

Add: Allowance for Water charges @1% of (I) = ` 17.20

Add: Allowance for PF @13.61% of (L) = ` 190.11

Add: Allowance for Employee' insurance @4.75% of (L) = ` 66.35

Total of allowances = (II) = ` 273.66

Say Rs.

Total = (I) + (II) = (III) = ` 1993.64

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 172.00

Grand Total = (III)+(IV)= ` 2165.64

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 2165.64 ÷ 10.00 =Rs. 216.56

per Sq.M.

217.00

Rate Analysis for 10.00 Sq.M. of Item:
Flush pointing in cement mortar (1:3) to brick work up to a height of 10m above GL etc.

Corresponding Item No. 15 of Section -IX of MbPT SOR 2014
 New Item No. 15 of Section -IX
 NBO Ref. No.17.116(a) Page:62 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.023	Cu.M.	6223.56	143.14	1.	Mason II	0.750	No.	525.00	393.75	
2.	Scaffolding & raking out joints		Lumpsum		150.00	2.	Mazdoor-Male	0.750	No.	478.85	359.14	
3.	Sundries		Lumpsum		30.00	3.	Bhisti	0.800	No.	478.85	383.08	
							Labour cost of CM 1:3 - 0.023 Cu.M.				9.91	
TOTAL (M) =Rs.					323.14	TOTAL (L) =Rs.					1145.88	

Total of (M) + (L) =	(I)	= `	1469.02	Total = (I) + (II) =	(III)	= `	1694.10
Add: Allowance for Water charges @1% of (I)		= `	14.69	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	146.90
Add: Allowance for PF @13.61% of (L)		= `	155.95	Grand Total	=	(III)+(IV)= `	1841.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	54.43	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	225.07	Therefore, Unit cost	=		
				1841.00	÷	10.00	=Rs. 184.10
			Say Rs. 184.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Ruled pointing in cement mortar (1:3) to brick work up to a height of 10m above GL etc.

Corresponding Item No. 16 of Section -IX of MbPT SOR 2014
 New Item No. 16 of Section -IX
 NBO Ref. No.17.116(b) Page:62 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.030	Cu.M.	6223.56	186.71	1.	Mason II	0.800	No.	525.00	420.00	
2.	Scaffolding & raking out joints		Lumpsum		150.00	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Sundries		Lumpsum		30.00	3.	Bhisti	0.800	No.	478.85	383.08	
							Labour cost of CM 1:3 - 0.030 Cu.M.				12.93	
TOTAL (M) =Rs.					366.71	TOTAL (L) =Rs.					1199.09	

Total of (M) + (L) = (I) = ` 1565.80

Add: Allowance for Water charges @1% of (I) = ` 15.66

Add: Allowance for PF @13.61% of (L) = ` 163.20

Add: Allowance for Employee' insurance @4.75% of (L) = ` 56.96

Total of allowances = (II) = ` 235.81

Say Rs.

Total = (I) + (II) = (III) = ` 1801.61

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 156.58

Grand Total = (III)+(IV)= ` 1958.19

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 1958.19 ÷ 10.00 =Rs. 195.82

per Sq.M.

196.00

Rate Analysis for 10.00 Sq.M. of Item:
Tuck pointing in cement mortar (1:3) to brick work up to a height of 10m above GL etc.

Corresponding Item No. 17 of Section -IX of MbPT SOR 2014
 New Item No. 17 of Section -IX
 NBO Ref. No.17.116(a) Page:62 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement mortar (1:3) (Material cost of CM 1:3)	0.0465	Cu.M.	6223.56	289.40	1.	Mason II	1.620	No.	525.00	850.50	
2.	Scaffolding & raking out joints		Lumpsum		150.00	2.	Mazdoor-Female	1.620	No.	478.85	775.74	
3.	Sundries		Lumpsum		30.00	3.	Bhisti	0.800	No.	478.85	383.08	
							Labour cost of CM 1:3 - 0.0465 Cu.M.				20.04	
TOTAL (M) =Rs.					469.40	TOTAL (L) =Rs.					2029.36	

Total of (M) + (L) = (I) = ` 2498.75

Add: Allowance for Water charges @1% of (I) = ` 24.99

Add: Allowance for PF @13.61% of (L) = ` 276.20

Add: Allowance for Employee' insurance @4.75% of (L) = ` 96.39

Total of allowances = (II) = ` 397.58

Say Rs.

Total = (I) + (II) = (III) = ` 2896.33

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 249.88

Grand Total = (III)+(IV)= ` 3146.21

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 3146.21 ÷ 10.00 =Rs. 314.62

per Sq.M.

315.00

Rate Analysis for 10.00 Sq.M. of Item:
Extra over rate for Item Nos.11, 12, 13, 14, 15, 16 & 17 for strike / tuck / flush / ruled pointing on wall on the outside only, on every additional ht. of 5m beyond 10m etc.

Corresponding Item No. 18 of Section -IX of MbPT SOR 2014
 New Item No. 18 of Section -IX
 NBO Ref. No.17.154 Page:87 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Scaffolding material		Lumpsum		1.00	1.	Mazdoor-Male	0.015	No.	478.85	7.18	
2.	Sundries		Lumpsum		1.00	2.	Bhisti	0.015	No.	478.85	7.18	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					2.00						14.37	

Total of (M) + (L) =	(I)	= `	16.37	Total = (I) + (II) =	(III)	= `	19.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1.64
Add: Allowance for PF @13.61% of (L)		= `	1.96	Grand Total	=	(III)+(IV)= `	20.64
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.68	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	2.64	Therefore, Unit cost	=		
				20.64 ÷ 10.00 =Rs.			2.06
			Say Rs. 2.00	per Sq.M.			

Rate Analysis for 100.00 Sq.M. of Item:
Providing & applying external plaster 20 mm thick or more in two coats externally to any height using Pre-packed ready mix plaster of silico plast etc.

Corresponding Item No. of Section -IX of MbPT SOR 2014
 New Item No. 19 of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Ready mix plaster (1 bag = 40 Kgs.; 3990 Kgs = 99.75 bags)	99.75	Bags	220.34	21978.88	1.	Mason-I	20.000	Nos.	540.38	10807.60	
2.	Transport (say 100 bags of 40 Kgs. Each)			Lumpsum	3000.00	2.	Mazdoor-Male	30.000	Nos.	478.85	14365.50	
3.	Unloading			Lumpsum	1500.00	3.	Bhisti	10.000	Nos.	478.85	4788.50	
4.	Scaffolding	100.00	Sq.M.	94.00	9400.00	4.	Extra for scaffolding: Mazdoor-Male	5.000	Nos.	478.85	2394.25	
5.	Extra cement for finishing			Lumpsum	700.00							
6.	Sundries, tools, tackles			Lumpsum	500.00							
TOTAL (M) =Rs.					37078.88	TOTAL (L) =Rs.					32355.85	

Total of (M) + (L) =	(I)	= `	69434.73	Total = (I) + (II) =	(III)	= `	76069.61
Add: Allowance for Water charges @1% of (I)		= `	694.35	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	6943.47
Add: Allowance for PF @13.61% of (L)		= `	4403.63	Grand Total	=	(III)+(IV)= `	83013.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1536.90	This is cost for	100.00	Sq.M.	
Total of allowances =	(II)	= `	6634.88	Therefore, Unit cost	=		
				83013.08	÷	100.00	=Rs. 830.13
Say Rs. 830.00 per Sq.M.							

Ready mix plaster material required for 1 Sq.M. (Avg. 1.90 Kgs. Per Sq.M. per mm thickness incl. wastage of 5%) = 39.90 Kgs.

Rate Analysis for 100.00 Sq.M. of Item:
Providing & applying internal plaster 20 mm thick or more in single coat internally to any height using Pre-packed ready mix plaster of silico plast etc.

Corresponding Item No. of Section -IX of MbPT SOR 2014
 New Item No. 20 of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Ready mix plaster (1 bag = 40 Kgs.; 3990 Kgs = 99.75 bags)	99.75	Bags	220.34	21978.88	1.	Mason-I	20.000	Nos.	540.38	10807.60	
2.	Transport (say 100 bags of 40 Kgs. Each)			Lumpsum	3000.00	2.	Mazdoor-Male	30.000	Nos.	478.85	14365.50	
3.	Unloading			Lumpsum	1500.00	3.	Bhisti	10.000	Nos.	478.85	4788.50	
4.	Scaffolding			Lumpsum	2000.00							
5.	Extra cement, neeru for finishing			Lumpsum	700.00							
6.	Sundries, tools, tackles			Lumpsum	500.00							
TOTAL (M) =Rs.					29678.88	TOTAL (L) =Rs.					29961.60	

Total of (M) + (L) =	(I)	= `	59640.48	Total = (I) + (II) =	(III)	= `	65737.83
Add: Allowance for Water charges @1% of (I)		= `	596.40	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5964.05
Add: Allowance for PF @13.61% of (L)		= `	4077.77	Grand Total	=	(III)+(IV)= `	71701.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1423.18	This is cost for	100.00	Sq.M.	
Total of allowances =	(II)	= `	6097.35	Therefore, Unit cost	=		
				71701.88	÷	100.00	=Rs. 717.02
Say Rs. 717.00 per Sq.M.							

Ready mix plaster material required for 1 Sq.M. (Avg. 1.90 Kgs. Per Sq.M. per mm thickness incl. wastage of 5%) = 39.90 Kgs.

Rate Analysis for 100.00 Sq.M. of Item:
Providing & applying plaster 10 mm thick or more in single coat internally to ceilings at any height using Pre-packed ready mix plaster of silico plast etc.

Corresponding Item No. of Section -IX of MbPT SOR 2014
 New Item No. 21 of Section -IX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Ready mix plaster (1 bag = 40 Kgs.; 1995 Kgs = 49.875 bags)	49.875	Bags	220.34	10989.44	1.	Mason-I	10.000	Nos.	540.38	5403.80	
2.	Transport (say 50 bags of 40 Kgs. Each)			Lumpsum	1500.00	2.	Mazdoor-Male	20.000	Nos.	478.85	9577.00	
3.	Unloading			Lumpsum	750.00	3.	Bhisti	2.500	Nos.	478.85	1197.13	
4.	Scaffolding			Lumpsum	1000.00							
5.	Extra cement, neeru for finishing			Lumpsum	400.00							
6.	Sundries, tools, tackles			Lumpsum	200.00							
TOTAL (M) =Rs.					14839.44	TOTAL (L) =Rs.					16177.93	

Total of (M) + (L) =	(I)	= `	31017.36	Total = (I) + (II) =	(III)	= `	34297.80
Add: Allowance for Water charges @1% of (I)		= `	310.17	Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3101.74
Add: Allowance for PF @13.61% of (L)		= `	2201.82	Grand Total	=	(III)+(IV)= `	37399.54
Add: Allowance for Employee' insurance @4.75% of (L)		= `	768.45	This is cost for	100.00	Sq.M.	
Total of allowances =	(II)	= `	3280.44	Therefore, Unit cost	=		
				37399.54	÷	100.00	=Rs. 374.00
Say Rs. 374.00				per Sq.M.			

Ready mix plaster material required for 1 Sq.M. (Avg. 1.90 Kgs. Per Sq.M. per mm thickness incl. wastage of 5%) = 19.95 Kgs.

X - White/ colour washing, Distempering, Painting & Polishing

Sr. No.	Item Description	Rate in `	Unit
1	White wash with lime on new surfaces to give an even shade including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.		
	(a) Two coats	19.00	Sq.M.
	(b) over and above two coats for each subsequent coat	9.00	Sq.M.
2	Providing and applying one coat of ready mixed primer of approved manufacturer including thoroughly scraping, cleaning, making even and preparing the surface etc. as per manufacturer's specifications complete as directed.		
	(a) Cement primer	48.00	Sq.M.
	(b) Pink wood primer	51.00	Sq.M.
	(c) Zinc chromate (yellow) primer	54.00	Sq.M.
	(d) Exterior wall primer	40.00	Sq.M.
3	Two coats of oil bound distemper of approved brand/ manufacture and shade over a primer coat of approved brand/ manufacture on new surface to give an even shade including thoroughly scraping cleaning, making even and preparing the surface complete as directed.	128.00	Sq.M.
4	Two coats of waterproof cement paint of approved brand/ manufacture and shade on new wall surface to give an even shade including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.		
	(a) Using brands like Colourcem/ Nitcocem/ Durocem or other conforming to IS:5410/1969	91.00	Sq.M.
	(b) Using Snowcem plus brand or equivalent	94.00	Sq.M.
5	Two coats of synthetic enamel paint of approved brand/ manufacture and shade over a coat of ready mixed primer of approved brand/ manufacture on new concrete/ masonry/ plastered surface to give an even shade including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	157.00	Sq.M.
6	Two coats of plastic emulsion paint of approved brand/ manufacture and shade over a coat of ready mixed primer of approved brand/	135.00	Sq.M.

X - White/ colour washing, Distempering, Painting & Polishing

Sr. No.	Item Description	Rate in `	Unit
	manufacture on new wall surface to give an even shade including scraping, cleaning, making even and preparing the surface complete as directed.		
7	Two coats of synthetic flat paint of approved brand/ manufacture and shade over a coat of ready mixed primer of approved brand/ manufacture on new wall surface to give an even shade including scraping, cleaning, making even and preparing the surface complete as directed.	149.00	Sq.M.
8	Two coats of synthetic enamel paint of approved brand/ manufacture and shade over a coat of anti-corrosive zinc chromate primer (Yellow) of approved brand/ manufacture on new steel and other metal surfaces to give an even shade including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	170.00	Sq.M.
9	Two coats of synthetic enamel paint of approved brand/ manufacture and shade over a coat of pink wood primer of approved brand/ manufacture on new wood and wood based surfaces to give an even shade including scraping, cleaning, making even and preparing the surface complete as directed.	167.00	Sq.M.
10	Two coats of Aluminium paint of approved brand/ manufacture over a coat of anti-corrosive zinc chromate primer (Yellow) of approved brand/ manufacture on new steel and other metal surface to give an even shade including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	148.00	Sq.M.
11	Polishing with French polish on new wood and wood based surfaces over a coat of wood filler to give an even shade and surface including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	269.00	Sq.M.
12	Two coats of portland cement slurry wash on new surface to give a smooth bodied opaque finish including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	28.00	Sq.M.

X - White/ colour washing, Distempering, Painting & Polishing

Sr. No.	Item Description	Rate in `	Unit
13	Two coats of portland cement slurry wash mixed with boiled linseed oil on steel work to give smooth bodied opaque finish including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	66.00	Sq.M.
14	Two coats of road marking paint of approved brand (Berger/ Shalimar or equivalent) for slot marking lines, road breakers, pedestrian crossings, dashes, arrows, etc. including thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	172.00	Sq.M.
15	<u>Previously painted surfaces</u> Remove oil paint from steel, wood and other surfaces with paint remover of approved brand and make the surface even complete as directed.	86.00	Sq.M.
16	Remove oil paint from steel and other surfaces with blow lamp and make the surface even complete as directed.	117.00	Sq.M.
17	Two coats of white wash with lime on previously white washed surface to give an even shade including removing flaky and loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	19.00	Sq.M.
18	(a) Providing and applying two coats of weatherproof exterior emulsion of brand Apex/ Excel Acrylic/ Weather Coat/ Outshine Acrylic manufactured by Asian/ Goodlass Nerolac/ Berger/ Nitco over a coat of exterior wall primer on wall surfaces to give an even shade including scrapping, cleaning, removing loose particles/ dust/ grease/ moss etc. with necessary scaffolding etc. complete as directed.	160.00	Sq.M.
	(b) Providing and applying two coats of weatherproof heat insulating, anti-corbonation acrylic emulsion paint Sunext-8 (diluted with water in the ratio 1 part Sunext-8 : 0.5 part water) or equivalent including primer made of Sunext-8 (diluted with water in the ratio 1 part Sunext-8 : 1 part water) or equivalent as per manufacturer's specifications	117.00	Sq.M.

X - White/ colour washing, Distempering, Painting & Polishing

Sr. No.	Item Description	Rate in `	Unit
	on external wall surfaces to give an even shade including scrapping, cleaning, removing loose particles/ dust/ grease/ moss etc. with necessary scaffolding etc. complete as directed.		
19	Painting internally to the water tanks so as to make it waterproof with Tuffkote ... drinklon aluminium black paint etc. complete as directed.	82.00	Sq.M.
20	One coat of oil bound distemper of approved brand/ manufacture and shade on previously distempered wall surface to give an even shade including removing flaky and loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	51.00	Sq.M.
	(a) For each subsequent coat	35.00	Sq.M.
21	Two coats of oil bound distemper of approved brand/ manufacture and shade -- do -- -- do -- as in Item No.20 above.	86.00	Sq.M.
22	Two coats of waterproof cement paint of approved brands/ manufacture and shade on previously cement painted wall surface to give an even shade including removing flaky and loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.		
	(a) Using brands like Colourcem/ Nitcocem/ Durocem or other conforming to IS:5410/1969	86.00	Sq.M.
	(b) Using Snowcem plus brand or equivalent	89.00	Sq.M.
23	One coat of synthetic enamel paint of approved brand/ manufacture and shade on previously painted concrete/ masonry surface to give an even shade including removing flaky, loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	65.00	Sq.M.
24	Two coats of synthetic enamel paint of approved brand/ manufacture and shade -- do -- -- do -- as in Item No.23 above.	103.00	Sq.M.
25	One coat of plastic emulsion paint of approved brand/ manufacture and shade on previously painted surface to give an even shade including removing flaky and loose matter, thoroughly	58.00	Sq.M.

X - White/ colour washing, Distempering, Painting & Polishing

Sr. No.	Item Description	Rate in `	Unit
	scraping, cleaning, making even and preparing the surface complete as directed.		
	(a) For each subsequent coat	39.00	Sq.M.
26	Two coats of plastic emulsion paint of approved brand/ manufacture and shade -- do -- -- do -- as in Item No.25 above.	97.00	Sq.M.
27	One coat of synthetic flat paint of approved brand/ manufacture and shade on previously painted surface to give an even shade including removing flaky and loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	63.00	Sq.M.
	(a) For each subsequent coat	51.00	Sq.M.
28	Two coats of synthetic flat paint of approved brand/ manufacture and shade -- do -- -- do -- as in Item No.27 above.	114.00	Sq.M.
29	One coat of synthetic enamel paint of approved brand/ manufacture and shade on previously painted steel and other metal surfaces to give an even shade including removing flaky and loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	66.00	Sq.M.
	(a) For each subsequent coat	54.00	Sq.M.
30	Two coats of synthetic enamel paint of approved brand/ manufacture and shade -- do -- -- do -- as in Item No.29 above.	120.00	Sq.M.
31	One coat of synthetic enamel paint of approved brand/ manufacture and shade on previously painted wood and wood based surfaces to give an even shade including removing flaky and loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	74.00	Sq.M.
	(a) For each subsequent coat	55.00	Sq.M.
32	Two coats of synthetic enamel paint of approved brand/ manufacture and shade -- do -- -- do -- as in Item No.31 above.	129.00	Sq.M.

X - White/ colour washing, Distempering, Painting & Polishing

Sr. No.	Item Description	Rate in `	Unit
33	One coat of Alumunium paint of approved brand/ manufacture and shade on previously painted steel and other metal surfaces to give an even shade including removing flaky and loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	62.00	Sq.M.
34	Two coats of Aluminium paint of approved brand/ manufacture and shade – do -- do -- as in Item No.33 above.	95.00	Sq.M.
35	Polishing with French polish on previously polished wood and wood based surface over a coat of wood filler to give an even shade and surface including removing flaky and loose matter, thoroughly scraping, cleaning, making even and preparing the surface complete as directed.	134.00	Sq.M.
36	Polishing teak wood floors, wooden items etc. with polyurethane based clear wood paint or touch wood or equivalent in two coats including filling the joints with readymade filler compound of approved make and colour to give an even finish etc. complete as directed.	541.00	Sq.M.
37	Removing moss, other dirt particles from external stone masonry wall by brush and washing down with linear alkyl benzene detergent solution as directed by Engineer-in-charge complete.	15.00	Sq.M.
38	Applying a coat of 1% solution of polymethyl metal acrylate in toluene for preservation of external stone masonry wall as directed by Engineer-in-charge complete.	39.00	Sq.M.
39	Removing distemper from stone masonry wall including application of PVC paint remover and scrapping with wire brush and cleaning by water jet under pressure etc. as directed complete.	140.00	Sq.M.
40	Providing and applying two coats of water repellent Polycoat-TST or equivalent to external walls upto required height using necessary scaffolding, Jhulla etc. complete in all respect as directed.	77.00	Sq.M.

X - White/ colour washing, Distempering, Painting & Polishing

Sr. No.	Item Description	Rate in `	Unit
41	Providing sandtex matt, Nitcotex, tex matt or equivalent surface finish as per manufacturer's specifications in approved shades, colours in two coats including preparation of surface and scaffolding etc. complete as directed.	121.00	Sq.M.
42	Providing and applying 2 coats of velvet paint/ super acrylic emulsion paint of approved brand, quality and shade including thoroughly scrapping, cleaning, applying putty and primer coat and preparing surface to receive paint etc. complete as directed.	170.00	Sq.M.
43	Providing and applying ready to use acrylic polymeric non-shrink auto-suction putty Polyfill-AR or equivalent found on plaster surface and finish at any height/ level etc. complete including cleaning the surface with water, free from dust, dirt etc. After 24 hours inspect and if required as a result of auto-suction, provide another filling or the same by using spatulla or tin plate for crack filling evenly (Do not open the cracks in V' groove and do not apply putty by brush over the cracks).	52.00	Mtr.
44	Providing and applying textured coat Polytext finish or equivalent externally using flat trowel at a thickness of 1.5 to 2 mm and repeat trowel on the spread material in one direction only till desired finish is obtained. Remove the excess Polytext finish before material has set including cleaning the existing surface by scrubbing so as to remove dust, dirt, grim, oil etc. and wash the surface with clean jet of water etc. (Cure applied material for 12 to 16 hours prior to application of exterior paint) including scaffolding etc. complete.	317.00	Sq.M.
45	Providing and applying exterior elastomeric rubberized paint in two coats ('Raincoat' from Dr.Fixit or equivalent) over a coat of exterior primer ('Primeseal' from Dr.Fixit or equivalent) as per manufacturer's specifications including preparation of surface, filling the cracks with suitable crack filling compound, scaffolding, etc. complete as directed.	243.00	Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of white wash with lime on new surfaces to give an even shade etc.

Corresponding Item No. 1a of Section -X of MbPT SOR 2014
 New Item No. 1a of Section -X
 NBO Ref. No.18.12, 18.13 & 18.14 Page:93 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Lime - 2X0.01	0.020	qntl.	1991.53	39.83	1.	White washer	0.130	No.	498.08	64.75	
2.	Indigo gum		Lumpsum		3.50	2.	Mazdoor-Male	0.070	No.	478.85	33.52	
3.	Sundries, ladders etc.		Lumpsum		8.00							
4.	Carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					56.33	TOTAL (L) =Rs.					98.27	

Total of (M) + (L) =	(I)	= `	154.60	Total = (I) + (II) =	(III)	= `	172.64
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	15.46
Add: Allowance for PF @13.61% of (L)		= `	13.37	Grand Total	=	(III)+(IV)= `	188.10
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.67	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	18.04	Therefore, Unit cost	=		
				188.10 ÷	10.00	=Rs.	18.81
			Say Rs. 19.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
White wash with lime on new surfaces over and above two coats for each subsequent coat, to give an even shade etc.

Corresponding Item No. 1b of Section -X of MbPT SOR 2014
 New Item No. 1b of Section -X
 NBO Ref. No.18.13 Page:93 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Lime	0.010	qntl.	1991.53	19.92	1.	White washer	0.060	No.	498.08	29.88	
2.	Indigo gum		Lumpsum		1.80	2.	Mazdoor-Male	0.030	No.	478.85	14.37	
3.	Sundries, ladder etc.		Lumpsum		8.00							
4.	Carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					34.72	TOTAL (L) =Rs.					44.25	

Total of (M) + (L) =	(I)	= `	78.97	Total = (I) + (II) =	(III)	= `	87.09
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7.90
Add: Allowance for PF @13.61% of (L)		= `	6.02	Grand Total	=	(III)+(IV)= `	94.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.10	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	8.12	Therefore, Unit cost	=		
				94.99 ÷	10.00	=Rs.	9.50
			Say Rs. 9.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Applying one coat of cement primer of approved manufacturer including preparation of surface etc.

Corresponding Item No. 2a of Section -X of MbPT SOR 2014
 New Item No. 2a of Section -X
 NBO Ref. No.18.44a Page:100 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement primer	0.810	Lit.	131.36	106.40	1.	Painter I	0.270	No.	540.38	145.90	
2.	Brushes, putty etc.		Lumpsum		5.00	2.	Mazdoor-Female	0.270	No.	478.85	129.29	
3.	Sundries & ladder		Lumpsum		8.00							
TOTAL (M) =Rs.					119.40	TOTAL (L) =Rs.					275.19	

Total of (M) + (L) =	(I)	= `	394.59	Total = (I) + (II) =	(III)	= `	445.12
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	39.46
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	37.45	Grand Total	=	(III)+(IV)= `	484.58
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	13.07	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	50.53	Therefore, Unit cost	=		
				484.58 ÷ 10.00	=Rs.		48.46
			Say Rs. 48.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
One coat of ready mixed pink wood primer on previously painted wood and wood based surfaces etc.

Corresponding Item No. 2b of Section -X of MbPT SOR 2014
 New Item No. 2b of Section -X
 NBO Ref. No.19.59(b) Page:153 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Wood primer	0.900	Lit.	91.53	82.37	1.	Painter I	0.300	No.	540.38	162.11	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.300	No.	478.85	143.66	
3.	Putty		Lumpsum		3.50							
4.	Brushes, sand paper		Lumpsum		10.00							
5.	Sundries & ladder		Lumpsum		5.00							
TOTAL (M) =Rs.					103.87	TOTAL (L) =Rs.					305.77	

Total of (M) + (L) =	(I)	= `	409.64	Total = (I) + (II) =	(III)	= `	465.78
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	40.96
Add: Allowance for PF @13.61% of (L)		= `	41.62	Grand Total	=	(III)+(IV)= `	506.75
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.52	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	56.14	Therefore, Unit cost	=		
				506.75 ÷	10.00	=Rs.	50.67
			Say Rs. 51.00		per Sq.M.		

Rate Analysis for 10.00 Sq.M. of Item:
One coat of Zinc chromate primer (yellow) on previously painted steel and other metal surface etc.

Corresponding Item No. 2c of Section -X of MbPT SOR 2014
 New Item No. 2c of Section -X
 NBO Ref. No.19.2b Page:110 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Ready mix Zinc Chromate primer	0.540	Lit.	148.31	80.08	1.	Painter I	0.300	No.	540.38	162.11	
2.	Carriage		Lumpsum		5.00	2.	Mazdoor-Female	0.300	No.	478.85	143.66	
3.	Scappers		Lumpsum		7.00							
4.	Brushes, sand paper		Lumpsum		20.00							
5.	Sundries & ladder etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					132.08	TOTAL (L) =Rs.					305.77	

Total of (M) + (L) =	(I)	= `	437.85	Total = (I) + (II) =	(III)	= `	493.99
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	43.79
Add: Allowance for PF @13.61% of (L)		= `	41.62	Grand Total	=	(III)+(IV)= `	537.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.52	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	56.14	Therefore, Unit cost	=		
				537.78 ÷ 10.00	=Rs.		53.78
			Say Rs. 54.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
One coat of exterior wall primer on previously painted wall surfaces etc.

Corresponding Item No. 2d of Section -X of MbPT SOR 2014
 New Item No. 2d of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Exterior wall primer	0.800	Lit.	110.17	88.14	1.	Painter I	0.200	No.	540.38	108.08	
	Chromate primer					2.	Mazdoor-Female	0.200	No.	478.85	95.77	
2.	Carriage		Lumpsum		5.00							
3.	Scappers, brushes		Lumpsum		10.00							
4.	Sundries & ladder etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					123.14	TOTAL (L) =Rs.					203.85	

Total of (M) + (L) = (I) = ` 326.98

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 37.43

Say Rs. 40.00

Total = (I) + (II) = (III) = ` 364.41

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 32.70

Grand Total = (III)+(IV)= ` 397.11

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 397.11 ÷ 10.00 =Rs. 39.71

per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of Oil Bound Distemper (OBD) of approved brand/ manufacturer over a coat of approved cement primer on new surface etc.

Corresponding Item No. 3 of Section -X of MbPT SOR 2014
 New Item No. 3 of Section -X
 NBO Ref. No.18.44b Page:101 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	OBD	1.500	Kgs.	63.56	95.34	1.	Painter I	0.670	No.	540.38	362.05	
2.	Carriage		Lumpsum		5.00	2.	Mazdoor-Female	0.340	No.	478.85	162.81	
3.	Brushes, sand paper, putty etc.		Lumpsum		10.00							
4.	Sundries & ladder		Lumpsum		5.00							
TOTAL (M) =Rs.					115.34	TOTAL (L) =Rs.					524.86	

Total of (M) + (L) = (I) = ` 640.20
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 71.43
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 24.93
 Total of allowances = (II) = ` 96.36

*Cost of primer coat: 10.000 Sq.M. 48.00 480.00 (Item No.2a above)
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Total = (I) + (II) = (III) = ` 736.57
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 64.02
 Add: Cost for primer coat*: (V)=Rs. 480.00
 Grand Total = (III)+(IV)+(V) =Rs. 1280.59

This is cost for 10.00 Sq.M.
 Therefore, Unit cost =
 1280.59 ÷ 10.00 =Rs. 128.06

Say Rs. 128.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Waterproof cement painting in two coats on new surface etc.
Using brands like 'Colourcem'/ 'Nitcocem'/ 'Durocem' etc. confirming to IS:5410/1969

Corresponding Item No. 4a of Section -X of MbPT SOR 2014
 New Item No. 4a of Section -X
 NBO Ref. No.18.51 Page:103 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Waterproof cement paint (Colourcem/ Nitcocem/ Durocem)	3.000	Kgs.	32.20	96.61	1.	Painter I	0.400	No.	540.38	216.15	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.400	No.	478.85	191.54	
3.	Brushes, sand paper etc.		Lumpsum		10.00	3.	Bhisti	0.400	No.	478.85	191.54	
4.	Sundries		Lumpsum		8.00							
5.	Scaffolding, ladder etc.		Lumpsum		8.00							
TOTAL (M) =Rs.					125.61	TOTAL (L) =Rs.					599.23	

Total of (M) + (L) = (I) = ` 724.84

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 110.02

Say Rs. 91.00

Total = (I) + (II) = (III) = ` 834.86

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 72.48

Grand Total = (III)+(IV)= ` 907.35

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 907.35 ÷ 10.00 =Rs. 90.73

per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Waterproof cement painting in two coats on new surface etc.
Using 'Snowcem Plus' brand

Corresponding Item No. 4b of Section -X of MbPT SOR 2014
 New Item No. 4b of Section -X
 NBO Ref. No.18.51 Page:103 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Waterproof cement paint (SnowcemPlus)	3.000	Kgs.	40.68	122.03	1.	Painter I	0.400	No.	540.38	216.15	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.400	No.	478.85	191.54	
3.	Brushes, etc.		Lumpsum		10.00	3.	Bhisti	0.400	No.	478.85	191.54	
4.	Sundries, scaffolding etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					155.03	TOTAL (L) =Rs.					599.23	

Total of (M) + (L) = (I) = ` 754.27

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 110.02

Say Rs. 94.00 per Sq.M.

Total = (I) + (II) = (III) = ` 864.29

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 75.43

Grand Total = (III)+(IV)= ` 939.71

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 939.71 ÷ 10.00 =Rs. 93.97

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of synthetic enamel paint over a coat of approved cement primer to concrete & plastered surface etc.

Corresponding Item No. 5 of Section -X of MbPT SOR 2014
 New Item No. 5 of Section -X
 NBO Ref. No.19.112a Page:192 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic Enamel paint	1.480	Lits.	220.34	326.10	1.	Painter I	0.540	No.	540.38	291.81	
2.	Carriage		Lumpsum		8.00	2.	Mazdoor-Female	0.540	No.	478.85	258.58	
3.	Brushes, sand paper, putty etc.		Lumpsum		10.00							
4.	Sundries & ladder etc.		Lumpsum		8.00							
TOTAL (M) =Rs.					352.10	TOTAL (L) =Rs.					550.38	

Total of (M) + (L) = (I) = ` 902.49
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 74.91
Add: Allowance for Employee' insurance @4.75% of (L) = ` 26.14
 Total of allowances = (II) = ` 101.05

*Cost of primer coat: 10.000 Sq.M. 48.00 480.00 (Item No.2a above)

Total = (I) + (II) = (III) = ` 1003.54
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 90.25
Add: Cost for primer coat*: (V)=Rs. 480.00
 Grand Total = (III)+(IV)+(V) =Rs. 1573.79

This is cost for 10.00 Sq.M.
 Therefore, Unit cost =
 1573.79 ÷ 10.00 =Rs. 157.38

Say Rs. 157.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Painting in two coats of Plastic emulsion paint over a coat of approved cement primer on new wall surface etc.

Corresponding Item No. 6 of Section -X of MbPT SOR 2014
 New Item No. 6 of Section -X
 NBO Ref. No.18.57 Page:105 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Plastic emulsion paint	1.210	Lits.	105.93	128.18	1.	Painter I	0.540	No.	540.38	291.81	
2.	Material for filling cracks, holes etc.		Lumpsum		3.50	2.	Mazdoor-Female	0.540	No.	478.85	258.58	
3.	Carriage		Lumpsum		2.00							
4.	Brushes, sand paper		Lumpsum		8.00							
5.	Sundries & ladder		Lumpsum		5.00							
TOTAL (M) =Rs.					146.68	TOTAL (L) =Rs.					550.38	

Total of (M) + (L) = (I) = ` 697.06
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 101.05

*Cost of primer coat: 10.000 Sq.M. 48.00 480.00 (Item No.2a above)
--

Total = (I) + (II) = (III) = ` 798.11
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 69.71
Add: Cost for primer coat*: (V)=Rs. 480.00
 Grand Total = (III)+(IV)+(V) =Rs. 1347.82

This is cost for 10.00 Sq.M.
 Therefore, Unit cost =
 1347.82 ÷ 10.00 =Rs. 134.78

Say Rs. 135.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Painting with synthetic flat paint in two coats over a coat of approved cement primer on new wall surface etc.

Corresponding Item No. 7 of Section -X of MbPT SOR 2014
 New Item No. 7 of Section -X
 NBO Ref. No.19.109 Page:190 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic Flat paint	1.480	Lits.	167.07	247.26	1.	Painter I	0.540	No.	540.38	291.81	
2.	Material for filling cracks, holes etc.		Lumpsum		5.00	2.	Mazdoor-Female	0.540	No.	478.85	258.58	
3.	Carriage		Lumpsum		2.00							
4.	Brushes, sand paper		Lumpsum		10.00							
5.	Sundries & ladder		Lumpsum		8.00							
TOTAL (M) =Rs.					272.26	TOTAL (L) =Rs.					550.38	

Total of (M) + (L) = (I) = ` 822.65
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 74.91
Add: Allowance for Employee' insurance @4.75% of (L) = ` 26.14
 Total of allowances = (II) = ` 101.05

*Cost of primer coat: 10.000 Sq.M. 48.00 480.00
 (Item No.2a above)

Total = (I) + (II) = (III) = ` 923.70
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 82.26
Add: Cost for primer coat*: (V)=Rs. 480.00
 Grand Total = (III)+(IV)+(V) =Rs. 1485.96

This is cost for 10.00 Sq.M.

Therefore, Unit cost =
 1485.96 ÷ 10.00 =Rs. 148.60

Say Rs. 149.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of synthetic enamel paint over a coat of zinc chromate (yellow) primer on new steel and other metal surfaces etc.

Corresponding Item No. 8 of Section -X of MbPT SOR 2014
 New Item No. 8 of Section -X
 NBO Ref. No.19.19 & 19.7a Page:125&113 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic enamel paint	1.750	Lits.	220.34	385.59	1.	Painter I	0.540	No.	540.38	291.81	
2.	Carriage		Lumpsum		5.00	2.	Mazdoor-Female	0.540	No.	478.85	258.58	
3.	Brushes, sand paper		Lumpsum		10.00							
4.	Sundries & ladder		Lumpsum		8.00							
TOTAL (M) =Rs.					408.59	TOTAL (L) =Rs.					550.38	

Total of (M) + (L) = (I) = ` 958.98
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 74.91
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 26.14
 Total of allowances = (II) = ` 101.05

*Cost of primer coat: 10.000 Sq.M. 54.00 540.00 (Item No.2c above)
--

Total = (I) + (II) = (III) = ` 1060.03
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 95.90
 Add: Cost for primer coat*: (V)=Rs. 540.00
 Grand Total = (III)+(IV)+(V) =Rs. 1695.93

This is cost for 10.00 Sq.M.
 Therefore, Unit cost =

$$\frac{1695.93}{10.00} = \text{Rs. } 169.59$$

Say Rs. 170.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of synthetic enamel paint over a coat of pink wood primer on new wood and wood based surfaces etc.

Corresponding Item No. 9 of Section -X of MbPT SOR 2014
 New Item No. 9 of Section -X
 NBO Ref. No.19.72&19.71a Page:164 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic enamel paint	1.750	Lits.	220.34	385.59	1.	Painter I	0.540	No.	540.38	291.81	
2.	Putty		Lumpsum		4.00	2.	Mazdoor-Female	0.540	No.	478.85	258.58	
3.	Carriage		Lumpsum		5.00							
4.	Brushes, sand paper		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					412.59	TOTAL (L) =Rs.					550.38	

Total of (M) + (L) = (I) = ` 962.98
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 74.91
Add: Allowance for Employee' insurance @4.75% of (L) = ` 26.14
 Total of allowances = (II) = ` 101.05

*Cost of primer coat: 10.000 Sq.M. 51.00 510.00 (Item No.2b above)

Total = (I) + (II) = (III) = ` 1064.03
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 96.30
Add: Cost for primer coat*: (V)=Rs. 510.00
 Grand Total = (III)+(IV)+(V) =Rs. 1670.33

This is cost for 10.00 Sq.M.
 Therefore, Unit cost =
 1670.33 ÷ 10.00 =Rs. 167.03

Say Rs. 167.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of aluminium paint over a coat of zinc chromate primer (yellow) on new steel and other metal surfaces etc.

Corresponding Item No. 10 of Section -X of MbPT SOR 2014
 New Item No. 10 of Section -X
 NBO Ref. No.19.35a Page:136 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Aluminium paint	0.800	Lit.	254.24	203.39	1.	Painter II	0.540	No.	525.00	283.50	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Male	0.540	No.	478.85	258.58	
3.	Brushes, sand paper		Lumpsum		8.00							
4.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					219.39	TOTAL (L) =Rs.					542.08	

Total of (M) + (L) = (I) = ` 761.47
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 73.78
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 25.75
 Total of allowances = (II) = ` 99.53

*Cost of primer coat: 10.000 Sq.M. 54.00 540.00 (Item No.2c above)
--

Total = (I) + (II) = (III) = ` 861.00
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 76.15
 Add: Cost for primer coat*: (V)=Rs. 540.00
 Grand Total = (III)+(IV)+(V) =Rs. 1477.14

This is cost for 10.00 Sq.M.
 Therefore, Unit cost =
 1477.14 ÷ 10.00 =Rs. 147.71

Say Rs. 148.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Polishing with french polish on new wood and other wood surfaces etc.

Corresponding Item No. 11 of Section -X of MbPT SOR 2014
 New Item No. 11 of Section -X
 NBO Ref. No.19.87 Page:176 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Spirit	1.600	Lits.	77.97	124.75	1.	Painter I	3.500	No.	540.38	1891.33	
2.	Shellac	0.245	Kg.	211.865	51.91		(Polisher)					
3.	Linseed oil	0.100	Lit.	135.594	13.56							
4.	Pigment (colour)		Lumpsum		8.00							
5.	Carriage		Lumpsum		10.00							
6.	White woolen cloth		Lumpsum		5.00							
7.	Sand paper		Lumpsum		8.00							
8.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					241.21	TOTAL (L) =Rs.					1891.33	

Total of (M) + (L) = (I) = ` 2132.54

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 257.41

Add: Allowance for Employee' insurance @4.75% of (L) = ` 89.84

Total of allowances = (II) = ` 347.25

Total = (I) + (II) = (III) = ` 2479.79

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 213.25

Grand Total = (III)+(IV)= ` 2693.04

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 2693.04 ÷ 10.00 =Rs. 269.30

Say Rs. 269.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of Portland cement slurry wash on new surface etc.

Corresponding Item No. 12 of Section -X of MbPT SOR 2014
 New Item No. 12 of Section -X
 NBO Ref. No.18.29 & 18.30 Page:96&97 Vol:II
 Analysis for one coat

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	1.070	Kgs.	5.76	6.17	1.	Washer	0.200	No.	498.08	99.62	
2.	Carriage		Lumpsum		1.00							
3.	Sundries, ladder etc.		Lumpsum		5.00							
TOTAL (M) =Rs.					12.17	TOTAL (L) =Rs.					99.62	

Total of (M) + (L) = (I) = ` 111.78

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 18.29

Total = (I) + (II) = (III) = ` 130.07

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 141.25

This is cost for 10.00 Sq.M.

Therefore, Unit cost =

$$\frac{141.25}{10.00} = \text{Rs. } 14.12$$

This is cost for one coat

Cost for two coats = 2 X 14.12 = 28.25

Say Rs. 28.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of Portland cement slurry wash mixed with linseed oil on steel work etc.

Corresponding Item No. 13 of Section -X of MbPT SOR 2014
 New Item No. 13 of Section -X
 NBO Ref. No.18.31 & 18.32 Page:97 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	1.070	Kgs.	5.76	6.17	1.	Painter I	0.150	No.	540.38	81.06	
2.	Linseed oil	0.890	Lit.	135.59	120.68	2.	Mazdoor-Female	0.100	No.	478.85	47.89	
3.	Carriage		Lumpsum		3.00							
4.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					149.84	TOTAL (L) =Rs.					128.94	

Total of (M) + (L) = (I) = ` 278.79

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 17.55

Add: Allowance for Employee' insurance @4.75% of (L) = ` 6.12

Total of allowances = (II) = ` 23.67

Total = (I) + (II) = (III) = ` 302.46

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 27.88

Grand Total = (III)+(IV)= ` 330.34

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 330.34 ÷ 10.00 =Rs. 33.03

This is cost for one coat

Cost for two coats = 2 X 33.03 = 66.07

Say Rs. 66.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of road marking paint for slot marking line for speed breakers, pedestrian crossings, arrows etc.

Corresponding Item No. 14 of Section -X of MbPT SOR 2014
 New Item No. 14 of Section -X
 NBO Ref. No.19.126 Page:199 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Road marking paint	1.480	Lits.	186.44	275.93	1.	Painter II	0.540	No.	525.00	283.50	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	1.680	No.	478.85	804.47	
3.	Brushes		Lumpsum		10.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					296.93	TOTAL (L) =Rs.					1087.97	

Total of (M) + (L) =	(I)	= `	1384.90	Total = (I) + (II) =	(III)	= `	1584.65
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	138.49
Add: Allowance for PF @13.61% of (L)		= `	148.07	Grand Total	=	(III)+(IV)= `	1723.14
Add: Allowance for Employee' insurance @4.75% of (L)		= `	51.68	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	199.75	Therefore, Unit cost	=		
				1723.14	÷	10.00	=Rs. 172.31
			Say Rs. 172.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Removal of paint from steel, wood and other surfaces with paint remover etc.

Corresponding Item No. 15 of Section -X of MbPT SOR 2014
 New Item No. 15 of Section -X
 NBO Ref. No.19.1(c) Page:109 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Paint remover	0.700	Lit.	139.83	97.88	1.	Painter I	0.540	No.	540.38	291.81	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.540	No.	478.85	258.58	
3.	Scraper, blow lamp, brushes, turpentine oil		Lumpsum		30.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					138.88	TOTAL (L) =Rs.					550.38	

Total of (M) + (L) =	(I)	= `	689.27	Total = (I) + (II) =	(III)	= `	790.32
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	68.93
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	74.91	Grand Total	=	(III)+(IV)= `	859.24
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	26.14	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	101.05	Therefore, Unit cost	=		
				859.24 ÷ 10.00	=Rs.		85.92
			Say Rs. 86.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Removing oil paint from steel and other surfaces with blow lamp etc.

Corresponding Item No. 16 of Section -X of MbPT SOR 2014
 New Item No. 16 of Section -X
 NBO Ref. No.19.1(b) Page:109 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Kerosene oil (fuel)	1.000	Lit.	53.28	53.28	1.	Painter I	0.810	No.	540.38	437.71	
2.	Carriage		Lumpsum		8.00	2.	Mazdoor-Female	0.810	No.	478.85	387.87	
3.	Hire charges for blow lamp		Lumpsum		30.00							
4.	Scrappers, sand papers		Lumpsum		8.00							
5.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					104.28	TOTAL (L) =Rs.					825.58	

Total of (M) + (L) =	(I)	= `	929.86	Total = (I) + (II) =	(III)	= `	1081.43
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	92.99
Add: Allowance for PF @13.61% of (L)		= `	112.36	Grand Total	=	(III)+(IV)= `	1174.42
Add: Allowance for Employee' insurance @4.75% of (L)		= `	39.21	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	151.58	Therefore, Unit cost	=		
				1174.42 ÷ 10.00	=Rs.		117.44
			Say Rs. 117.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
White washing in two coats with lime on previously white washed surface etc.

Corresponding Item No. 17 of Section -X of MbPT SOR 2014
 New Item No. 17 of Section -X
 NBO Ref. No.18.11 Page:93 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Lime	0.020	qntl.	1991.53	39.83	1.	White washer	0.130	No.	498.08	64.75	
2.	Indigo gum		Lumpsum		3.50	2.	Mazdoor-Female	0.070	No.	478.85	33.52	
3.	Sundries, ladder etc.		Lumpsum		8.00							
4.	Carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					56.33	TOTAL (L) =Rs.					98.27	

Total of (M) + (L) = (I) = ` 154.60

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 18.04

Total = (I) + (II) = (III) = ` 172.64

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 15.46

Grand Total = (III)+(IV)= ` 188.10

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 188.10 ÷ 10.00 =Rs. 18.81

Say Rs. 19.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and applying two coats of weatherproof exterior emulsion over a coat of exterior wall primer on wall surfaces etc. of brand 'Apex', 'Nerolac excel acrylic' or 'weather coat', 'Outshine acrylic' manufactured by 'Asian', 'Nerolac', 'Berger' or 'Nitco' with necessary scaffolding etc.

Corresponding Item No. 18a of Section -X of MbPT SOR 2014
 New Item No. 18a of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Apex textured exterior emulsion	2.500	Lits.	190.68	476.70	1.	Painter II	0.400	No.	525.00	210.00	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Male	0.400	No.	478.85	191.54	
3.	Brushes, sand paper		Lumpsum		10.00	3.	Bhisti	0.200	No.	478.85	95.77	
4.	Sundries & scaffolding		Lumpsum		20.00							
TOTAL (M) =Rs.					509.70	TOTAL (L) =Rs.					497.31	

Total of (M) + (L) =	(I)	= `	1007.01	Total = (I) + (II) =	(III)	= `	1098.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	100.70
Add: Allowance for PF @13.61% of (L)		= `	67.68	Grand Total	=	(III)+(IV)= `	1199.01
Add: Allowance for Employee' insurance @4.75% of (L)		= `	23.62	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	91.31	Therefore, Unit cost	=		
			Say Rs.	1199.01	÷	10.00	=Rs. 119.90
Cost for one coat of exterior wall primer = (Item No.2d above)				120.00	per	Sq.M.	
Therefore cost for two coats painting incl. primer coat =				40.00	per	Sq.M.	
				160.00	per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and applying two coats of weatherproof heat insulating, anti-carbonation acrylic emulsion paint Sunext-8 or equivalent including primer of Sunext-8 or equivalent etc.

Corresponding Item No. 18b of Section -X of MbPT SOR 2014
 New Item No. 18b of Section -X
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunext-8 incl. primer	3.000	Lits.	150.00	450.00	1.	Painter II	0.400	No.	525.00	210.00	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Male	0.400	No.	478.85	191.54	
3.	Brushes, sand paper		Lumpsum		10.00	3.	Bhisti	0.200	No.	478.85	95.77	
4.	Sundries & scaffolding		Lumpsum		20.00							
TOTAL (M) =Rs.					483.00	TOTAL (L) =Rs.					497.31	

Total of (M) + (L) =	(I)	= `	980.31	Total = (I) + (II) =	(III)	= `	1071.62
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	98.03
Add: Allowance for PF @13.61% of (L)		= `	67.68	Grand Total	=	(III)+(IV)= `	1169.65
Add: Allowance for Employee' insurance @4.75% of (L)		= `	23.62	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	91.31	Therefore, Unit cost	=		
				1169.65 ÷ 10.0	=Rs.		116.96
			Say Rs. 117.00	per Sq.M.			

Rate Analysis for 100.00 Sq.M. of Item:
Painting internally to the water tanks so as to make waterproof with Tuffkote drinklon aluminium black paint... etc.

Corresponding Item No. 19 of Section -X of MbPT SOR 2014
 New Item No. 19 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tuffkote.. drinklon aluminium black paint	20.000	Lits.	177.97	3559.33	1.	Painter I	3.000	No.	540.38	1621.14	
2.	Carriage		Lumpsum		50.00	2.	Mazdoor-Male	3.000	No.	478.85	1436.55	
3.	Brushes		Lumpsum		100.00							
4.	Scrapping tools		Lumpsum		80.00							
5.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					3869.33	TOTAL (L) =Rs.					3057.69	

Total of (M) + (L) =	(I)	= `	6927.02	Total = (I) + (II) =	(III)	= `	7488.41
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	692.70
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	416.15	Grand Total	=	(III)+(IV)= `	8181.12
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	145.24	This is cost for	100.0	Sq.M.	
Total of allowances =	(II)	= `	561.39	Therefore, Unit cost	=		
				8181.12	÷	100.0	=Rs. 81.81
			Say Rs. 82.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
One coat of Oil Bound Distemper (OBD) on previously distempered wall surface etc.

Corresponding Item No. 20 of Section -X of MbPT SOR 2014
 New Item No. 20 of Section -X
 NBO Ref. No.18.46 Page:101 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Oil Bound Distemper	1.000	Kg.	63.56	63.56	1.	Painter I	0.400	No.	540.38	216.15	
2.	Carriage		Lumpsum		5.00	2.	Mazdoor-Female	0.200	No.	478.85	95.77	
3.	Brushes, sand paper, putty etc.		Lumpsum		20.00							
4.	Sundries & ladder		Lumpsum		8.00							
TOTAL (M) =Rs.					96.56	TOTAL (L) =Rs.					311.92	

Total of (M) + (L) =	(I)	= `	408.48	Total = (I) + (II) =	(III)	= `	465.75
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	40.85
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	42.45	Grand Total	=	(III)+(IV)= `	506.60
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	14.82	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	57.27	Therefore, Unit cost	=		
				506.60 ÷ 10.0	=Rs.		50.66
			Say Rs. 51.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Every subsequent coat (one coat) of Oil Bound Distemper (OBD) on previously distempered wall surface etc.

Corresponding Item No. 20a of Section -X of MbPT SOR 2014
 New Item No. 20a of Section -X
 NBO Ref. No.18.47 Page:102 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Oil Bound Distemper	0.600	Kg.	63.56	38.14	1.	Painter I	0.270	No.	540.38	145.90	
2.	Carriage		Lumpsum		5.00	2.	Mazdoor-Female	0.140	No.	478.85	67.04	
3.	Brushes, sand paper, putty etc.		Lumpsum		20.00							
4.	Sundries & ladder		Lumpsum		8.00							
TOTAL (M) =Rs.					71.14	TOTAL (L) =Rs.					212.94	

Total of (M) + (L) =	(I)	= `	284.08	Total = (I) + (II) =	(III)	= `	323.17
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	28.41
Add: Allowance for PF @13.61% of (L)		= `	28.98	Grand Total	=	(III)+(IV)= `	351.58
Add: Allowance for Employee' insurance @4.75% of (L)		= `	10.11	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	39.10	Therefore, Unit cost	=		
				351.58	÷	10.0	=Rs. 35.16
			Say Rs.	35.00	per	Sq.M.	

Item No.21

Therefore, for two coats of Oil Bound Distemper (OBD) on previously distempered surfaces
 (`50.00 + `35.00)
 (Item Nos.20 & 20a above)

86.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
One coat of waterproof cement paint on previously cement painted wall surface etc.

Corresponding Item No. 22a(i) of Section -X of MbPT SOR 2014
 New Item No. 22a(i) of Section -X
 NBO Ref. No.18.52 Page:103 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Waterproof cement paint (Colourcem/ Nitcocem/ Durocem)	1.800	Kgs.	32.20	57.97	1.	Painter I	0.220	No.	540.38	118.88	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.220	No.	478.85	105.35	
3.	Brushes, putty etc.		Lumpsum		5.00	3.	Bhisti	0.220	No.	478.85	105.35	
4.	Sundries, scaffolding		Lumpsum		10.00							
TOTAL (M) =Rs.					75.97	TOTAL (L) =Rs.					329.58	

Total of (M) + (L) = (I) = ` 405.54

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 60.51

Total = (I) + (II) = (III) = ` 466.05

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 40.55

Grand Total = (III)+(IV)= ` 506.61

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 506.61 ÷ 10.0 =Rs. 50.66

Say Rs. 51.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Every subsequent coat (one coat) of waterproof cement paint on previously cement painted wall surface etc.

Corresponding Item No. 22a(ii) of Section -X of MbPT SOR 2014
 New Item No. 22a(ii) of Section -X
 NBO Ref. No.18.53 Page:103 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Waterproof cement paint (Colourcem/ Nitcocem/ Durocem)	1.200	Kgs.	32.20	38.64	1.	Painter II	0.150	No.	525.00	78.75	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Male	0.150	No.	478.85	71.83	
3.	Brushes, putty etc.		Lumpsum		5.00	3.	Bhisti	0.150	No.	478.85	71.83	
4.	Sundries, scaffolding		Lumpsum		10.00							
TOTAL (M) =Rs.					56.64	TOTAL (L) =Rs.					222.41	

Total of (M) + (L) =	(I)	= `	279.05	Total = (I) + (II) =	(III)	= `	319.88
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	27.90
Add: Allowance for PF @13.61% of (L)		= `	30.27	Grand Total	=	(III)+(IV)= `	347.79
Add: Allowance for Employee' insurance @4.75% of (L)		= `	10.56	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	40.83	Therefore, Unit cost	347.79	÷	10.0 =Rs. 34.78
			Say Rs. 35.00			per Sq.M.	

Item No.22a

Therefore, for two coats of waterproof cement paint on previously cement painted surfaces
 (`50.00 + `35.00)
 (Item Nos.22a(i) & 22a(ii) above)

86.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of waterproof cement paint using 'Snowcem plus' brand or equivalent on previously cement painted wall surface etc.

Corresponding Item No. 22b of Section -X of MbPT SOR 2014
 New Item No. 22b of Section -X
 NBO Ref. No.18.52&18.53 Page:103 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	For First coat: Waterproof cement paint 'Snowcem plus'	1.800	Kgs.	40.68	73.22	1.	For First coat: Painter II	0.220	No.	525.00	115.50	
2.	Carriage		Lumpsum		5.00	2.	Mazdoor-Male	0.220	No.	478.85	105.35	
3.	Brushes, putty etc.		Lumpsum		8.00	3.	Bhisti	0.220	No.	478.85	105.35	
4.	For Subsequent coat (one coat only): Waterproof cement paint 'Snowcem plus'	1.200	Kgs.	40.68	48.81	4.	For Subsequent coat (one coat only): Painter II	0.150	No.	525.00	78.75	
5.	Carriage		Lumpsum		5.00	5.	Mazdoor-Male	0.150	No.	478.85	71.83	
6.	Brushes, putty etc.		Lumpsum		5.00	6.	Bhisti	0.150	No.	478.85	71.83	
7.	Sundries, scaffolding		Lumpsum		20.00							
TOTAL (M) =Rs.					165.03	TOTAL (L) =Rs.					548.60	

Total of (M) + (L) = (I) = ` 713.63

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 74.66

Add: Allowance for Employee' insurance @4.75% of (L) = ` 26.06

Total of allowances = (II) = ` 100.72

Say Rs. 89.00 per Sq.M.

Total = (I) + (II) = (III) = ` 814.36

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 71.36

Grand Total = (III)+(IV)= ` 885.72

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 885.72 ÷ 10.0 =Rs. 88.57

Rate Analysis for 10.00 Sq.M. of Item:
One coat of Synthetic enamel paint on previously painted concrete/ masonry surface etc.

Corresponding Item No. 23 of Section -X of MbPT SOR 2014
 New Item No. 23 of Section -X
 NBO Ref. No.19.114 Page:194 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic Enamel Paint	0.900	Lit.	220.34	198.31	1.	Painter I	0.300	No.	540.38	162.11	
2.	Carriage		Lumpsum		5.00	2.	Mazdoor-Male	0.300	No.	478.85	143.66	
3.	Putty etc.		Lumpsum		8.00							
4.	Brushes, sand paper		Lumpsum		10.00							
5.	Sundries, scaffolding		Lumpsum		10.00							
TOTAL (M) =Rs.					231.31	TOTAL (L) =Rs.					305.77	

Total of (M) + (L) =	(I)	= `	537.07	Total = (I) + (II) =	(III)	= `	593.21
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	53.71
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	41.62	Grand Total	=	(III)+(IV)= `	646.92
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	14.52	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	56.14	Therefore, Unit cost	=		
				646.92 ÷ 10.0	=Rs.		64.69
			Say Rs. 65.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of Synthetic enamel paint on previously painted concrete/ masonry surface etc.

Corresponding Item No. 24 of Section -X of MbPT SOR 2014
 New Item No. 24 of Section -X
 NBO Ref. No.19.113 Page:193 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic Enamel Paint	1.400	Lit.	220.34	308.48	1.	Painter I	0.500	No.	540.38	270.19	
2.	Carriage		Lumpsum		5.00	2.	Mazdoor-Female	0.500	No.	478.85	239.43	
3.	Putty etc.		Lumpsum		8.00							
4.	Brushes, sand paper		Lumpsum		10.00							
5.	Sundries, scaffolding		Lumpsum		10.00							
TOTAL (M) =Rs.					341.48	TOTAL (L) =Rs.					509.62	

Total of (M) + (L) =	(I)	= `	851.09	Total = (I) + (II) =	(III)	= `	944.66
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	85.11
Add: Allowance for PF @13.61% of (L)		= `	69.36	Grand Total	=	(III)+(IV)= `	1029.76
Add: Allowance for Employee' insurance @4.75% of (L)		= `	24.21	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	93.57	Therefore, Unit cost	=		
				1029.76 ÷ 10.0	=Rs.		102.98
			Say Rs. 103.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
One coat of Plastic emulsion paint on previously painted surface etc.

Corresponding Item No. 25 of Section -X of MbPT SOR 2014
 New Item No. 25 of Section -X
 NBO Ref. No.18.58 Page:105 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Plastic emulsion paint	0.730	Lit.	105.93	77.33	1.	Painter I	0.360	No.	540.38	194.54	
2.	Material for filling holes, cracks etc.		Lumpsum		3.00	2.	Mazdoor-Male	0.360	No.	478.85	172.39	
3.	Carriage		Lumpsum		5.00							
4.	Brushes, Sand paper		Lumpsum		8.00							
5.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					98.33	TOTAL (L) =Rs.					366.92	

Total of (M) + (L) = (I) = ` 465.25

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 67.37

Say Rs. 58.00

Total = (I) + (II) = (III) = ` 532.62

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 46.53

Grand Total = (III)+(IV)= ` 579.15

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 579.15 ÷ 10.0 =Rs. 57.91

per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Every subsequent coat of plastic emulsion paint on previously painted surface etc.

Corresponding Item No. 25a of Section -X of MbPT SOR 2014
 New Item No. 25a of Section -X
 NBO Ref. No.18.59 Page:106 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Plastic emulsion paint	0.490	Lit.	105.93	51.91	1.	Painter I	0.240	No.	540.38	129.69	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.240	No.	478.85	114.92	
3.	Brushes, Sand paper		Lumpsum		8.00							
4.	Sundries		Lumpsum		3.00							
5.	Putty		Lumpsum		3.00							
TOTAL (M) =Rs.					68.91	TOTAL (L) =Rs.					244.62	

Total of (M) + (L) = (I) = ` 313.52

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 44.91

Say Rs. 39.00 per Sq.M.

Item No.26

Therefore, for two coats of plastic emulsion paint on previously painted surface
 (`58.00 + `39.00)
 (Item Nos.25 & 25a above)

Total = (I) + (II) = (III) = ` 358.43

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 389.79

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 389.79 ÷ 10.0 =Rs. 38.98

97.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
One coat of Synthetic enamel flat paint on previously painted surface etc.

Corresponding Item No. 27 of Section -X of MbPT SOR 2014
 New Item No. 27 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic flat oil paint	0.700	Lit.	167.07	116.95	1.	Painter I	0.360	No.	540.38	194.54	
2.	Material for filling holes, cracks etc.		Lumpsum		10.00	2.	Mazdoor-Female	0.360	No.	478.85	172.39	
3.	Carriage		Lumpsum		8.00							
4.	Brushes, Sand paper		Lumpsum		8.00							
5.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					147.95	TOTAL (L) =Rs.					366.92	

Total of (M) + (L) = (I) = ` 514.87

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 67.37

Say Rs. 63.00 per Sq.M.

Total = (I) + (II) = (III) = ` 582.24

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 51.49

Grand Total = (III)+(IV)= ` 633.73

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 633.73 ÷ 10.0 =Rs. 63.37

Rate Analysis for 10.00 Sq.M. of Item:
Every subsequent coat of Synthetic enamel flat paint on previously painted surface etc.

Corresponding Item No. 27a of Section -X of MbPT SOR 2014
 New Item No. 27a of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic flat oil paint	0.490	Lit.	167.07	81.86	1.	Painter I	0.300	No.	540.38	162.11	
2.	Material for filling holes, cracks etc.		Lumpsum		8.00	2.	Mazdoor-Female	0.300	No.	478.85	143.66	
3.	Carriage		Lumpsum		5.00							
4.	Brushes, Sand paper		Lumpsum		8.00							
5.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					107.86	TOTAL (L) =Rs.					305.77	

Total of (M) + (L) = (I) = ` 413.63

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 56.14

Say Rs. 51.00 per Sq.M.

Item No.28

Therefore, for two coats of Synthetic enamel flat paint on previously painted surface
 (`63.00 + `51.00)
 (Item Nos.27 & 27a above)

Total = (I) + (II) = (III) = ` 469.77

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 511.14

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
 511.14 ÷ 10.0 =Rs. 51.11

114.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
One coat of Synthetic enamel paint on previously painted steel and other metal surfaces etc.

Corresponding Item No. 29 of Section -X of MbPT SOR 2014
 New Item No. 29 of Section -X
 NBO Ref. No.19.21a Page:125 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic enamel paint	0.700	Lit.	220.34	154.24	1.	Painter I	0.360	No.	540.38	194.54	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.360	No.	478.85	172.39	
3.	Brushes, Sand paper		Lumpsum		10.00							
4.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					172.24	TOTAL (L) =Rs.					366.92	

Total of (M) + (L) =	(I)	= `	539.16	Total = (I) + (II) =	(III)	= `	606.53
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	53.92
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	49.94	Grand Total	=	(III)+(IV)= `	660.44
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	17.43	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	67.37	Therefore, Unit cost	=		
				660.44	÷	10.0	=Rs. 66.04
			Say Rs. 66.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Every subsequent coat of Synthetic enamel paint on previously painted steel work ... etc.

Corresponding Item No. 29a of Section -X of MbPT SOR 2014
 New Item No. 29a of Section -X
 NBO Ref. No.19.23a Page:127 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic enamel paint	0.570	Lit.	220.34	125.59	1.	Painter I	0.300	No.	540.38	162.11	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.300	No.	478.85	143.66	
3.	Brushes, Sand paper		Lumpsum		5.00							
4.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					138.59	TOTAL (L) =Rs.					305.77	

Total of (M) + (L) =	(I)	= `	444.36	Total = (I) + (II) =	(III)	= `	500.50
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	44.44
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	41.62	Grand Total	=	(III)+(IV)= `	544.94
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	14.52	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	56.14	Therefore, Unit cost	=		
				544.94 ÷ 10.0	=Rs.		54.49
			Say Rs.	54.00	per	Sq.M.	

Item No.30

Therefore, for two coats of Synthetic enamel paint on previously painted steel work
 (`65.00 + `54.00)
 (Item Nos.29 & 29a above)

120.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
One coat of Synthetic enamel paint on previously painted wood and wood based surface etc.

Corresponding Item No. 31 of Section -X of MbPT SOR 2014
 New Item No. 31 of Section -X
 NBO Ref. No.19.74a Page:169 Vol:II
 6.00

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic enamel paint	1.000	Lit.	220.34	220.34	1.	Painter I	0.360	No.	540.38	194.54	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.360	No.	478.85	172.39	
3.	Putty		Lumpsum		5.00							
4.	Brushes, Sand paper		Lumpsum		10.00							
5.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					243.34	TOTAL (L) =Rs.					366.92	

Total of (M) + (L) =	(I)	= `	610.26	Total = (I) + (II) =	(III)	= `	677.63
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	61.03
Add: Allowance for PF @13.61% of (L)		= `	49.94	Grand Total	=	(III)+(IV)= `	738.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	17.43	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	67.37	Therefore, Unit cost	=		
				738.66 ÷ 10.0	=Rs.		73.87
			Say Rs. 74.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Every subsequent coat of Synthetic enamel paint on previously painted wood and wood based surface etc.

Corresponding Item No. 31a of Section -X of MbPT SOR 2014
 New Item No. 31a of Section -X
 NBO Ref. No.19.76 Page:167 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Synthetic enamel paint	0.600	Lit.	220.34	132.20	1.	Painter I	0.300	No.	540.38	162.11	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.300	No.	478.85	143.66	
3.	Brushes, Sand paper		Lumpsum		5.00							
4.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					145.20	TOTAL (L) =Rs.					305.77	

Total of (M) + (L) =	(I)	= `	450.97	Total = (I) + (II) =	(III)	= `	507.11
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	45.10
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	41.62	Grand Total	=	(III)+(IV)= `	552.21
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	14.52	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	56.14	Therefore, Unit cost	552.21	÷	10.0 =Rs. 55.22
			Say Rs. 55.00		per Sq.M.		

Item No.32

Therefore, for two coats of Synthetic enamel paint on previously painted wood and wood based surface
 (`73.00 + `55.00)
 (Item Nos.31 & 31a above)

129.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
One coat of aluminium paint on previously painted steel and other metal surfaces etc.

Corresponding Item No. 33 of Section -X of MbPT SOR 2014
 New Item No. 33 of Section -X
 NBO Ref. No.19.36 Page:137 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Aluminium paint	0.460	Lit.	254.24	116.95	1.	Painter I	0.360	No.	540.38	194.54	
2.	Carriage		Lumpsum		1.00	2.	Mazdoor-Female	0.360	No.	478.85	172.39	
3.	Brushes, sand paper		Lumpsum		8.00							
4.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					130.95	TOTAL (L) =Rs.					366.92	

Total of (M) + (L) =	(I)	= `	497.87	Total = (I) + (II) =	(III)	= `	565.24
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	49.79
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	49.94	Grand Total	=	(III)+(IV)= `	615.03
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	17.43	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	67.37	Therefore, Unit cost	=		
				615.03 ÷ 10.00	=Rs.		61.50
			Say Rs. 62.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Two coats of aluminium paint on previously painted steel and other metal surfaces etc.

Corresponding Item No. 34 of Section -X of MbPT SOR 2014
 New Item No. 34 of Section -X
 NBO Ref. No.19.35a Page:136 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Aluminium paint	0.800	Lit.	254.24	203.39	1.	Painter I	0.540	No.	540.38	291.81	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.540	No.	478.85	258.58	
3.	Brushes, sand paper		Lumpsum		8.00							
4.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					219.39	TOTAL (L) =Rs.					550.38	

Total of (M) + (L) =	(I)	= `	769.77	Total = (I) + (II) =	(III)	= `	870.83
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	76.98
Add: Allowance for PF @13.61% of (L)		= `	74.91	Grand Total	=	(III)+(IV)= `	947.80
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.14	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	101.05	Therefore, Unit cost	=		
				947.80	÷	10.00	=Rs. 94.78
			Say Rs. 95.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Polishing with French polish on previously polished wood and wood based surfaces over a coat of wood filler etc.

Corresponding Item No. 35 of Section -X of MbPT SOR 2014
 New Item No. 35 of Section -X
 NBO Ref. No.19.88 Page:177 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Spirit	0.950	Lits.	77.97	74.07	1.	Painter I	1.750	No.	540.38	945.67	
2.	Shellac	0.130	Kg.	211.865	27.54		(Polisher)					
3.	Putty, Sand paper		Lumpsum		3.50							
4.	Turpentine, Cotton		Lumpsum		3.50							
5.	Carriage		Lumpsum		3.00							
6.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					116.61	TOTAL (L) =Rs.					945.67	

Total of (M) + (L) =	(I)	= `	1062.28	Total = (I) + (II) =	(III)	= `	1235.90
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	106.23
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	128.71	Grand Total	=	(III)+(IV)= `	1342.13
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	44.92	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	173.62	Therefore, Unit cost	=		
				1342.13 ÷ 10.00	=Rs.		134.21
			Say Rs. 134.00	per Sq.M.			

Rate Analysis for 5.00 Sq.M. of Item:
Polishing teak wood floors, wooden items etc. with polyurethane based clear wood paint etc.

Corresponding Item No. 36 of Section -X of MbPT SOR 2014
 New Item No. 36 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Touch wood polyurethane	0.500	Lit.	230.51	115.25	1.	Painter I	1.000	No.	540.38	540.38	
2.	Powder for filling		Lumpsum		24.00	2.	Mazdoor-Male	2.500	No.	478.85	1197.13	
3.	Polish paper		Lumpsum		18.00							
4.	Hire charges for polishing machine	1.000	Day	262.71	262.71							
5.	Sundries		Lumpsum		10.00							
TOTAL (M) =Rs.					429.97	TOTAL (L) =Rs.					1737.51	

Total of (M) + (L) =	(I)	= `	2167.47	Total = (I) + (II) =	(III)	= `	2486.48
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	216.75
Add: Allowance for PF @13.61% of (L)		= `	236.47	Grand Total	=	(III)+(IV)= `	2703.23
Add: Allowance for Employee' insurance @4.75% of (L)		= `	82.53	This is cost for	5.0	Sq.M.	
Total of allowances =	(II)	= `	319.01	Therefore, Unit cost	2703.23	÷	5.0
			Say Rs. 541.00			=Rs.	540.65
						per Sq.M.	

Rate Analysis for 5.00 Sq.M. of Item:
Removing moss, other dirt particles from external stone masonry wall by washing ...etc.

Corresponding Item No. 37 of Section -X of MbPT SOR 2014
 New Item No. 37 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Removing moss, other dirt particles from external stone masonry wall (Market Enquiry)	5.000	Sq.M.	10.00	70.00							
TOTAL (M) =Rs.					70.00	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	70.00	Total = (I) + (II) =	(III)	= `	70.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7.00
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	77.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	5.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	77.00	÷	5.0 =Rs. 15.40
				Say Rs. 15.00	per	Sq.M.	

Rate Analysis for 5.00 Sq.M. of Item:
Applying a coat of 1% solution of polymethyle acrylateetc.

Corresponding Item No. 38 of Section -X of MbPT SOR 2014
 New Item No. 38 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Applying a coat of 1% solution of polymethyle acrylate (Market Enquiry)	5.000	Sq.M.	25.00	175.00							
TOTAL (M) =Rs.					175.00	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	175.00	Total = (I) + (II) =	(III)	= `	175.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	17.50
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	192.50
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	5.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				192.50	÷	5.0	=Rs. 38.50
				Say Rs. 39.00	per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Removing distemper from stone masonry wall etc.

Corresponding Item No. 39 of Section -X of MbPT SOR 2014
 New Item No. 39 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Paint remover	2.000	Lit.	139.83	279.66	1.	Mazdoor-Male	1.000	No.	478.85	478.85	
2.	Scaffolding for 50% area (Sheet 1 of Section-VI)	5.000	Sq.M.	80.00	400.00							
3.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					709.66	TOTAL (L) =Rs.					478.85	

Total of (M) + (L) =	(I)	= `	1188.51	Total = (I) + (II) =	(III)	= `	1276.43
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	118.85
Add: Allowance for PF @13.61% of (L)		= `	65.17	Grand Total	=	(III)+(IV)= `	1395.28
Add: Allowance for Employee' insurance @4.75% of (L)		= `	22.75	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	87.92	Therefore, Unit cost	=		
				1395.28	÷	10.0	=Rs. 139.53
			Say Rs. 140.00	per Sq.M.			

Rate Analysis for 100.00 Sq.M. of Item:
Providing and applying two coats of water repellant Polycoat-TST or equivalent to external walls upto required height using necessary scaffolding/ jhulla etc.

Corresponding Item No. 40 of Section -X of MbPT SOR 2014
 New Item No. 40 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Polycoat-TST	27.000	Lit.	233.05	6292.39	1.	Painter I - 1/2 day	0.500	No.	540.38	270.19	
2.	Scaffolding/ Jhulla		Lumpsum		80.00	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Sundries		Lumpsum		20.00		(1/2 day)					
TOTAL (M) =Rs.					6392.39	TOTAL (L) =Rs.					509.62	

Total of (M) + (L) =	(I)	= `	6902.01	Total = (I) + (II) =	(III)	= `	6995.57
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	690.20
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	69.36	Grand Total		(III)+(IV)= `	7685.77
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	24.21	This is cost for	100.0	Sq.M.	
Total of allowances =	(II)	= `	93.57	Therefore, Unit cost		=	
				7685.77	÷	100.0	=Rs. 76.86
			Say Rs. 77.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Applying two coats of 'Sandtex' / 'Nitcotex' / 'Texmatt' matt surface finish over the old surface etc.

Corresponding Item No. 41 of Section -X of MbPT SOR 2014
 New Item No. 41 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Texmatt (Nitcotex)	2.500	Lit.	194.92	487.29	1.	Painter I	0.400	No.	540.38	216.15	
2.	Carriage		Lumpsum		3.00	2.	Mazdoor-Female	0.400	No.	478.85	191.54	
3.	Brushes, sand paper etc.		Lumpsum		10.00	3.	Bhisti	0.200	No.	478.85	95.77	
4.	Sundries		Lumpsum		8.00							
5.	Scaffolding, ladder etc.		Lumpsum		8.00							
TOTAL (M) =Rs.					516.29	TOTAL (L) =Rs.					503.46	

Total of (M) + (L) =	(I)	= `	1019.75	Total = (I) + (II) =	(III)	= `	1112.19
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	101.98
Add: Allowance for PF @13.61% of (L)		= `	68.52	Grand Total	=	(III)+(IV)= `	1214.16
Add: Allowance for Employee' insurance @4.75% of (L)		= `	23.91	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	92.44	Therefore, Unit cost	=		
				1214.16 ÷	10.0	=Rs.	121.42
			Say Rs. 121.00		per Sq.M.		

Rate Analysis for 10.00 Sq.M. of Item:
Providing and applying two coats of velvet paint/ super acrylic emulsion paintetc.

Corresponding Item No. 42 of Section -X of MbPT SOR 2014
 New Item No. 42 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Velvet paint	1.500	Lits.	364.41	546.61	1.	Painter I	0.630	No.	540.38	340.44	
2.	Primer	1.620	Lits.	131.356	212.80	2.	Mazdoor-Female	0.630	No.	478.85	301.68	
3.	Putty		Lumpsum		24.00							
4.	Polish paper		Lumpsum		7.00							
5.	Sundries		Lumpsum		5.00							
6.	Carriage		Lumpsum		3.00							
TOTAL (M) =Rs.					798.41	TOTAL (L) =Rs.					642.11	

Total of (M) + (L) =	(I)	= `	1440.52	Total = (I) + (II) =	(III)	= `	1558.42
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	144.05
Add: Allowance for PF @13.61% of (L)		= `	87.39	Grand Total	=	(III)+(IV)= `	1702.47
Add: Allowance for Employee' insurance @4.75% of (L)		= `	30.50	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	117.89	Therefore, Unit cost	=		
				1702.47	÷	10.0	=Rs. 170.25
			Say Rs. 170.00			per Sq.M.	

Rate Analysis for 100.00 Mtrs. of Item:
Providing and applying ready to use acrylic polymeric non-shrink auto-suction putty Polyfill-AR or equivalent ... etc.

Corresponding Item No. 43 of Section -X of MbPT SOR 2014
 New Item No. 43 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Polyfill-AR	10.000	Kgs.	190.68	1906.79	1.	Painter I	2.000	No.	540.38	1080.76	
2.	Scaffolding/ Jhulla		Lumpsum		240.00	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Sundries		Lumpsum		80.00	3.	Bhisti	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					2226.79	TOTAL (L) =Rs.					2517.31	

Total of (M) + (L) = (I) = ` 4744.10
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 342.61
Add: Allowance for Employee' insurance @4.75% of (L) = ` 119.57
 Total of allowances = (II) = ` 462.18

1 Kg. Polyfill-AR covers 10 Mtrs. of crack (avg. 50mm wide)

Total = (I) + (II) = (III) = ` 4744.10
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 474.41
 Grand Total = (III)+(IV)= ` 5218.50

This is cost for 100.0 Mtrs.

Therefore, Unit cost =
 5218.50 ÷ 100.0 =Rs. 52.19

Say Rs. 52.00 per Mtr.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and applying textured coat Polytext finish or equivalent externally etc.

Corresponding Item No. 44 of Section -X of MbPT SOR 2014
 New Item No. 44 of Section -X
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Polytext finish	41.670	Kgs.	42.37	1765.68	1.	Painter I	1.000	No.	540.38	540.38	
2.	Scaffolding/ Jhulla		Lumpsum		80.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1865.68	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) = (I) = ` 2884.91
Add: Allowance for Water charges @1% of (I)
 = ` 138.72
Add: Allowance for PF @13.61% of (L)
 = ` 48.41
Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 187.13

25 Kgs. Bag of Polytext covers 6 Sq.Mtrs.

Total = (I) + (II) = (III) = ` 2884.91
Add: Contractor's over-heads & profit @10% of (I)
 = ` 288.49
 Grand Total = (III)+(IV) = ` 3173.40

This is cost for 10.0 Sq.M.

Therefore, Unit cost =
 3173.40 ÷ 10.0 =Rs. 317.34

Say Rs. 317.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and applying two coats of weatherproof exterior elastomeric rubberized paint (Raincoat or equivalent) over a coat of exterior primer (Primeseal or equivalent) etc.

Corresponding Item No. --- of Section -X of MbPT SOR 2014
 New Item No. 45 of Section -X
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Elastomeric rubberized paint (Raincoat or eq.) (3.33 Lits + wastage)	3.500	Lits.	330.51	1156.78	1.	Painter II	0.400	No.	525.00	210.00	
2.	Primer (Primeseal or eq.)	1.250	Lits.	237.29	296.61	2.	Mazdoor-Male	0.400	No.	478.85	191.54	
3.	Crack filling compound		Lumpsum		15.00	3.	Bhisti	0.200	No.	478.85	95.77	
4.	Carriage		Lumpsum		10.00							
5.	Brushes, sand paper		Lumpsum		50.00							
6.	Sundries & scaffolding		Lumpsum		100.00							
TOTAL (M) =Rs.					1628.39	TOTAL (L) =Rs.					497.31	

Total of (M) + (L) = (I) = ` 2125.70
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 67.68
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 23.62
 Total of allowances = (II) = ` 91.31

1 Lit. Raincoat covers 3 Sq.M. in 2 coats
 1 Lit. Primeseal covers 8 Sq.M. for 1 coat

Total = (I) + (II) = (III) = ` 2217.01
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 212.57
 Grand Total = (III)+(IV)= ` 2429.58

This is cost for

Therefore, Unit cost =
 2429.58 ÷ 10.0 =Rs. 242.96

Say Rs. 243.00 per Sq.M.

XI - Steel Work

Sr. No.	Item Description	Rate in `	Unit
1	Steel work in single sections including cutting, hoisting, fixing in position by welds or bolts & applying two coats of approved synthetic enamel paint over a coat of anti-corrosive zinc chromate primer (yellow) to the entire steel work complete as directed.		
	(a) R.S.joists, flats, 'T's, angles, plates & channels etc.	7,089.00	qntl.
	(b) Unserviceable rail weighing 75 lbs/yard	726.00	Mtr.
2	Steel work rivetted in built-up sections, trusses & frame work including cutting, hoisting, fixing in position by welds or bolts & applying two coats of approved synthetic enamel paint over a coat of anti-corrosive zinc chromate primer (yellow) to the entire steel work complete as directed.	8,205.00	qntl.
3	Steel work bolted in built-up sections -- do -- -- do -- as in Item No.2 above.	7,593.00	qntl.
4	Steel work welded in built-up sections, trusses & frame work including cutting, hoisting, fixing in position & applying two coats of approved synthetic enamel paint over a coat of anti-corrosive zinc chromate primer (yellow) to the entire steel work etc. complete as directed.	7,826.00	qntl.
5	Providing and fixing m.s. ornamental grill of approved design, weighing from 15 to 20 Kgs. per Sq.M. with necessary hold-fasts complete with 2 coats of approved synthetic enamel paint over a coat of anti-corrosive zinc chromate (yellow) metal primer complete as directed.	1,768.00	Sq.M.
6	-- do -- -- do -- weighing from 20 to 25 Kgs. per Sq.M. -- do -- -- do -- as in Item No.5 above.	2,220.00	Sq.M.
7	-- do -- -- do -- weighing from 25 to 30 Kgs. per Sq.M. -- do -- -- do -- as in Item No.5 above.	2,572.00	Sq.M.
8	Providing & fixing in position collapsible steel gates consisting of vertical channels 'C' type of size 18X9X3 mm thick, cross m.s. flats of size 18X5 mm, bottom runner 'E' type having web of 40X12 mm, and flange of 40X6 mm and the top runner of size 40X12 mm including bolts, nuts, rivets locking	6,764.00	Sq.M.

XI - Steel Work

Sr. No.	Item Description	Rate in `	Unit
	arrangements, rollers, channels, stoppers, handles, fixing in position the bottom guide channel in the flooring in cement and top as per the existing pattern etc., the distance between two vertical channels when the door is closed not to be more than 100 mm including applying two coats of synthetic enamel paint over a coat of anti-corrosive zinc chromate (yellow) primer of approved quality and make etc. complete as directed (work to be carried out as per IS:10521 of 1983 unless otherwise specified).		
9	Providing & fixing steel rolling shutters of 20 guage thickness & of approved make complete with side channels, locking arrangements etc. including two coats of approved synthetic enamel paint over a coat of anti-corrosive zinc chromate (yellow) primer complete as directed.	2,341.00	Sq.M.
10	Supplying, fabricating, hoisting & fixing in position double leaf sliding doors comprising of steel angles, plates, door guides, handles, locking arrangements, peep hole etc. including two coats of approved synthetic enamel paint over a coat of anti-corrosive zinc chromate (yellow) primer to the steel work complete as directed (mechanical gear will be paid separately).	6,835.00	qntl.
11	Providing and fixing steel glazed doors/ windows/ ventilators of standard rolled section including providing and fixing glass panels with special window putty and oxidised brass fixtures and fastenings including applying two coats of approved synthetic enamel paint over a coat of anti-corrosive zinc chromate (yellow) primer complete as directed.	2,992.00	Sq.M.
12	Providing and fixing in position m.s. galvanised split bolts with two nuts and washers for fixing structural steel members with RCC members complete as directed.		
	(a) 20 mm dia. & 150 mm long	94.00	Each
	(b) 16 mm dia. & 125 mm long	62.00	Each
	(c) 12 mm dia. & 100 mm long	39.00	Each

XI - Steel Work

Sr. No.	Item Description	Rate in `	Unit
13	Collecting 75 lbs/yard rails from various yards, cutting the same as per requirement and welding if any for making grating, rail guard etc. with one coat of anti-corrosive zinc chromate (yellow) primer and two coats of approved synthetic enamel paint etc. complete as directed (Payment shall be made for actual length of newly fixed rail brought from MbPT yard).	859.00	Mtr.
14	Collecting 90 lbs/yard rails from various yards, cutting the same as per requirement and welding if any for making grating, rail guard etc. with one coat of anti-corrosive zinc chromate (yellow) primer and two coats of approved synthetic enamel paint etc. complete as directed (Payment shall be made for actual length of newly fixed rail brought from MbPT yard).	1,029.00	Mtr.
15	Removing existing m.s. grill carefully and lowering the same upto ground and re-fixing the same after completing repairs to structure if any, etc. complete as directed.	342.00	Sq.M.
16	Repairing and re-fixing the existing steel work of any section including welding, cutting fixing in position by welds and applying one coat of anti-corrosive zinc chromate (yellow) primer and two coats of synthetic enamel paint to entire steel work etc. complete as directed.	2,726.00	qntl.
17	Providing, fabricating and fixing in position by weld or bolts, hollow steel sections manufactured by TATA or equivalent condirming to relevant IS specifications with yield strength of 310 Kg/Sq.cm in portal frame for roofing including painting with two coats of synthetic enamel paint to entire steel surface over a coat of anti-corrosive zinc chromate primer (yellow) etc. complete as directed.	7,713.00	qntl.
18	Providing hot dipped galvanizing of minimum 100 micron coating to steel members from approved agency including transporting the material to and fro, loading, unloading etc. complete as directed.	2,973.00	qntl.

Rate Analysis for 2.65 qntl. of Item:
Providing and fixing in position Galvanised m. s.
approved synthetic enamel paint, etc.
(a) R.S.Joists, flats, 'T's, angles, channels, etc.

Corresponding Item No. 1a of Section -XI of MbPT SOR 2014
 New Item No. 1a of Section -XI
 NBO Ref. No.11.1a Page:459 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	R.S.Joists incl.5% wastage	2.78	qntl.	4264.42	11855.08	1.	Blacksmith II	0.50	No.	525.00	262.50	
2.	Carriage	2.78	qntl.	211.87	588.98	2.	Bandhani	1.00	No.	498.08	498.08	
3.	Sundries for hire of cain, p		Lumpsum		200.00	3.	Mazdoor-Male	2.75	No.	478.85	1316.84	
						4.	Fitter I	0.50	No.	540.38	270.19	
						5.	Welder	1.00	No.	525.00	525.00	
TOTAL (M) =Rs.					12644.07	TOTAL (L) =Rs.					2872.61	

Total of (M) + (L) = (I) = ` 15516.68
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 390.96
Add: Allowance for Employee' insurance @4.75% of (L) = ` 136.45
 Total of allowances = (II) = ` 527.41

*Cost of painting: 7.000 Sq.M. 170.00 1190.00 (Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 16044.09
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1551.67
 Add: Cost for painting*: (V)=Rs. 1190.00
 Grand Total = (III)+(IV)+(V) =Rs. 18785.75

This is cost for 2.65 qntl.
 Therefore, Unit cost =
 18785.75 ÷ 2.65 =Rs. 7088.96

Say Rs. 7089.00 per qntl.

Rate Analysis for 1.00 Mtr. of Item:
Steel work in single sections etc.
(b) Un-serviceable rails weighing 75 lbs/ yard

Corresponding Item No. 1b of Section -XI of MbPT SOR 2014
 New Item No. 1b of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rails	1.00	Mtr.	222.03	222.03	1.	Labour*	per Mtr. As shown below			336.29	
3.	Sundries incl. carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					227.03	TOTAL (L) =Rs.					336.29	

Total of (M) + (L) = (I) = ` 563.32
Add: Allowance for Water charges @1% of (I) = ` 5.63
Add: Allowance for PF @13.61% of (L) = ` 45.77
Add: Allowance for Employee' insurance @4.75% of (L) = ` 15.97
 Total of allowances = (II) = ` 61.74

*Labour rate (as per Item 1a above):
 75 lbs/ yard rails = (75/2.2)X0.91 = 31.023 Kgs./Mtr.
 i.e. 0.31023 qntl./Mtr.
 Labour rate = Rs. $\frac{2872.61}{2.650}$ X 0.31023
 = ` 336.29 per Mtr.

Approx.
 *Cost of painting: 0.260 Sq.M. 170.00 44.20
 (Item No.8, Section-X)

Say Rs. 726.00 per Mtr.

Total = (I) + (II) = (III) = ` 625.07
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 56.33
 Add: Cost for painting*: (V)=Rs. 44.20
 Grand Total = (III)+(IV)+(V) =Rs. 725.60
 This is cost for 1.00 Mtr.
 Therefore, Unit cost =
 $\frac{725.60}{1.00}$ =Rs. 725.60

Rate Analysis for 3.95 qntl. of Item:
Steel work rivetted in built up sections, trusses & frame works including hoisting, fixing in position & applying two coats of paint and one coat of primer, etc.

Corresponding Item No. 2 of Section -XI of MbPT SOR 2014
New Item No. 2 of Section -XI
NBO Ref. No.11.2(d) Page:463 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Principal rafter	1.60	qntl.	4264.42	6823.07	1.	Blacksmith II	3.60	No.	525.00	1890.00	
2.	m.s. flats	0.53	qntl.	4022.05	2131.68	2.	Bandhani	0.44	No.	498.08	219.16	
3.	Gusset plates (10mm thick	1.90	qntl.	4583.06	8707.82	3.	Mazdoor-Male	9.00	No.	478.85	4309.65	
4.	Rivett 16mm dia. & 50mm	0.0684	qntl.	7545.78	516.13	4.	Fitter I	2.70	No.	540.38	1459.03	
5.	Holding down bolts 20mm dia.	0.053	qntl.	6198.32	328.51							
6.	Carriage	4.15	qntl.	211.87	879.24							
7.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					19391.46	TOTAL (L) =Rs.					7877.83	

Total of (M) + (L) = (I) = ` 27269.29
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 1072.17
Add: Allowance for Employee' insurance @4.75% of (L) = ` 374.20
Total of allowances = (II) = ` 1446.37

*Cost of painting: 5.680 Sq.M. 170.00 965.60 (Item No.8, Section-X)
--

Total = (I) + (II) = (III) = ` 28715.66
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2726.93
Add: Cost for painting*: (V)=Rs. 965.60
Grand Total = (III)+(IV)+(V) =Rs. 32408.19

This is cost for 3.95 qntl.
Therefore, Unit cost =
32408.19 ÷ 3.95 =Rs. 8204.60

Say Rs. 8205.00 per qntl.

Rate Analysis for 4.02 qntl. of Item:
Steel work bolted in built up sections, trusses & frame works including hoisting, fixing in position & applying two coats of paint and one coat of primer, etc.

Corresponding Item No. 3 of Section -XI of MbPT SOR 2014
 New Item No. 3 of Section -XI
 NBO Ref. No.11.3(d) Page:469 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Principal rafter	1.60	qntl.	4264.42	6823.07	1.	Blacksmith II	2.50	No.	525.00	1312.50	
2.	m.s. flats	0.53	qntl.	4022.05	2131.68	2.	Bandhani	0.60	No.	498.08	298.85	
3.	Gusset plates (10mm thick	1.90	qntl.	4583.06	8707.82	3.	Mazdoor-Male	7.50	No.	478.85	3591.38	
4.	Bolts 16mm dia. & 100mm	0.137	qntl.	7545.78	1033.77	4.	Fitter I	1.35	No.	540.38	729.51	
5.	Holding down bolts 20mm dia.	0.053	qntl.	6198.32	328.51							
6.	Carriage	4.22	qntl.	211.87	894.07							
7.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					19948.93	TOTAL (L) =Rs.					5932.24	

Total of (M) + (L) = (I) = ` 25881.16
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 807.38
Add: Allowance for Employee' insurance @4.75% of (L) = ` 281.78
 Total of allowances = (II) = ` 1089.16

*Cost of painting: 5.680 Sq.M. 170.00 965.60 (Item No.8, Section-X)
--

Total = (I) + (II) = (III) = ` 26970.32
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2588.12
 Add: Cost for painting*: (V)=Rs. 965.60
 Grand Total = (III)+(IV)+(V) =Rs. 30524.04

This is cost for 4.02 qntl.
 Therefore, Unit cost =
 30524.04 ÷ 4.02 =Rs. 7593.04

Say Rs. 7593.00 per qntl.

Rate Analysis for 3.89 qntl. of Item:
Steel work welded in built up sections, trusses & frame works including hoisting, fixing in position & applying two coats of paint and one coat of anti corrosive primer, etc.

Corresponding Item No. 4 of Section -XI of MbPT SOR 2014
 New Item No. 4 of Section -XI
 NBO Ref. No.11.4(d) Page:474 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Principal rafter	1.60	qntl.	4264.42	6823.07	1.	Blacksmith II	1.50	No.	525.00	787.50	
2.	m.s. flats	0.53	qntl.	4022.05	2131.68	2.	Bandhani	5.00	No.	498.08	2490.40	
3.	Gusset plates (10mm thick	1.90	qntl.	4583.06	8707.82	3.	Beldar	5.50	No.	478.85	2633.68	
4.	Welding charges	11.000	Mtrs.	93.22	1025.43							
5.	Holding down bolts 20mm dia.	0.053	qntl.	6198.32	328.51							
6.	Carriage	4.08	qntl.	211.87	864.41							
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					19900.92	TOTAL (L) =Rs.					5911.58	

Total of (M) + (L) = (I) = ` 25812.50
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 804.57
Add: Allowance for Employee' insurance @4.75% of (L) = ` 280.80
 Total of allowances = (II) = ` 1085.37

*Cost of painting: 5.680 Sq.M. 170.00 965.60 (Item No.8, Section-X)
--

Total = (I) + (II) = (III) = ` 26897.86
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2581.25
 Add: Cost for painting*: (V)=Rs. 965.60
 Grand Total = (III)+(IV)+(V) =Rs. 30444.71

This is cost for 3.89 qntl.
 Therefore, Unit cost =
 30444.71 ÷ 3.89 =Rs. 7826.40

Say Rs. 7826.00 per qntl.

Rate Analysis for 1.00 Sq.M. of Item:
Providing & fixing m.s. fabricated grills weighing 15 to 20 kgs. per Sq.M.

Corresponding Item No. 5 of Section -XI of MbPT SOR 2014
 New Item No. 5 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. grill weighing 15-20 Kgs./ Sq.M.	1.00	Sq.M.	1190.68	1190.68	1.	Fixing charges		Lumpsum		100.00	
2.	Carriage		Lumpsum		200.00							
3.	Sundries incl. painting		Lumpsum		100.00							
TOTAL (M) =Rs.					1490.68	TOTAL (L) =Rs.					100.00	

Total of (M) + (L) =	(I)	= `	1590.68	Total = (I) + (II) =	(III)	= `	1609.04
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	159.07
Add: Allowance for PF @13.61% of (L)		= `	13.61	Grand Total	=	(III)+(IV)= `	1768.11
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.75	This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `	18.36	Therefore, Unit cost	=		
				1768.11 ÷	1.00	=Rs.	1768.11
			Say Rs. 1768.00	per Sq.M.			

Rate Analysis for 1.00 Sq.M. of Item:
Providing & fixing m.s. fabricated grills weighing 20 to 25 kgs. per Sq.M.

Corresponding Item No. 6 of Section -XI of MbPT SOR 2014
 New Item No. 6 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. grill weighing 20-25 Kgs./ Sq.M.	1.00	Sq.M.	1601.70	1601.70	1.	Fixing charges		Lumpsum		100.00	
2.	Carriage		Lumpsum		200.00							
3.	Sundries incl. painting		Lumpsum		100.00							
TOTAL (M) =Rs.					1901.70	TOTAL (L) =Rs.					100.00	

Total of (M) + (L) =	(I)	= `	2001.70	Total = (I) + (II) =	(III)	= `	2020.06
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	200.17
Add: Allowance for PF @13.61% of (L)		= `	13.61	Grand Total	=	(III)+(IV)= `	2220.23
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.75	This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `	18.36	Therefore, Unit cost	=		
				2220.23 ÷	1.00	=Rs.	2220.23
			Say Rs. 2220.00	per Sq.M.			

Rate Analysis for 1.00 Sq.M. of Item:
Providing & fixing m.s. fabricated grills weighing 25 to 30 kgs. per Sq.M.

Corresponding Item No. 7 of Section -XI of MbPT SOR 2014
 New Item No. 7 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. grill weighing 25-30 Kgs./ Sq.M.	1.00	Sq.M.	1813.56	1813.56	1.	Fixing charges		Lumpsum		150.00	
2.	Carriage		Lumpsum		250.00							
3.	Sundries incl. painting		Lumpsum		100.00							
TOTAL (M) =Rs.					2163.56	TOTAL (L) =Rs.					150.00	

Total of (M) + (L) =	(I)	= `	2313.56	Total = (I) + (II) =	(III)	= `	2341.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	231.36
Add: Allowance for PF @13.61% of (L)		= `	20.42	Grand Total	=	(III)+(IV)= `	2572.46
Add: Allowance for Employee' insurance @4.75% of (L)		= `	7.13	This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `	27.54	Therefore, Unit cost	=		
				2572.46 ÷ 1.00	=Rs.	2572.46	
			Say Rs. 2572.00	per Sq.M.			

Rate Analysis for 3.60 Sq.M. of Item:
Providing & fixing in position collapsible steel gate consisting of vertical channels 'C' type, etc.

Corresponding Item No. 8 of Section -XI of MbPT SOR 2014
 New Item No. 8 of Section -XI
 NBO Ref. No.11.6 Page:477 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	18 Nos. m.s. channels - 18X9X3mm	0.81	qntl.	4022.05	3257.86	1.	Fitter II	3.00	No.	525.00	1575.00	
2.	4 Nos. flats - 18X5mm	0.53	qntl.	4022.05	2131.68	2.	Blacksmith I	6.00	No.	540.38	3242.28	
3.	2 Nos.'T' section-40X12mm	0.110	qntl.	4022.05	442.42	3.	Blacksmith II	6.00	No.	525.00	3150.00	
4.	Rivets, hooks, washers, locking arrangement (5% of Sr.Nos.1,2,3 above)		Lumpsum		291.60	4.	Mason I	0.50	No.	540.38	270.19	
5.	Sundries		Lumpsum		3.00	5.	Mason II	0.50	No.	525.00	262.50	
						6.	Mazdoor-Male	8.00	No.	478.85	3830.80	
TOTAL (M) =Rs.					6126.56	TOTAL (L) =Rs.					12330.77	

Total of (M) + (L) = (I) = ` 18457.33
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 1678.22
Add: Allowance for Employee' insurance @4.75% of (L) = ` 585.71
 Total of allowances = (II) = ` 2263.93

*Cost of painting: 10.500 Sq.M. 170.00 1785.00 (Item No.8, Section-X)
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Total = (I) + (II) = (III) = ` 20721.26
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1845.73
 Add: Cost for painting*: (V)=Rs. 1785.00
 Grand Total = (III)+(IV)+(V) =Rs. 24352.00

This is cost for 3.60 Sq.M.
 Therefore, Unit cost =
 24352.00 ÷ 3.60 =Rs. 6764.44

Say Rs. 6764.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing & fixing in position rolling shutter of 20 guage thickness of approved make including both side rails, cover, spring/ ball bearings, shaft etc.

Corresponding Item No. 9 of Section -XI of MbPT SOR 2014
 New Item No. 9 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rolling shutter (rolling shutter, ball bearings, side rails, cover, etc.)	10.00	Sq.M.	2118.65	21186.50	1.	Fixing charges		Lumpsum		70.00	
2.	Carriage		Lumpsum		8.00							
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					21202.50	TOTAL (L) =Rs.					70.00	

Total of (M) + (L) = (I) = ` 21272.50

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 9.53

Add: Allowance for Employee' insurance @4.75% of (L) = ` 3.33

Total of allowances = (II) = ` 12.85

Similar NBO Items 11.9, 11.10, 11.11 & 11.12; Page Nos.481 to 483

Total = (I) + (II) = (III) = ` 21285.35

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2127.25

Grand Total = (III)+(IV)= ` 23412.60

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 23412.60 ÷ 10.00 =Rs. 2341.26

Say Rs. 2341.00 per Sq.M.

Rate Analysis for 1.00 qntl. of Item:
Providing & fixing in position m.s. double leaf sliding door etc.

Corresponding Item No. 10 of Section -XI of MbPT SOR 2014
 New Item No. 10 of Section -XI
 NBO Ref. No.11.15(a)&(c) Page:484&485 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. double leaf sliding door with hinges with nuts and springs to hold glass panes etc.	1.00	qntl.	4830.52	4830.52	1.	Blacksmith I	0.37	No.	540.38	199.94	
2.	Concrete (1:2:4) (6X0.15X0.10X0.10 = 0.009) (Item 1b, Section-IV)(rate inclusive of labour & 1% water charges)	0.009	Cu.M.	133.68	1.20	2.	Mason I	0.18	No.	540.38	97.27	
3.	Carriage		Lumpsum		20.00	3.	Mason II	0.18	No.	525.00	94.50	
4.	Sundries, putty etc.		Lumpsum		20.00	4.	Mazdoor-Male	0.72	No.	478.85	344.77	
TOTAL (M) =Rs.					4871.73	TOTAL (L) =Rs.					736.48	

Total of (M) + (L) = (I) = ` 5608.21
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 100.24
Add: Allowance for Employee' insurance @4.75% of (L) = ` 34.98
 Total of allowances = (II) = ` 135.22

*Cost of painting:	3.125	Sq.M.	170.00	531.25
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 5743.42
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 560.82
 Add: Cost for painting*: (V)=Rs. 531.25
 Grand Total = (III)+(IV)+(V) =Rs. 6835.49

This is cost for 1.00 qntl.
 Therefore, Unit cost =
 6835.49 ÷ 1.00 =Rs. 6835.49

Say Rs. 6835.00 per qntl.

Rate Analysis for 1.067 Sq.M. of Item:
Providing & fixing in position m.s. glazed door, window and ventilators etc.

Corresponding Item No. 11 of Section -XI of MbPT SOR 2014
 New Item No. 11 of Section -XI
 NBO Ref. No.11.15(B)k Page:485 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Ready made steel door with hinges with nuts and springs to hold glass panes etc. - 1.194X0.894 Mtrs.	1.067	Sq.M.	1687.29	1800.34	1.	Blacksmith I	0.17	No.	540.38	91.86	
2.	Concrete (1:2:4) (6X0.15X0.15X0.10 = 0.0135) (Item 1b, Section-IV)(rate inclusive of labour & 1% water charges)	0.0135	Cu.M.	133.68	1.80	2.	Mason I	0.08	No.	540.38	43.23	
3.	Glass panels - 4 mm thick	1.067	Sq.M.	433.90	462.97	3.	Mason II	0.08	No.	525.00	42.00	
4.	Carriage for door		Lumpsum		20.00	4.	Mazdoor-Male	0.33	No.	478.85	158.02	
5.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2305.12	TOTAL (L) =Rs.					335.12	

Total of (M) + (L) = (I) = ` 2640.23
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 45.61
Add: Allowance for Employee' insurance @4.75% of (L) = ` 15.92
 Total of allowances = (II) = ` 61.53

*Cost of painting: 1.333 Sq.M. 170.00 226.61
 (Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 2701.76
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 264.02
 Add: Cost for painting*: (V)=Rs. 226.61
 Grand Total = (III)+(IV)+(V) =Rs. 3192.39

This is cost for 1.067 Sq.M.
 Therefore, Unit cost =
 3192.39 ÷ 1.067 =Rs. 2991.93

Say Rs. 2992.00 per Sq.M.

Rate Analysis for 1.00 No. of Item:
Providing & fixing in position m.s. galvanised split bolt 20mm dia. with two nuts etc.

Corresponding Item No. 12a of Section -XI of MbPT SOR 2014
 New Item No. 12a of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cost of one bolt 20 mm dia.	1.00	No.	66.10	66.10	1.	Fixing charges		Lumpsum		15.00	
2.	Carriage		Lumpsum		1.00							
3.	Sundries		Lumpsum		0.50							
TOTAL (M) =Rs.					67.60	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	82.60	Total = (I) + (II) =	(III)	= `	85.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	8.26
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total	=	(III)+(IV)= `	93.62
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost	=		
				93.62 ÷ 1.00	=Rs.		93.62
			Say Rs. 94.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing in position m.s. galvanised split bolt 16mm dia. with two nuts etc.

Corresponding Item No. 12b of Section -XI of MbPT SOR 2014
 New Item No. 12b of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cost of one bolt 16 mm dia.	1.00	No.	38.14	38.14	1.	Fixing charges		Lumpsum		15.00	
2.	Carriage		Lumpsum		0.50							
3.	Sundries		Lumpsum		0.50							
TOTAL (M) =Rs.					39.14	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	54.14	Total = (I) + (II) =	(III)	= `	56.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.41
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total	=	(III)+(IV)= `	62.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost	=		
				62.30 ÷ 1.00	=Rs.		62.30
			Say Rs. 62.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing in position m.s. galvanised split bolt 12mm dia. with two nuts etc.

Corresponding Item No. 12c of Section -XI of MbPT SOR 2014
 New Item No. 12c of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cost of one bolt 12 mm dia.	1.00	No.	16.95	16.95	1.	Fixing charges		Lumpsum		15.00	
2.	Carriage		Lumpsum		0.50							
3.	Sundries		Lumpsum		0.50							
TOTAL (M) =Rs.					17.95	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	32.95	Total = (I) + (II) =	(III)	= `	35.70
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3.29
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total	=	(III)+(IV)= `	39.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost	=		
				39.00 ÷ 1.00	=Rs.		39.00
			Say Rs. 39.00	per Each			

Rate Analysis for 1.00 Mtr. of Item:
Steel work in single sections with old MbPT rails weighing 75 lbs/ yard for making gratings, guards etc. including painting etc.

Corresponding Item No. 13 of Section -XI of MbPT SOR 2014
 New Item No. 13 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Loading&unloading (Item 3a&3b, Section-XXIII)	1.00	Mtr.	158.46	158.46	1.	Labour charges (Labour component of Item 1a above)	0.375	qntl.	1084.00	406.50	
2.	Transport-Rs.1000 per 250	1.00	Mtr.	4.00	4.00							
3.	Cost of welding (Sr.No.114; Annexure-I; Material Rates)	0.25	Mtr.	93.22	23.31							
4.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					205.76	TOTAL (L) =Rs.					406.50	

Total of (M) + (L) = (I) = ` 612.26
Add: Allowance for Water charges @1% of (I) = ` 55.32
Add: Allowance for PF @13.61% of (L) = ` 19.31
Add: Allowance for Employee' insurance @4.75% of (L) = ` 74.63
 Total of allowances = (II) = ` 74.63
 1 yard = 0.91 Mtr. & 2.2 lbs = 1Kg.
 Wt. Of m.s. rail of 75lbs/yard = 1 X $\frac{75}{2.2}$ X $\frac{1}{0.91}$ = 37.46 Kgs.=0.375 qntl.

*Cost of painting:	0.650	Sq.M.	170.00	110.50
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 686.90
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 61.23
 Add: Cost for painting*: (V)=Rs. 110.50
 Grand Total = (III)+(IV)+(V) =Rs. 858.62
 This is cost for 1.000 Mtr.
 Therefore, Unit cost = 858.62 ÷ 1.000 =Rs. 858.62

Say Rs. 859.00 per Mtr.

Rate Analysis for 1.00 Mtr. of Item:
Steel work in single sections with old MbPT rails weighing 90 lbs/ yard or 52R for making gratings, guards etc. including painting etc.

Corresponding Item No. 14 of Section -XI of MbPT SOR 2014
 New Item No. 14 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Loading&unloading (Item 3a&3b, Section-XXIII)	1.00	Mtr.	158.46	158.46	1.	Labour charges (Labour component of Item 1a above)	0.485	qntl.	1084.00	525.74	
2.	Transport-Rs.1000 per 190	1.00	Mtr.	5.26	5.26							
3.	Cost of welding (Sr.No.114; Annexure-I; Material Rates)	0.30	Mtr.	93.22	27.97							
4.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					221.69	TOTAL (L) =Rs.					525.74	

Total of (M) + (L) = (I) = ` 747.43
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 96.53
 1 yard = 0.91 Mtr. & 2.2 lbs = 1Kg.; Wt. of m.s. rail 52R per Mtr. =
 Wt. Of m.s. rail of 90lbs/yard = 1 X 90 X 1 = 44.96 Kgs.; Avg.wt. = 48.48 Kgs.=0.485 qntl.
 2.2 0.91

Total = (I) + (II) = (III) = ` 843.95
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 74.74
Add: Cost for painting*: (V)=Rs. 110.50
 Grand Total = (III)+(IV)+(V) =Rs. 1029.20
 This is cost for 1.000 Mtr.

*Cost of painting:	0.650	Sq.M.	170.00	110.50
(Item No.8, Section-X)				

Therefore, Unit cost =
 1029.20 ÷ 1.000 =Rs. 1029.20

Say Rs. 1029.00 per Mtr.

Rate Analysis for 8.00 Sq.M. of Item:
Removing and re-fixing existing m.s. grills with nails etc.

Corresponding Item No. 15 of Section -XI of MbPT SOR 2014
 New Item No. 15 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Materials, nails etc.		Lumpsum		78.00	1.	Fitter I	1.00	No.	540.38	540.38	
2.	Drill machine, scaffolding etc.		Lumpsum		96.00	2.	Mazdoor-Male	3.00	No.	478.85	1436.55	
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					182.00	TOTAL (L) =Rs.					1976.93	

Total of (M) + (L) =	(I)	= `	2158.93	Total = (I) + (II) =	(III)	= `	2521.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	215.89
Add: Allowance for PF @13.61% of (L)		= `	269.06	Grand Total	=	(III)+(IV)= `	2737.79
Add: Allowance for Employee' insurance @4.75% of (L)		= `	93.90	This is cost for 8.00 Sq.M.			
Total of allowances =	(II)	= `	362.96	Therefore, Unit cost	=		
				2737.79 ÷ 8.00	=Rs.		342.22
			Say Rs. 342.00	per Sq.M.			

Rate Analysis for 1.00 qntl. of Item:
Repairing and re-fixing the existing steel work in any section including welding, cutting, fixing in position by welds & applying one coat of anti-corrosive primer & two coats of synthetic enamel paint etc.

Corresponding Item No. 16 of Section -XI of MbPT SOR 2014
 New Item No. 16 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hore charges for gas cutter, welding machine etc.		Lumpsum		12.00	1.	Blacksmith II	0.40	No.	525.00	210.00	
2.	Sundries		Lumpsum		5.00	2.	Bandhani	0.90	No.	498.08	448.27	
						3.	Mazdoor-Male	2.00	No.	478.85	957.70	
						4.	Fitter I	0.30	No.	540.38	162.11	
TOTAL (M) =Rs.					17.00	TOTAL (L) =Rs.					1778.09	

Total of (M) + (L) = (I) = ` 1795.09
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 242.00
Add: Allowance for Employee' insurance @4.75% of (L) = ` 84.46
 Total of allowances = (II) = ` 326.46

*Cost of painting: 2.500 Sq.M. 170.00 425.00 (Item No.8, Section-X)
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Total = (I) + (II) = (III) = ` 2121.54
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 179.51
 Add: Cost for painting*: (V)=Rs. 425.00
 Grand Total = (III)+(IV)+(V) =Rs. 2726.05

This is cost for 1.00 qntl.
 Therefore, Unit cost =
 2726.05 ÷ 1.00 =Rs. 2726.05

Say Rs. 2726.00 per qntl.

Rate Analysis for 2.65 qntl. of Item:
Structural steel work in hollow sections of any size and shape including cutting, hoisting, fixing in position by welds or bolts & applying two coats of approved synthetic enamel paint, etc.

Corresponding Item No. --- of Section -XI of MbPT SOR 2014
 New Item No. 17 of Section -XI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hollow steel sections	2.78	qntl.	4800.86	13358.40	1.	Blacksmith II	0.50	No.	525.00	262.50	
	Wastage 5%					2.	Bandhani	1.00	No.	498.08	498.08	
2.	Carriage	2.78	qntl.	211.87	589.51	3.	Mazdoor-Male	2.75	No.	478.85	1316.84	
3.	Sundries for hire of cain, pully etc.		Lumpsum		200.00	4.	Fitter I	0.50	No.	540.38	270.19	
						5.	Welder	1.00	No.	525.00	525.00	
TOTAL (M) =Rs.					14147.91	TOTAL (L) =Rs.					2872.61	

Total of (M) + (L) = (I) = ` 17020.52
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 390.96
Add: Allowance for Employee' insurance @4.75% of (L) = ` 136.45
 Total of allowances = (II) = ` 527.41

*Cost of painting: 7.000 Sq.M. 170.00 1190.00 (Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 17547.93
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1702.05
 Add: Cost for painting*: (V)=Rs. 1190.00
 Grand Total = (III)+(IV)+(V) =Rs. 20439.98

This is cost for 2.65 qntl.
 Therefore, Unit cost =
 20439.98 ÷ 2.65 =Rs. 7713.20

Say Rs. 7713.00 per qntl.

Rate Analysis for 2.65 qntl. of Item:

Structural steel work in hollow sections of any size and shape including cutting, hoisting, fixing in position by welds or bolts & applying two coats of approved synthetic enamel paint, etc.

Corresponding Item No. --- of Section -XI of MbPT SOR 2014

New Item No. 18 of Section -XI

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Costy of galvanizing	2.65	qntl.	2203.40	5839.00							
	Wastage 5%											
2.	Carriage for 2 times (to and fro)	5.30	qntl.	211.87	1122.88							
3.	Sundries for hire of cain, pully etc.		Lumpsum		200.00							
TOTAL (M) =Rs.					7161.88	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 7161.88
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 7161.88
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 716.19
Grand Total = (III)+(IV) =Rs. 7878.07

This is cost for 2.65 qntl.
Therefore, Unit cost =
7878.07 ÷ 2.65 =Rs. 2972.86

Say Rs. 2973.00 per qntl.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
1	Providing 2nd class teak wood work in trusses, purlins, rafters, posts and the like, wrought, framed, hoisted and fixed in position including necessary m.s. clamps, bolts & nuts, etc. complete as directed.	150,456.00	Cu.M.
2	Extra over rate for Item No.1 above for painting with two coats of approved synthetic enamel paint over a coat of wood primer complete as directed.	11,459.00	Cu.M.
3	Providing 2nd class teak wood in frames of doors, windows etc. wrought, framed and fixed in position including m.s. hold-fasts, coal tarring the surfaces coming in contact with masonry and concrete etc. complete as directed.	77,216.00	Cu.M.
4	Extra over rate for Item No.3 above for polishing with French polish to the exposed surfaces to give an even surface and shade complete as directed.	16,016.00	Cu.M.
5	Extra over rate for Item No.3 above for painting with two coats of approved synthetic enamel paint over a coat of wood primer complete as directed.	10,001.00	Cu.M.
6	Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and fully wooden panelled with 2nd class teak wood panels 20 mm thick in single pieces with bevelled borders fixed in grooves in the styles and rails, including oxidised iron hinges and galvanised screws etc. complete as directed.	3,321.00	Sq.M.
7	Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and partly wooden panelled with 2nd class teak wood panels 20 mm thick in single pieces with bevelled borders fixed in grooves in the styles and rails and partly glazed with 4 mm thick glass panels, panels in single pieces fixed with 2nd class teak wood beading including oxidised iron hinges and galvanised screws etc. complete as directed.	3,257.00	Sq.M.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
8	Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and fully panelled with 2 panels of particle board 12 mm thick in single pieces fixed in grooves in the styles and rails and with 2nd class teak wood decorative beading including oxidised iron hinges and galvanised screws etc. complete as directed.	2,790.00	Sq.M.
9	Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and partly wooden panelled with 2nd class teak wood panels 20 mm thick in single pieces with bevelled borders fixed in grooves in the styles and rails and partly panelled with asbestos cement sheets 6 mm thick in single pieces fixed with 2nd class teak wood beading, including oxidised iron hinges and galvanised screws etc. complete as directed.	3,041.00	Sq.M.
10	Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and partly wooden panelled with 2nd class teak wood panels 20 mm thick in single pieces with bevelled borders fixed in grooves in the styles and rails and louvered with 2nd class teak wood louvers 12 mm thick in single pieces fixed with 2nd class teak wood beading in inclined grooves including oxidised iron hinges and galvanised screws etc. complete as directed.	3,117.00	Sq.M.
11	Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and partly panelled with 2 panels of particle board 12 mm thick in single pieces fixed in grooves in the styles and rails and with 2nd class teak wood decorative beading and partly glazed with 4 mm thick glass panels in single pieces fixed with 2nd class teak wood beading including oxidised iron hinges and galvanised screws etc. complete as directed.	2,970.00	Sq.M.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
12	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and fully wooden panelled with 2nd class teak wood panels 20 mm thick in single pieces with bevelled borders fixed in grooves in the styles and rails including oxidised iron hinges and galvanised screws etc. complete as directed.	3,596.00	Sq.M.
13	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and partly wooden panelled with 2nd class teak wood panels 20 mm thick in single pieces with bevelled borders fixed in grooves in the styles and rails and partly glazed with 4 mm thick glass panels in single pieces fixed with 2nd class teak wood beading including oxidised iron hinges and galvanised screws etc. complete as directed.	3,320.00	Sq.M.
14	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and fully panelled with two panels of particle board 12 mm thick in single pieces fixed in grooves in the styles and rails and with 2nd class teak wood decorative beading including oxidised iron hinges and galvanised screws etc. complete as directed.	2,929.00	Sq.M.
15	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and partly panelled with two panels of particle board 12 mm thick in single pieces fixed in grooves in the styles and rails and with 2nd class teak wood decorative beading and partly glazed with 4 mm thick glass panels in single pieces fixed with 2nd class teak wood beading including oxidised iron hinges and galvanised screws etc. complete as directed.	2,987.00	Sq.M.
16	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and fully glazed with 4 mm thick glass panels in single pieces fixed with 2nd	3,045.00	Sq.M.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
	class teak wood beading including oxidised iron hinges and galvanised screws etc. complete as directed.		
17	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and fully louvered with 2nd class teak wood louveres 12 mm thick in single pieces fixed with 2nd class teak wood beading in inclined grooves including oxidised iron hinges and galvanised screws etc. complete as directed.	3,331.00	Sq.M.
18	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and partly wooden panelled with 2nd class teak wood panels 20 mm thick in single pieces with bevelled borders fixed in grooves in the styles and rails and partly louvered with 2nd class teak wood louveres 12 mm thick in single pieces fixed with 2nd class teak wood beading in inclined grooves including oxidised iron hinges and galvanised screws etc. complete as directed.	3,065.00	Sq.M.
19	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and partly wooden panelled with 2nd class teak wood panels 20 mm thick in single pieces with bevelled borders fixed in grooves in the styles and rails and partly panelled with asbestos cement sheets 6 mm thick in single pieces fixed with 2nd class teak wood beading including oxidised iron hinges and galvanised screws etc. complete as directed.	3,240.00	Sq.M.
20	Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles 30 mm thick in single pieces and fully panelled with 6 mm thick asbestos cement sheets in single pieces fixed with 2nd class teak wood beading including oxidised iron hinges and galvanised screws etc. complete as directed.	2,884.00	Sq.M.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
21	Painting door and window shutters with 2 coats of synthetic enamel paint over a coat of pink wood primer to wooden surfaces and other compatible primer to other surfaces to -		
	(a) Shutters panelled with wooden panels and/ or wooden louveres and/ or asbestos cement sheets	207.00	Sq.M.
	(b) Shutters partly panelled with wooden panels and/ or wooden louveres and/ or asbestos cement sheets and partly glazed	92.00	Sq.M.
22	Polishing door and window shutters with french polish to give an even shade and surface to -		
	(a) Shutters panelled with wooden panels and/ or wooden louveres and/ or asbestos cement sheets	333.00	Sq.M.
	(b) Shutters partly panelled with wooden panels and/ or wooden louveres and/ or asbestos cement sheets and partly glazed	148.00	Sq.M.
23	Providing and fixing solid hard wood core flush door shutters with decorative teak veneer plywood 3 mm thick on each face including oxidised iron hinges and galvanised screws and applying French polish to give an even surface and shade etc. complete as directed.		
	(a) Shutters 40 mm thick	3,126.00	Sq.M.
	(b) Shutters 35 mm thick	2,753.00	Sq.M.
	(c) Shutters 30 mm thick	2,650.00	Sq.M.
	(d) Shutters 25 mm thick	2,622.00	Sq.M.
24	Providing and fixing solid hard wood core flush door shutters with 3 mm thick commercial plywood facing on each face including oxidised iron hinges and galvanised screws and applying two coats of approved synthetic enamel paint over a coat of pink wood primer etc. complete as directed.		
	(a) Shutters 40 mm thick	2,038.00	Sq.M.
	(b) Shutters 35 mm thick	1,867.00	Sq.M.
	(c) Shutters 30 mm thick	1,811.00	Sq.M.
	(d) Shutters 25 mm thick	1,640.00	Sq.M.
25	Providing and fixing solid hard wood core flush door shutters with 3 mm thick commercial plywood facing on one face & decorative teak veneer plywood on the other face including oxidised iron		

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
	hinges and galvanised screws and applying two coats of synthetic enamel paint over a coat of pink wood primer to commercial plywood and french polish to veneer plywood etc. complete as directed.		
	(a) Shutters 40 mm thick	2,637.00	Sq.M.
	(b) Shutters 35 mm thick	2,448.00	Sq.M.
	(c) Shutters 30 mm thick	2,391.00	Sq.M.
	(d) Shutters 25 mm thick	2,220.00	Sq.M.
26	Extra over rate for Item Nos.23, 24 and 25 above for providing rectangular or square glazed vision panels in door shutters.	63.00	Sq.M.
27	Extra over rate for Item Nos.23, 24 and 25 above for providing 2nd class teak wood louvered panel in the door shutters.	115.00	Sq.M.
28	Extra over rate for Item Nos.6 to 11 & 23 to 25 in doors and for Item Nos.12 to 20 in windows for providing aluminium hinges in lieu of oxidised iron hinges.	82.00	Sq.M.
29	Extra over rate for Item Nos.6 to 11 & 23 to 25 in doors and for Item Nos.12 to 20 in windows for providing oxidised brass hinges in lieu of oxidised iron hinges.	187.00	Sq.M.
30	Providing and fixing 30 mm thick teak wood battened and framed door shutters of 2nd class teak wood including oxidised iron hinges and galvanised screws and painting with two coats of synthetic enamel paint over a coat of pink wood primer etc. complete as directed.	3,577.00	Sq.M.
31	Providing and fixing 30 mm thick teak wood ledged, braced and battened door/ window shutters with necessary ledges & braces of 2nd class teak wood including oxidised iron hinges and galvanised screws and painting with two coats of approved synthetic enamel paint over a coat of wood primer etc. complete as directed.	5,184.00	Sq.M.
32	Providing & fixing 5mm thick ground glass strips 100 mm wide @75 mm centres into grooves cut inclined downwards into teak wood frame and fixing 2nd class teak wood beading including two	1,956.00	Sq.M.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
	coats of approved synthetic enamel paint over a coat of wood primer to teak wood beading etc. complete as directed (Note: Teak wood frame to be paid separately).		
33	Providing and fixing wire gauze shutters using 140 G.I.S. designated m.s. wire gauze including oxidised iron fixtures and fastenings and painting with two coats of synthetic enamel paint over a coat of primer etc. complete as directed.	2,414.00	Sq.M.
34	Providing & fixing door/ window shutters 30 mm thick of 2nd class teak wood with weldmesh/ XPM panels including beading of 2nd class teak wood, oxidised iron fixtures and fastenings and applying two coats of synthetic enamel paint over a coat of primer etc. complete as directed.	2,494.00	Sq.M.
35	Providing and fixing cover mouldings of 2nd class teak wood in doors/ window frames with necessary brass screws and painting with two coats of approved synthetic enamel paint over a coat of wood primer OR French polishing to give an even surface and shade as directed etc. complete.		
	(a) Size 50X12 mm	145.00	Mtr.
	(b) Size 40X12 mm	133.00	Mtr.
36	Providing and fixing pelmet made of 12 mm thick and 100 mm wide plywood with decorative teak veneer facing on one side including 15X4 mm second class teak wood lipping to the under side and French polishing to give an even surface and shade etc. complete as directed.		
	(a) with 16 mm dia. anodised aluminium curtain rod with couplings	741.00	Mtr.
	(b) with anodised aluminium channels, rollers and stop ends complete	720.00	Mtr.
37	Providing and fixing 2nd class teak wood 100X75 mm moulded handrail in staircase/ balcony, RCC pardi and French polishing to give an even surface and shade etc. complete as directed.	834.00	Mtr.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
38	Providing and fixing shelves of 2nd class teak wood planks 25 mm thick supported on teak wood or m.s. brackets including two coats of approved synthetic enamel paint over a coat of primer etc. complete as directed (Rate is inclusive of cost of brackets).	3,149.00	Sq.M.
39	Providing, erecting and fixing in position partly panelled and partly glazed partition with 2nd class teak wood framework having corner posts of 75X75 mm size and other members of 75X38 mm size, 6 mm thick plywood panelling and 4 mm thick frosted/ figured glazing fixed with 2nd class teak wood beading including French polishing to give an even surface and shade etc. complete as directed (Note: Teak wood frame work will be paid separately and its area will be deducted from the measurement of this item. Rate includes cost of beading).	1,109.00	Sq.M.
40	Providing, erecting and fixing in position partition comprising of 2nd class teak wood frame work, brick on edge masonry in CM (1:4) with 12 mm thick plaster in CM (1:3) finished smooth for the lower part & glass panelled with plain/ frosted/ figured glass 4 mm thick with 2nd class teak wood battens for the upper part including 2 coats of oil painting or French polishing to give an even surface and shade etc. complete as directed (Note: Teak wood frame work will be paid separately and its area will be deducted from the measurement of this item. Rate includes cost of beading).	1,233.00	Sq.M.
41	Providing and fixing expanded metal in partition including fixing 2nd class teak wood beading complete and applying 2 coats of oil paint but exclusive of teak wood frame work etc. complete as directed (Measurement will be taken for clear opening between the frame work).	944.00	Sq.M.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
42	Providing and fixing steel weld mesh B.R.C. with 2nd class teak wood beading complete including applying 2 coats of oil paint but exclusive of teak wood frame work etc. complete (Measurement will be taken for clear opening between the frame work).	956.00	Sq.M.
43	Providing and fixing bamboo mats including bamboo batten frame work.	114.00	Sq.M.
44	Providing bully for trusses 3 Mtrs. and longer in posts and frame work including 3 coats of approved synthetic enamel paint complete as directed.		
	(a) Non-teak bullies (100 mm mean dia.)	368.00	Mtr.
	(b) Non-teak bullies (150 mm mean dia.)	472.00	Mtr.
45	Providing and fixing bright brass single acting spring hinges with necessary brass screws complete as directed.		
	(a) 100 mm size hinge	755.00	Each
	(b) 150 mm size hinge	798.00	Each
46	Providing and fixing bright brass double acting spring hinges with necessary brass screws complete as directed.		
	(a) 100 mm size hinge	746.00	Each
	(b) 150 mm size hinge	817.00	Each
47	Providing and fixing night latch of 'Godrej' or equivalent make.	854.00	Each
48	Providing & fixing wide angle lens peep-holes to the door shutters.	124.00	Each
49	Providing & fixing hydraulic door closer of approved make conforming to I.S. specifications complete as directed.	1,088.00	Each
50	Providing and fixing 200 mm long brass letter plate to the door shutters.	376.00	Each
51	Providing & fixing cloth hangers comprising of pegs of approved size each with two hanging points fixed on the battens complete as directed.		
	(a) oxidised iron pegs	30.00	Each
	(b) anodized aluminium pegs	47.00	Each
	(c) anodized brass pegs	51.00	Each

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
52	Providing & fixing metallic door stopper.		
	(a) brass	131.00	Each
	(b) aluminium	58.00	Each
53	Providing and fixing the following fixtures and hardware to the wood work including required screws and other fastenings.		
	(a) Eyes and hooks -		
	(i) Iron oxidised - 100 mm	19.00	Each
	(ii) Iron oxidised - 150 mm	21.00	Each
	(iii) Iron oxidised - 200 mm	24.00	Each
	(iv) Brass oxidised - 100 mm	36.00	Each
	(v) Brass oxidised - 150 mm	54.00	Each
	(vi) Brass oxidised - 200 mm	66.00	Each
	(vii) Anodised aluminium - 100 mm	24.00	Each
	(viii) Anodised aluminium - 150 mm	29.00	Each
	(ix) Anodised aluminium - 200 mm	27.00	Each
	(b) Handles -		
	(i) Iron oxidised - 100 mm	15.00	Each
	(ii) Iron oxidised - 150 mm	19.00	Each
	(iii) Brass oxidised - 100 mm	52.00	Each
	(iv) Brass oxidised - 150 mm	54.00	Each
	(v) Brass oxidised - 200 mm	62.00	Each
	(vi) Anodised aluminium - 100 mm	20.00	Each
	(vii) Anodised aluminium - 150 mm	34.00	Each
	(viii) Anodised aluminium - 200 mm	38.00	Each
	(c) Aldrops -		
	(i) Iron oxidised - 200 mm	114.00	Each
	(ii) Iron oxidised - 250 mm	130.00	Each
	(iii) Iron oxidised - 300 mm	138.00	Each
	(iv) Brass oxidised - 200 mm	403.00	Each
	(v) Brass oxidised - 250 mm	543.00	Each
	(vi) Brass oxidised - 300 mm	688.00	Each
	(vii) Brass oxidised - 350 mm	930.00	Each
	(viii) Anodised aluminium - 200 mm	133.00	Each
	(ix) Anodised aluminium - 250 mm	166.00	Each
	(x) Anodised aluminium - 300 mm	222.00	Each
	(d) Tower bolts -		
	(i) Iron oxidised - 100 mm	31.00	Each
	(ii) Iron oxidised - 150 mm	37.00	Each
	(iii) Iron oxidised - 200 mm	56.00	Each

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
	(iv) Brass oxidised - 100 mm	91.00	Each
	(v) Brass oxidised - 150 mm	140.00	Each
	(vi) Brass oxidised - 200 mm	160.00	Each
	(vii) Anodised aluminium - 100 mm	49.00	Each
	(viii) Anodised aluminium - 150 mm	53.00	Each
	(ix) Anodised aluminium - 200 mm	58.00	Each
	(e) Door latches -		
	(i) Iron oxidised - 200 mm	126.00	Each
	(ii) Iron oxidised - 250 mm	134.00	Each
	(iii) Iron oxidised - 300 mm	143.00	Each
	(iv) Brass oxidised - 200 mm	195.00	Each
	(v) Brass oxidised - 250 mm	213.00	Each
	(vi) Brass oxidised - 300 mm	288.00	Each
	(vii) Anodised aluminium - 200 mm	143.00	Each
	(viii) Anodised aluminium - 250 mm	162.00	Each
	(ix) Anodised aluminium - 300 mm	167.00	Each
54	Removing existing weather shade including brackets, aluminium/ GI sheets and re-fixing the same after plastering, drilling holes, nailing, fixing the old sheet with 'J' bolts including cement vata etc. complete as directed.	481.00	Each
55	Fixing existing weather shade with required fastening including scaffolding, hanging platform etc. complete as directed.	207.00	Each
56	Providing and fixing teak wood window shutter with 2nd class teak wood rails and styles 38 mm thick in single pieces and partly 30 mm thick wooden panelled, in single piece with bevelled borders fixed in grooves in style and rails, partly louvered 12 mm thick in single piece fixed with 2nd class teak wood beading in inclined grooves including oxidised iron fitting etc. complete as directed.	3,970.00	Sq.M.
57	Providing and fixing teak wood door shutter with 2nd class teak wood rails and styles 38 mm thick in single pieces and partly 20 mm thick wooden panelled, in single piece with bevelled borders fixed in grooves in style and rails including oxidised iron fittings etc. complete as directed.	4,718.00	Sq.M.

XII - Wood Work

Sr. No.	Item Description	Rate in `	Unit
58	Providing and fixing door shutter of anodised aluminum section (20 mm series) using hardner panel of approved brand, design/ shade of thickness 4 mm using good quality rubble gasket including stainless steel hinges, metallic screws etc. complete as directed.	2,293.00	Sq.M.
59	Providing and applying 3 coats of fire retardent coating of Sunnoflame or equivalent over the wood work as per manufacturer's specifications etc. complete.	382.00	Sq.M.

Rate Analysis for 0.042 Cu.M. of Item:
Providing 2nd class teak wood work wrought, framed, hoisted and fixed in position in trusses, purlins, rafters, posts and the like etc.

Corresponding Item No. 1 of Section -XII of MbPT SOR 2014
 New Item No. 1 of Section -XII
 NBO Ref. No.10.4(b) Page:302 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.044	Cu.M.	63279.84	2784.31	1.	Carpenter I	0.500	No.	540.38	270.19	
2.	Sundries		Lumpsum		20.00	2.	Carpenter II	0.500	No.	525.00	262.50	
3.	Carriage		Lumpsum		8.00	3.	Mazdoor-Male	3.000	No.	478.85	1436.55	
						4.	Mason I	0.120	No.	540.38	64.85	
						5.	Mazdoor-Male Labour for hoisting	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					2812.31	TOTAL (L) =Rs.					2512.94	

Total of (M) + (L) =	(I)	= `	5325.25	Total = (I) + (II) =	(III)	= `	5786.62
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	532.52
Add: Allowance for PF @13.61% of (L)		= `	342.01	Grand Total		=	(III)+(IV)= ` 6319.15
Add: Allowance for Employee' insurance @4.75% of (L)		= `	119.36	This is cost for	0.042	Cu.M.	
Total of allowances =	(II)	= `	461.37	Therefore, Unit cost		=	
				6319.15 ÷	0.042	=Rs.	150455.91
			Say Rs. 150,456.00	per Cu.M.			

Rate Analysis for 0.042 Cu.M. of Item:
Extra over rate for painting with two coats of approved synthetic enamel paint over a coat of wood primer for item No.1 above

Corresponding Item No. 2 of Section -XII of MbPT SOR 2014
 New Item No. 2 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Painting in two coats (Item No.9, Section-X)	2.590	Sq.M.	167.00	432.53							
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					437.53	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 437.53
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = `

Surface area for painting:			
2 X 2.17 (0.10+0.075) X 2	= 1.519	Sq.M.	
2 X 1.19 (0.10+0.075) X 2	= 0.833	Sq.M.	
	2.352	Sq.M.	
<u>Add:</u> Painting coefficient 10%			
1.1 X 2.352	= 2.587	Sq.M.	
say	2.59	Sq.M.	

Total = (I) + (II) = (III) = ` 437.53
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 43.75
 Grand Total = (III)+(IV) =Rs. 481.28

This is cost for 0.042 Cu.M.

Therefore, Unit cost =
 481.28 ÷ 0.042 =Rs. 11459.12

Say Rs. 11,459.00 per Cu.M.

Rate Analysis for 0.036 Cu.M. of Item:
Providing 2nd class teak wood in frames of doors/ windows etc. wrought, framed and fixed in position including m.s. hold-fasts, etc.

Corresponding Item No. 3 of Section -XII of MbPT SOR 2014
 New Item No. 3 of Section -XII
 NBO Ref. No.10.1b Page:299 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.038	Cu.M.	63279.84	2404.63	1.	Carpenter I	0.040	No.	540.38	21.62	
2.	Sundries		Lumpsum		20.00	2.	Carpenter II	0.040	No.	525.00	21.00	
3.	Carriage		Lumpsum		8.00	3.	Mazdoor-Male	0.080	No.	478.85	38.31	
TOTAL (M) =Rs.					2432.63	TOTAL (L) =Rs.					80.92	

Total of (M) + (L) =	(I)	= `	2513.56	Total = (I) + (II) =	(III)	= `	2528.41
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	251.36
Add: Allowance for PF @13.61% of (L)		= `	11.01	Grand Total		= (III)+(IV)= `	2779.77
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.84	This is cost for	0.036 Cu.M.		
Total of allowances =	(II)	= `	14.86	Therefore, Unit cost		=	
				2779.77 ÷	0.036	=Rs.	77215.84
			Say Rs. 77,216.00	per Cu.M.			

Rate Analysis for 0.036 Cu.M. of Item:
Extra over rate for polishing with french polish to the exposed surfaces to give an even surface and shade etc. for item No.3 above

Corresponding Item No. 4 of Section -XII of MbPT SOR 2014
 New Item No. 4 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Polishing in three coats (Item No.11, Section-X)	1.930	Sq.M.	269.00	519.17							
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					524.17	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 524.17
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = `

Surface area for painting:
 Door frame size: 2.0675X1.175 Mtrs.
 2X2.0675(0.095+0.07)X2 = 1.365 Sq.M.
 2X1.175(0.095+0.07)X2 = 0.388 Sq.M.
 1.752 Sq.M.
Add: Painting coefficient 10%
 1.1 X 1.752 = 1.928 Sq.M.
 say 1.93 Sq.M.

Total = (I) + (II) = (III) = ` 524.17
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 52.42
 Grand Total = (III)+(IV) =Rs. 576.59

This is cost for 0.036 Cu.M.

Therefore, Unit cost =
 576.59 ÷ 0.036 =Rs. 16016.31

Say Rs. 16,016.00 per Cu.M.

Rate Analysis for 0.036 Cu.M. of Item:
Extra over rate for painting with two coats of approved synthetic enamel paint over a coat of wood primer for item No.3 above

Corresponding Item No. 5 of Section -XII of MbPT SOR 2014
 New Item No. 5 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Painting in two coats (Item No.9, Section-X)	1.930	Sq.M.	167.00	322.31							
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					327.31	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 327.31
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = `

Surface area for painting:
 Door frame size: 2.0675X1.175 Mtrs.
 2X2.0675(0.095+0.07)X2 = 1.365 Sq.M.
 2X1.175(0.095+0.07)X2 = 0.388 Sq.M.
 1.752 Sq.M.
Add: Painting coefficient 10%
 1.1 X 1.752 = 1.928 Sq.M.
 say 1.93 Sq.M.

Total = (I) + (II) = (III) = ` 327.31
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 32.73
 Grand Total = (III)+(IV) =Rs. 360.04

This is cost for 0.036 Cu.M.

Therefore, Unit cost =
 360.04 ÷ 0.036 =Rs. 10001.14

Say Rs. 10,001.00 per Cu.M.

Rate Analysis for 2.160 Sq.M. of Item:
Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30mm thick in single pieces and fully wooden panelled etc.

Corresponding Item No. 6 of Section -XII of MbPT SOR 2014
 New Item No. 6 of Section -XII
 NBO Ref. No.10.12b Page:313 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.059	Cu.M.	63279.84	3733.51	1.	Carpenter I	1.140	No.	540.38	616.03	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Carpenter II	2.000	No.	525.00	1050.00	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Sundries		Lumpsum		80.00	4.	Maistry	0.120	No.	540.38	64.85	
5.	Carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					3943.26	TOTAL (L) =Rs.					2209.73	

Total of (M) + (L) =	(I)	= `	6152.99	Total = (I) + (II) =	(III)	= `	6558.69
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	615.30
Add: Allowance for PF @13.61% of (L)		= `	300.74	Grand Total		= (III)+(IV)= `	7173.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	104.96	This is cost for	2.160	Sq.M.	
Total of allowances =	(II)	= `	405.71	Therefore, Unit cost	7173.99	÷ 2.160	=Rs. 3321.29
			Say Rs. 3,321.00		per Sq.M.		

Rate Analysis for 2.160 Sq.M. of Item:
Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 20mm thick in single pieces and partly wooden panelled & partly glass panned etc.

Corresponding Item No. 7 of Section -XII of MbPT SOR 2014
 New Item No. 7 of Section -XII
 NBO Ref. No.10.12b Page:313 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.056	Cu.M.	63279.84	3543.67	1.	Carpenter I	1.140	No.	540.38	616.03	
2.	Glass panels 4mm thick 1x0.8x0.2	0.160	Sq.M.	433.90	69.42	2.	Carpenter II	2.000	No.	525.00	1050.00	
3.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Screws 40mm	32.000	Nos.	0.72	23.05	4.	Maistry	0.120	No.	540.38	64.85	
5.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					3817.84	TOTAL (L) =Rs.					2209.73	

Total of (M) + (L) = (I) = ` 6027.57

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 300.74

Add: Allowance for Employee' insurance @4.75% of (L) = ` 104.96

Total of allowances = (II) = ` 405.71

Total = (I) + (II) = (III) = ` 6433.28

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 602.76

Grand Total = (III)+(IV)= ` 7036.03

This is cost for 2.160 Sq.M.

Therefore, Unit cost = 7036.03 ÷ 2.160 =Rs. 3257.42

Say Rs. 3,257.00 per Sq.M.

Rate Analysis for 2.100 Sq.M. of Item:
Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30mm thick in single piece and fully wooden panelled etc.

Corresponding Item No. 8 of Section -XII of MbPT SOR 2014
 New Item No. 8 of Section -XII
 NBO Ref. No.10.12b Page:313 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.025	Cu.M.	63279.84	1582.00	1.	Carpenter I	1.140	No.	540.38	616.03	
2.	Particle board 12mm	1.500	Sq.M.	434.75	652.12	2.	Carpenter II	2.000	No.	525.00	1050.00	
3.	Beading decorative	14.000	Mtrs.	22.03	308.48	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	4.	Maistry	0.120	No.	540.38	64.85	
5.	Screws 40mm	32.000	Nos.	0.72	23.05							
6.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2747.34	TOTAL (L) =Rs.					2209.73	

Total of (M) + (L) = (I) = ` 4957.07

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 300.74

Add: Allowance for Employee' insurance @4.75% of (L) = ` 104.96

Total of allowances = (II) = ` 405.71

Total = (I) + (II) = (III) = ` 5362.77

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 495.71

Grand Total = (III)+(IV)= ` 5858.48

This is cost for 2.100 Sq.M.

Therefore, Unit cost =
 5858.48 ÷ 2.100 =Rs. 2789.75

Say Rs. 2,790.00 per Sq.M.

Rate Analysis for 2.100 Sq.M. of Item:
Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30mm thick in single pieces partly wooden panelled & partly asbestors sheet etc.

Corresponding Item No. 9 of Section -XII of MbPT SOR 2014
 New Item No. 9 of Section -XII
 NBO Ref. No.10.12b Page:313 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.041	Cu.M.	63279.84	2594.47	1.	Carpenter I	1.140	No.	540.38	616.03	
2.	AC Sheets	0.800	Sq.M.	200.00	160.00	2.	Carpenter II	2.000	No.	525.00	1050.00	
3.	Sash bars	7.000	Mtrs.	38.14	266.95	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	4.	Maistry	0.120	No.	540.38	64.85	
5.	Screws 40mm	32.000	Nos.	0.72	23.05							
6.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					3226.17	TOTAL (L) =Rs.					2209.73	

Total of (M) + (L) =	(I)	= `	5435.90	Total = (I) + (II) =	(III)	= `	5841.60
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	543.59
Add: Allowance for PF @13.61% of (L)		= `	300.74	Grand Total		= (III)+(IV)= `	6385.19
Add: Allowance for Employee' insurance @4.75% of (L)		= `	104.96	This is cost for	2.100	Sq.M.	
Total of allowances =	(II)	= `	405.71	Therefore, Unit cost	6385.19	÷ 2.100	=Rs. 3040.57
			Say Rs. 3,041.00			per Sq.M.	

Rate Analysis for 2.100 Sq.M. of Item:
Providing and fixing door with partly louvered and partly panelled 30 mm thick etc.

Corresponding Item No. 10 of Section -XII of MbPT SOR 2014
 New Item No. 10 of Section -XII
 NBO Ref. No.10.12b Page:313 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.041	Cu.M.	63279.84	2594.47	1.	Carpenter I	1.140	No.	540.38	616.03	
2.	Teak wood louvers	0.008	Cu.M.	63279.84	506.24	2.	Carpenter II	2.000	No.	525.00	1050.00	
3.	Battens	5.200	Mtrs.	12.71	66.10	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	4.	Maistry	0.120	No.	540.38	64.85	
5.	Screws 40mm	32.000	Nos.	0.72	23.05							
6.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					3371.56	TOTAL (L) =Rs.					2209.73	

Total of (M) + (L) =	(I)	= `	5581.29	Total = (I) + (II) =	(III)	= `	5987.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	558.13
Add: Allowance for PF @13.61% of (L)		= `	300.74	Grand Total	=	(III)+(IV)= `	6545.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	104.96	This is cost for	2.100	Sq.M.	
Total of allowances =	(II)	= `	405.71	Therefore, Unit cost	=		
				6545.12 ÷	2.100	=Rs.	3116.73
			Say Rs. 3,117.00	per Sq.M.			

Rate Analysis for 2.100 Sq.M. of Item:
Providing and fixing single leaf door shutters with 2nd class teak wood rails and styles 30mm thick in single piece and fully wooden panelled etc.

Corresponding Item No. 11 of Section -XII of MbPT SOR 2014
 New Item No. 11 of Section -XII
 NBO Ref. No.10.12b Page:313 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.030	Cu.M.	63279.84	1898.40	1.	Carpenter I	1.140	No.	540.38	616.03	
2.	Particle board 12mm	1.200	Sq.M.	434.75	521.70	2.	Carpenter II	2.000	No.	525.00	1050.00	
3.	Beading decorative	18.000	Mtrs.	22.03	396.61	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Glass 4mm thick	0.160	Sq.M.	433.90	69.42	4.	Maistry	0.120	No.	540.38	64.85	
5.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
6.	Screws 40mm	32.000	Nos.	0.72	23.05							
7.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					3090.87	TOTAL (L) =Rs.					2209.73	

Total of (M) + (L) = (I) = ` 5300.60

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 300.74

Add: Allowance for Employee' insurance @4.75% of (L) = ` 104.96

Total of allowances = (II) = ` 405.71

Total = (I) + (II) = (III) = ` 5706.31

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 530.06

Grand Total = (III)+(IV)= ` 6236.37

This is cost for 2.100 Sq.M.

Therefore, Unit cost = 6236.37 ÷ 2.100 =Rs. 2969.70

Say Rs. 2,970.00 per Sq.M.

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing double leaf window shutters 30mm thick styles and fully wooden panelled etc.

Corresponding Item No. 12 of Section -XII of MbPT SOR 2014
 New Item No. 12 of Section -XII
 NBO Ref. No. . Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for frames	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.6 above					
2.	Second class Indian teak wood for panels	0.020	Cu.M.	63279.84	1265.60		For 2.160 Sq.M.			=	2209.73	
3.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70		For 1.440 Sq.M.			=	1473.15	
4.	Screws 40mm	32.000	Nos.	0.72	23.05							
5.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2989.06	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) =	(I)	= `	4462.21	Total = (I) + (II) =	(III)	= `	4732.68
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	446.22
Add: Allowance for PF @13.61% of (L)		= `	200.50	Grand Total		= (III)+(IV)= `	5178.90
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.97	This is cost for 1.440 Sq.M.			
Total of allowances =	(II)	= `	270.47	Therefore, Unit cost		=	
				5178.90 ÷ 1.440		=Rs.	3596.46
			Say Rs. 3,596.00	per Sq.M.			

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing double leaf window shutters 2nd class teak wood rails and styles 30mm thick in single pieces and partly wooden panelled with 2nd class teak wood & partly glass panels etc.

Corresponding Item No. 13 of Section -XII of MbPT SOR 2014
 New Item No. 13 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for frames	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.12 above					
2.	Second class Indian teak wood for panels	0.010	Cu.M.	63279.84	632.80		For	1.440	Sq.M.	=	1473.15	
3.	Glass 4 mm thick	0.450	Sq.M.	433.90	195.25							
4.	Sash bars	2.000	Mtrs.	38.14	76.27							
5.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
6.	Screws 40mm	32.000	Nos.	0.72	23.05							
7.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2627.79	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) =	(I)	= `	4100.94	Total = (I) + (II) =	(III)	= `	4371.41
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	410.09
Add: Allowance for PF @13.61% of (L)		= `	200.50	Grand Total	=	(III)+(IV)= `	4781.50
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.97	This is cost for	1.440	Sq.M.	
Total of allowances =	(II)	= `	270.47	Therefore, Unit cost	4781.50	÷	1.440 =Rs. 3320.49
			Say Rs. 3,320.00			per Sq.M.	

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing fully panelled window shutters with 2nd class teak wood rails of styles 30mm thick with 12mm thick particle boards etc.

Corresponding Item No. 14 of Section -XII of MbPT SOR 2014
 New Item No. 14 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for frames	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.12 above					
2.	Particle board 12mm	0.900	Sq.M.	434.75	391.27		For	1.440	Sq.M.	=	1473.15	
3.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
4.	Screws 40mm	32.000	Nos.	0.72	23.05							
5.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2114.73	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) =	(I)	= `	3587.89	Total = (I) + (II) =	(III)	= `	3858.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	358.79
Add: Allowance for PF @13.61% of (L)		= `	200.50	Grand Total	=	(III)+(IV)= `	4217.15
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.97	This is cost for	1.440	Sq.M.	
Total of allowances =	(II)	= `	270.47	Therefore, Unit cost	4217.15	÷	1.440 =Rs. 2928.57
Say Rs. 2,929.00				per Sq.M.			

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing window shutters double leaf teak wood rails and styles 30mm thick partly panelled in 4 mm thick glass & partly particle board etc.

Corresponding Item No. 15 of Section -XII of MbPT SOR 2014
 New Item No. 15 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for frames	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.12 above					
2.	Particle board 12mm	0.450	Sq.M.	434.75	195.64		For	1.440	Sq.M.	=	1473.15	
3.	Glass 4mm thick	0.450	Sq.M.	433.90	195.25							
4.	Sash bar	2.000	Mtrs.	38.14	76.27							
5.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
6.	Screws 40mm	32.000	Nos.	0.72	23.05							
7.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2190.62	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) =	(I)	= `	3663.78	Total = (I) + (II) =	(III)	= `	3934.25
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	366.38
Add: Allowance for PF @13.61% of (L)		= `	200.50	Grand Total		= (III)+(IV)= `	4300.63
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.97	This is cost for	1.440	Sq.M.	
Total of allowances =	(II)	= `	270.47	Therefore, Unit cost	4300.63	÷ 1.440	=Rs. 2986.55
			Say Rs. 2,987.00		per	Sq.M.	

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing double leaf window shutters with 2nd class teak wood rails and styles fully glazed shutter etc.

Corresponding Item No. 16 of Section -XII of MbPT SOR 2014
 New Item No. 16 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for frames	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.12 above					
3.	Glass 4mm thick	0.900	Sq.M.	433.90	390.51		For	1.440	Sq.M.	=	1473.15	
4.	Sash bar	4.000	Mtrs.	38.14	152.54							
5.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
6.	Screws 40mm	32.000	Nos.	0.72	23.05							
7.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2266.51	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) = (I) = ` 3739.67

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 200.50

Add: Allowance for Employee' insurance @4.75% of (L) = ` 69.97

Total of allowances = (II) = ` 270.47

Total = (I) + (II) = (III) = ` 4010.14

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 373.97

Grand Total = (III)+(IV)= ` 4384.10

This is cost for 1.440 Sq.M.

Therefore, Unit cost =
 4384.10 ÷ 1.440 =Rs. 3044.52

Say Rs. 3,045.00 per Sq.M.

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing double leaf window shutters fully with louvers etc.

Corresponding Item No. 17 of Section -XII of MbPT SOR 2014
 New Item No. 17 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for frames	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.12 above					
2.	Second class Indian teak wood for panels	0.010	Cu.M.	63279.84	632.80		For	1.440	Sq.M.	=	1473.15	
3.	Teak wood louvers	0.0045	Cu.M.	63279.84	284.76							
4.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
5.	Screws 40mm	32.000	Nos.	0.72	23.05							
6.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2641.02	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) =	(I)	= `	4114.17	Total = (I) + (II) =	(III)	= `	4384.64
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	411.42
Add: Allowance for PF @13.61% of (L)		= `	200.50	Grand Total		=	(III)+(IV)= ` 4796.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.97	This is cost for	1.440	Sq.M.	
Total of allowances =	(II)	= `	270.47	Therefore, Unit cost		=	
				4796.06	÷	1.440	=Rs. 3330.60
			Say Rs. 3,331.00			per Sq.M.	

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing window shutters partly louvered and partly panelled etc.

Corresponding Item No. 18 of Section -XII of MbPT SOR 2014
 New Item No. 18 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for rails and styles	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.12 above					
							For	1.440	Sq.M.	=	1473.15	
2.	Teak wood louvers	0.009	Cu.M.	63279.84	569.52							
3.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
4.	Screws 40mm	32.000	Nos.	0.72	23.05							
5.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2292.98	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) =	(I)	= `	3766.13	Total = (I) + (II) =	(III)	= `	4036.60
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	376.61
Add: Allowance for PF @13.61% of (L)		= `	200.50	Grand Total	=	(III)+(IV)= `	4413.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.97	This is cost for	1.440	Sq.M.	
Total of allowances =	(II)	= `	270.47	Therefore, Unit cost	4413.22	÷	1.440 =Rs. 3064.73
Say Rs. 3,065.00				per Sq.M.			

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing window partly panelled and partly glazed etc.

Corresponding Item No. 19 of Section -XII of MbPT SOR 2014
 New Item No. 19 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for rails and styles	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.12 above					
							For	1.440	Sq.M.	=	1473.15	
2.	Teak wood panels	0.010	Cu.M.	63279.84	632.80							
3.	AC Sheets	0.450	Sq.M.	200.00	90.00							
4.	Sash bars	2.000	Mtrs.	38.14	76.27							
5.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
6.	Screws 40mm	32.000	Nos.	0.72	23.05							
7.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2522.53	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) =	(I)	= `	3995.68	Total = (I) + (II) =	(III)	= `	4266.16
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	399.57
Add: Allowance for PF @13.61% of (L)		= `	200.50	Grand Total	=	(III)+(IV)= `	4665.72
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.97	This is cost for	1.440	Sq.M.	
Total of allowances =	(II)	= `	270.47	Therefore, Unit cost	4665.72	÷	1.440 =Rs. 3240.09
Say Rs. 3,240.00 per Sq.M.							

Rate Analysis for 1.440 Sq.M. of Item:
Providing and fixing fully pannelled window with AC sheet etc.

Corresponding Item No. 20 of Section -XII of MbPT SOR 2014
 New Item No. 20 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood for rails and styles	0.024	Cu.M.	63279.84	1518.72		Same as per Item No.12 above					
							For	1.440	Sq.M.	=	1473.15	
2.	AC Sheets	0.900	Sq.M.	200.00	180.00							
3.	Sash bars	4.000	Mtrs.	38.14	152.54							
4.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70							
5.	Screws 40mm	32.000	Nos.	0.72	23.05							
6.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2056.01	TOTAL (L) =Rs.					1473.15	

Total of (M) + (L) =	(I)	= `	3529.16	Total = (I) + (II) =	(III)	= `	3799.63
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	352.92
Add: Allowance for PF @13.61% of (L)		= `	200.50	Grand Total	=	(III)+(IV)= `	4152.54
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.97	This is cost for	1.440	Sq.M.	
Total of allowances =	(II)	= `	270.47	Therefore, Unit cost	4152.54	÷	1.440 =Rs. 2883.71
Say Rs. 2,884.00				per Sq.M.			

Rate Analysis for 1.000 Sq.M. of Item:
Providing and painting shutters of doors/ windows with two coats of synthetic enamel paint over a coat of pink wood primer etc.
(a) Fully paneled shutters or louvered or AC sheet pannelled.

Corresponding Item No. 21a of Section -XII of MbPT SOR 2014
 New Item No. 21a of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Painting in two coats over a coat of primer 1X1.125 (Item No.9, Section-X)	1.125	Sq.M.	167.00	187.88							
TOTAL (M) =Rs.					187.88	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	187.88	Total = (I) + (II) =	(III)	= `	187.88
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	18.79
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	206.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.000	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	206.66	÷ 1.000	=Rs. 206.66
				Say Rs. 207.00	per	Sq.M.	

Rate Analysis for 1.000 Sq.M. of Item:
Providing and painting shutters of doors/ windows with two coats of synthetic enamel paint over a coat of pink wood primer etc.
(b) Partly panelled and partly glazed.

Corresponding Item No. 21b of Section -XII of MbPT SOR 2014
 New Item No. 21b of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Painting in two coats over a coat of primer 1X0.50 (Item No.9, Section-X)	0.500	Sq.M.	167.00	83.50							
TOTAL (M) =Rs.					83.50	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	83.50	Total = (I) + (II) =	(III)	= `	83.50
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	8.35
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	91.85
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.000	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	91.85	÷ 1.000	=Rs. 91.85
				Say Rs. 92.00	per	Sq.M.	

Rate Analysis for 1.000 Sq.M. of Item:
Providing and polishing with french polish, shutters of doors/ windows etc.
(a) Fully panelled doors and window shutters/ louvered or AC sheet pannelled shutters.

Corresponding Item No. 22a of Section -XII of MbPT SOR 2014
New Item No. 22a of Section -XII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	French polishing fully panelled door 1 x 1.125 (Item No.11, Section-X)	1.125	Sq.M.	269.00	302.63							
TOTAL (M) =Rs.					302.63	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	302.63	Total = (I) + (II) =	(III)	= `	302.63
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	30.26
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	332.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.000	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	332.89	÷	1.000 =Rs. 332.89
				Say Rs. 333.00	per	Sq.M.	

Rate Analysis for 1.000 Sq.M. of Item:
Providing and polishing with french polish, shutters of doors/ windows etc.
(b) Partly panelled & partly glazed doors and window shutters.

Corresponding Item No. 22b of Section -XII of MbPT SOR 2014
 New Item No. 22b of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	French polishing fully panelled door 1 x 0.50 (Item No.11, Section-X)	0.500	Sq.M.	269.00	134.50							
TOTAL (M) =Rs.					134.50	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	134.50	Total = (I) + (II) =	(III)	= `	134.50
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	13.45
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	147.95
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.000	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	147.95	÷	1.000 =Rs. 147.95
				Say Rs. 148.00	per	Sq.M.	

Rate Analysis for 2.200 Sq.M. of Item:
Solid hard wood core flush door shutters with decorative teak veneer plywood 3mm on each face including applying french polishing etc.
(a) Shutters 40mm thick.

Corresponding Item No. 23a of Section -XII of MbPT SOR 2014
New Item No. 23a of Section -XII
NBO Ref. No.10.30a(i) Page: Vol:I
for labour

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door shutter 40 mm thick	2.200	Sq.M.	1889.84	4157.64	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					4312.38	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 5052.12
Add: Allowance for Water charges @1% of (I) = ` 50.52
Add: Allowance for PF @13.61% of (L) = ` 44.14
Add: Allowance for Employee' insurance @4.75% of (L) = ` 16.50
Total of allowances = (II) = ` 111.16
Total of (I) + (II) = (III) = ` 5163.28

*Cost of polishing:	4.400	Sq.M.	269.00	1183.60
(Item No.11, Section-X)				

Total = (I) + (II) = (III) = ` 5187.93
Add: Contractor's over-heads & profit @10% of (I) = ` 518.79
Add: Cost for polishing*: (V)=Rs. 1183.60
Grand Total = (III)+(IV)+(V) =Rs. 6876.74

This is cost for 2.20 Sq.M.
Therefore, Unit cost =
6876.74 ÷ 2.20 =Rs. 3125.79

Say Rs. 3126.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Solid hard wood core flush door shutters with decorative teak veneer plywood 3mm on each face including applying french polishing etc.
(b) 35mm thick shutter.

Corresponding Item No. 23b of Section -XII of MbPT SOR 2014
New Item No. 23b of Section -XII
NBO Ref. No.10.30a(ii) Page: Vol:I
for labour

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door shutter 35 mm thick	2.200	Sq.M.	1550.85	3411.87	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3566.62	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 4306.35
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 100.68
Add: Allowance for Employee' insurance @4.75% of (L) = ` 35.14
Total of allowances = (II) = ` 135.81

*Cost of polishing:	4.400	Sq.M.	269.00	1183.60
(Item No.11, Section-X)				

Total = (I) + (II) = (III) = ` 4442.17
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 430.64
Add: Cost for polishing*: (V)=Rs. 1183.60
Grand Total = (III)+(IV)+(V) =Rs. 6056.40

This is cost for 2.20 Sq.M.
Therefore, Unit cost =
6056.40 ÷ 2.20 =Rs. 2752.91

Say Rs. 2753.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Solid hard wood core flush door shutters with decorative teak veneer plywood 3mm on each face including applying french polishing etc.
(c) 30mm thick shutters.

Corresponding Item No. 23c of Section -XII of MbPT SOR 2014
New Item No. 23c of Section -XII
NBO Ref. No.10.30a(iii) Page: Vol:I
for labour

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door shutter 30 mm thick	2.200	Sq.M.	1457.63	3206.79	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3361.53	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 4101.27
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 100.68
Add: Allowance for Employee' insurance @4.75% of (L) = ` 35.14
Total of allowances = (II) = ` 135.81

*Cost of polishing:	4.400	Sq.M.	269.00	1183.60
(Item No.11, Section-X)				

Total = (I) + (II) = (III) = ` 4237.08
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 410.13
Add: Cost for polishing*: (V)=Rs. 1183.60
Grand Total = (III)+(IV)+(V) =Rs. 5830.81

This is cost for 2.20 Sq.M.
Therefore, Unit cost =
5830.81 ÷ 2.20 =Rs. 2650.37

Say Rs. 2650.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Solid hard wood core flush door shutters with decorative teak veneer plywood 3mm on each face including applying french polishing etc.
(d) 25mm thick shutters.

Corresponding Item No. 23d of Section -XII of MbPT SOR 2014
New Item No. 23d of Section -XII
NBO Ref. No.10.30a(iv) Page: Vol:I
for labour

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door shutter 25 mm thick	2.200	Sq.M.	1432.21	3150.86	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3305.60	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 4045.33
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 100.68
Add: Allowance for Employee' insurance @4.75% of (L) = ` 35.14
Total of allowances = (II) = ` 135.81

*Cost of polishing:	4.400	Sq.M.	269.00	1183.60
(Item No.11, Section-X)				

Total = (I) + (II) = (III) = ` 4181.15
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 404.53
Add: Cost for polishing*: (V)=Rs. 1183.60
Grand Total = (III)+(IV)+(V) =Rs. 5769.28

This is cost for 2.20 Sq.M.
Therefore, Unit cost =
5769.28 ÷ 2.20 =Rs. 2622.40

Say Rs. 2622.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Providing and fixing solid hard wood core flush door shutters with 3mm thick commercial plywood facing on each face applying 2 coats of synthetic enamel paint etc.
(a) Shutters 40mm thick

Corresponding Item No. 24a of Section -XII of MbPT SOR 2014
New Item No. 24a of Section -XII
NBO Ref. No.10.30a Page: Vol:I
for labour

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Non decorative door shutter 40mm thick	2.200	Sq.M.	1086.44	2390.18	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					2544.92	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 3284.65
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 100.68
Add: Allowance for Employee' insurance @4.75% of (L) = ` 35.14
Total of allowances = (II) = ` 135.81

*Cost of painting: 4.400 Sq.M. 167.00 734.80 (Item No.9, Section-X)
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Total = (I) + (II) = (III) = ` 3420.47
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 328.47
Add: Cost for painting*: (V)=Rs. 734.80
Grand Total = (III)+(IV)+(V) =Rs. 4483.73

This is cost for 2.20 Sq.M.
Therefore, Unit cost =
4483.73 ÷ 2.20 =Rs. 2038.06

Say Rs. 2038.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Providing and fixing solid hard wood core flush door shutters with 3mm thick commercial plywood facing on each face applying 2 coats of synthetic enamel paint etc.
(b) Shutters 35mm thick

Corresponding Item No. 24b of Section -XII of MbPT SOR 2014
New Item No. 24b of Section -XII
NBO Ref. No.10.30a Page: Vol:I
for labour

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Non decorative door shutter 35mm thick	2.200	Sq.M.	931.36	2048.99	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					2203.73	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 2943.47
Add: Allowance for Water charges @1% of (I) = ` 29.43
Add: Allowance for PF @13.61% of (L) = ` 44.85
Add: Allowance for Employee' insurance @4.75% of (L) = ` 15.94
Total of allowances = (II) = ` 135.81

*Cost of painting:	4.400	Sq.M.	167.00	734.80
(Item No.9, Section-X)				

Total = (I) + (II) = (III) = ` 3079.28
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 294.35
Add: Cost for painting*: (V)=Rs. 734.80
Grand Total = (III)+(IV)+(V) =Rs. 4108.43

This is cost for 2.20 Sq.M.
Therefore, Unit cost =
4108.43 ÷ 2.20 =Rs. 1867.47

Say Rs. 1867.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Providing and fixing solid hard wood core flush door shutters with 3mm thick commercial plywood facing on each face applying 2 coats of synthetic enamel paint etc.
(c) Shutters 30mm thick

Corresponding Item No. 24c of Section -XII of MbPT SOR 2014
 New Item No. 24c of Section -XII
 NBO Ref. No.10.30a Page: Vol:I
 for labour

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Non decorative door shutter 30mm thick	2.200	Sq.M.	879.66	1935.26	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					2090.01	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 2829.74
 Add: Allowance for Water charges @1% of (I) = ` 100.68
 Add: Allowance for PF @13.61% of (L) = ` 35.14
 Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 135.81

*Cost of painting:	4.400	Sq.M.	167.00	734.80
(Item No.9, Section-X)				

Total = (I) + (II) = (III) = ` 2965.55
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 282.97
 Add: Cost for painting*: (V)=Rs. 734.80
 Grand Total = (III)+(IV)+(V) =Rs. 3983.32

This is cost for 2.20 Sq.M.
 Therefore, Unit cost =

$$\frac{3983.32}{2.20} = \text{Rs. } 1810.60$$

Say Rs. 1811.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Providing and fixing solid hard wood core flush door shutters with 3mm thick commercial plywood facing on each face applying 2 coats of synthetic enamel paint etc.
(d) Shutters 25mm thick

Corresponding Item No. 24d of Section -XII of MbPT SOR 2014
New Item No. 24d of Section -XII
NBO Ref. No.10.30a Page: Vol:I
for labour

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Non decorative door shutter 25mm thick	2.200	Sq.M.	724.58	1594.07	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					1748.82	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 2488.55
Add: Allowance for Water charges @1% of (I) = ` 100.68
Add: Allowance for PF @13.61% of (L) = ` 35.14
Add: Allowance for Employee' insurance @4.75% of (L)
Total of allowances = (II) = ` 135.81

*Cost of painting:	4.400	Sq.M.	167.00	734.80
(Item No.9, Section-X)				

Total = (I) + (II) = (III) = ` 2624.36
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 248.85
Add: Cost for painting*: (V)=Rs. 734.80
Grand Total = (III)+(IV)+(V) =Rs. 3608.02

This is cost for 2.20 Sq.M.
Therefore, Unit cost =
3608.02 ÷ 2.20 =Rs. 1640.01

Say Rs. 1640.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Providing and fixing solid hard wood core flush door shutter with 3mm thick commercial plywood facing on one face and decorative teak veneer plywood on the other face including oxidised iron hinges polishing etc.
(a) Shutters 40mm thick

Corresponding Item No. 25a of Section -XII of MbPT SOR 2014
 New Item No. 25a of Section -XII
 NBO Ref. No.10.30a Page: Vol:I
 for labour

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door shutter - one face veneer & other face non-decorative 40mm thick	2.200	Sq.M.	1538.14	3383.91	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3538.65	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 4278.38
 Add: Allowance for Water charges @1% of (I) = ` 42.78
 Add: Allowance for PF @13.61% of (L) = ` 44.78
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 16.75
 Total of allowances = (II) = ` 104.31
 Total = (I) + (II) = ` 4382.69

*Cost of painting:	2.200	Sq.M.	167.00	367.40
(Item No.9, Section-X)				
*Cost of polishing:	2.200	Sq.M.	269.00	591.80
(Item No.11, Section-X)				

Total = (I) + (II) = (III) = ` 4414.20
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 441.42
 Add: Cost for painting*: (V)=Rs. 367.40
 Add: Cost for polishing*: (VI)=Rs. 591.80

Grand Total = (III) to (VI) =Rs. 5801.24

This is cost for 2.20 Sq.M.

Therefore, Unit cost =
 5801.24 ÷ 2.20 =Rs. 2636.93

Say Rs. 2637.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Providing and fixing solid hard wood core flush door shutter with 3mm thick commercial plywood facing on one face and decorative teak veneer plywood on the other face including oxidised iron hinges polishing etc.
(b) Shutters 35mm thick

Corresponding Item No. 25b of Section -XII of MbPT SOR 2014
 New Item No. 25b of Section -XII
 NBO Ref. No.10.30a Page: Vol:I
 for labour

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door shutter - one face veneer & other face non-decorative 35mm thick	2.200	Sq.M.	1366.11	3005.43	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3160.18	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 3899.91
 Add: Allowance for Water charges @1% of (I) = ` 100.68
 Add: Allowance for PF @13.61% of (L) = ` 35.14
 Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 135.81

*Cost of painting:	2.200	Sq.M.	167.00	367.40
(Item No.9, Section-X)				
*Cost of polishing:	2.200	Sq.M.	269.00	591.80
(Item No.11, Section-X)				

Total = (I) + (II) = (III) = ` 4035.72
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 389.99
 Add: Cost for painting*: (V)=Rs. 367.40
 Add: Cost for polishing*: (VI)=Rs. 591.80

Grand Total = (III) to (VI) =Rs. 5384.91

This is cost for 2.20 Sq.M.

Therefore, Unit cost =
 5384.91 ÷ 2.20 =Rs. 2447.69

Say Rs. 2448.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Providing and fixing solid hard wood core flush door shutter with 3mm thick commercial plywood facing on one face and decorative teak veneer plywood on the other face including oxidised iron hinges polishing etc.
(c) Shutters 30mm thick

Corresponding Item No. 25c of Section -XII of MbPT SOR 2014
 New Item No. 25c of Section -XII
 NBO Ref. No.10.30a Page: Vol:I
 for labour

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door shutter - one face veneer & other face non-decorative 30mm thick	2.200	Sq.M.	1314.41	2891.70	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3046.45	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 3786.18
 Add: Allowance for Water charges @1% of (I) = ` 100.68
 Add: Allowance for PF @13.61% of (L) = ` 35.14
 Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 135.81

*Cost of painting:	2.200	Sq.M.	167.00	367.40
(Item No.9, Section-X)				
*Cost of polishing:	2.200	Sq.M.	269.00	591.80
(Item No.11, Section-X)				

Total = (I) + (II) = (III) = ` 3921.99
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 378.62
 Add: Cost for painting*: (V)=Rs. 367.40
 Add: Cost for polishing*: (VI)=Rs. 591.80

Grand Total = (III) to (VI) =Rs. 5259.81

This is cost for 2.20 Sq.M.

Therefore, Unit cost =
 5259.81 ÷ 2.20 =Rs. 2390.82

Say Rs. 2391.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Providing and fixing solid hard wood core flush door shutter with 3mm thick commercial plywood facing on one face and decorative teak veneer plywood on the other face including oxidised iron hinges polishing etc.
(d) Shutters 25mm thick

Corresponding Item No. 25d of Section -XII of MbPT SOR 2014
 New Item No. 25d of Section -XII
 NBO Ref. No.10.30a Page: Vol:I
 for labour

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door shutter - one face veneer & other face non-decorative 25mm thick	2.200	Sq.M.	1159.33	2550.52	1.	Carpenter I	0.600	No.	540.38	324.23	
2.	Iron Oxidised butt hinges 100X58X1.9mm	4.000	Nos.	25.42	101.70	2.	Mazdoor-Male	0.800	No.	478.85	383.08	
3.	Screws 40mm	32.000	Nos.	0.72	23.05	3.	Maistry	0.060	No.	540.38	32.42	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					2705.26	TOTAL (L) =Rs.					739.73	

Total of (M) + (L) = (I) = ` 3444.99
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 100.68
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 35.14
 Total of allowances = (II) = ` 135.81

*Cost of painting:	2.200	Sq.M.	167.00	367.40
(Item No.9, Section-X)				
*Cost of polishing:	2.200	Sq.M.	269.00	591.80
(Item No.11, Section-X)				

Total = (I) + (II) = (III) = ` 3580.81
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 344.50
 Add: Cost for painting*: (V)=Rs. 367.40
 Add: Cost for polishing*: (VI)=Rs. 591.80

Grand Total = (III) to (VI) =Rs. 4884.51

This is cost for 2.20 Sq.M.

Therefore, Unit cost =
 4884.51 ÷ 2.20 =Rs. 2220.23

Say Rs. 2220.00 per Sq.M.

Rate Analysis for 2.200 Sq.M. of Item:
Extra over rates for providing rectangular or square glazed vision panels in door shutter etc.
for Item Nos.23, 24 and 25 above

Corresponding Item No. 26 of Section -XII of MbPT SOR 2014
New Item No. 26 of Section -XII
NBO Ref. No.10.39 Page:376 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Beading for panel opening - 30X25mm	1.500	Mtrs.	22.03	33.05	1.	Labour for cutting square vision panel and fixing glass and beading		Lumpsum		25.00	
2.	Glass 4 mm thick	0.100	Sq.M.	433.90	43.39							
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					96.44	TOTAL (L) =Rs.					25.00	

Total of (M) + (L) =	(I)	= `	121.44	Total = (I) + (II) =	(III)	= `	126.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	12.14
Add: Allowance for PF @13.61% of (L)		= `	3.40	Grand Total		= (III)+(IV)= `	138.17
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.19	This is cost for	2.20	Sq.M.	
Total of allowances =	(II)	= `	4.59	Therefore, Unit cost		=	
				138.17	÷	2.20	=Rs. 62.81
			Say Rs. 63.00		per	Sq.M.	

Rate Analysis for 2.200 Sq.M. of Item:
Extra over rates for providing second class teak wood louvers in door shutters etc.
for Item Nos.23, 24 and 25 above

Corresponding Item No. 27 of Section -XII of MbPT SOR 2014
New Item No. 27 of Section -XII
NBO Ref. No.10.40 Page:376 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	2nd class teak wood for louvers	0.002	Cu.M.	63279.84	126.56	1.	Labour for fixing louvers		Lumpsum		30.00	
2.	Beading	2.200	Mtrs.	22.03	48.47							
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					195.03	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	225.03	Total = (I) + (II) =	(III)	= `	230.54
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	22.50
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	253.05
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	2.20	Sq.M.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				253.05 ÷	2.20	=Rs.	115.02
			Say Rs. 115.00	per Sq.M.			

Rate Analysis for 2.100 Sq.M. of Item:
Extra over rates for providing aluminum hinges in lieu of Iron oxidised hinges etc.
for Item Nos.6 to 11 and 23 to 25 in doors & for Item Nos.12 to 20 in windows

Corresponding Item No. 28 of Section -XII of MbPT SOR 2014
New Item No. 28 of Section -XII
NBO Ref. No.J(b) Page: Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Difference in cost of oxidised Iron fixtures & aluminum fixtures as shown below Hinges required - 4 Nos. Screws required - 32 Nos.				155.93							
TOTAL (M) =Rs.					155.93	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 155.93
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 155.93
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 15.59
Grand Total = (III)+(IV) =Rs. 171.53

	Hinges	Screws
Iron Oxide: 4Nos.X10.00 & 32Nos.X0.75 =	101.70	23.05
Aluminium: 4Nos.X65.00 & 32Nos.X0.75 =	257.63	23.05
Difference =	155.93	Nil

This is cost for 2.10 Sq.M.
Therefore, Unit cost =
171.53 ÷ 2.10 =Rs. 81.68

Say Rs. 82.00 per Sq.M.

Rate Analysis for 2.100 Sq.M. of Item:
Extra over rates for providing oxidised brass hinges in lieu of oxidised iron hinges etc.
for Item Nos.6 to 11 and 23 to 25 in doors & for Item Nos.12 to 20 in windows

Corresponding Item No. 29 of Section -XII of MbPT SOR 2014
 New Item No. 29 of Section -XII
 NBO Ref. No.J(b) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Difference in cost of oxidised Iron fixtures & brass fixtures as shown below Hinges required - 4 Nos. Screws required - 32 Nos.				356.61							
TOTAL (M) =Rs.					356.61	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 356.61
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 356.61
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 35.66
 Grand Total = (III)+(IV) =Rs. 392.27

	<u>Hinges</u>	<u>Screws</u>
Iron Oxide: 4Nos.X10.00 & 32Nos.X0.75 =	101.70	23.05
Brass: 4Nos.X101.00 & 32Nos.X3.00 =	372.88	108.47
Difference =	271.19	85.42
Total difference =	356.61	

This is cost for 2.10 Sq.M.
 Therefore, Unit cost =
 $392.27 \div 2.10 = \text{Rs. } 186.80$

Say Rs. 187.00 per Sq.M.

Rate Analysis for 1.600 Sq.M. of Item:
Providing and fixing 30 mm thick teak wood battened and framed door shutters of 2nd class teak wood including oxidised iron hinges and galvanised screws and painting etc.

Corresponding Item No. 30 of Section -XII of MbPT SOR 2014
 New Item No. 30 of Section -XII
 NBO Ref. No.10.44 Page:378 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.0475	Cu.M.	63279.84	3005.79	1.	Carpenter II	1.825	No.	525.00	958.13	
2.	Butt hinges - 100X58X1.9mm	3.000	Nos.	25.42	76.27	2.	Mazdoor-Male	0.675	No.	478.85	323.22	
3.	Butt hinges - 50X37X1.4mm	1.000	No.	16.95	16.95	3.	Maistry	0.115	No.	540.38	62.14	
4.	Screws 40mm	24.000	Nos.	0.72	17.29							
5.	Screws 30mm	4.000	Nos.	0.64	2.54							
6.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3148.84	TOTAL (L) =Rs.					1343.49	

Total of (M) + (L) = (I) = ` 4492.34
 Add: Allowance for Water charges @1% of (I) = ` 44.92
 Add: Allowance for PF @13.61% of (L) = ` 182.85
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 63.82
 Total of allowances = (II) = ` 246.67

*Cost of painting:	3.200	Sq.M.	167.00	534.40
(Item No.9, Section-X)				

Total = (I) + (II) = (III) = ` 4739.00
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 449.23
 Add: Cost for painting*: (V)=Rs. 534.40

Grand Total = (III)+(IV)+(V) =Rs. 5722.63

This is cost for 1.60 Sq.M.

Therefore, Unit cost =

$$\frac{5722.63}{1.60} = \text{Rs. } 3576.65$$

Say Rs. 3577.00 per Sq.M.

Rate Analysis for 1.320 Sq.M. of Item:
Providing and fixing 30 mm thick 2nd class teak wood ledged & braced battened door/ window shutters including oxidised iron hinges and galvanised screws etc. with synthethic enamel painting etc.

Corresponding Item No. 31 of Section -XII of MbPT SOR 2014
 New Item No. 31 of Section -XII
 NBO Ref. No.10.46 Page:381 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.06644	Cu.M.	63279.84	4204.31	1.	Carpenter II	1.825	No.	525.00	958.13	
2.	T-hinges - 100 X250 X2.24	2.000	Nos.	3.11	6.21	2.	Mazdoor-Male	0.675	No.	478.85	323.22	
3.	Screws 40mm	16.000	Nos.	0.72	11.53	3.	Maistry	0.115	No.	540.38	62.14	
4.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					4252.05	TOTAL (L) =Rs.					1343.49	

Total of (M) + (L) = (I) = ` 5595.55
 Add: Allowance for Water charges @1% of (I) = ` 55.96
 Add: Allowance for PF @13.61% of (L) = ` 182.85
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 63.82
 Total of allowances = (II) = ` 246.67

*Cost of painting: 2.640 Sq.M. 167.00 440.88 (Item No.9, Section-X)
--

Total = (I) + (II) = (III) = ` 5842.21
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 559.55
 Add: Cost for painting*: (V)=Rs. 440.88

Grand Total = (III)+(IV)+(V) =Rs. 6842.64

This is cost for 1.32 Sq.M.

Therefore, Unit cost =
 6842.64 ÷ 1.32 =Rs. 5183.82

Say Rs. 5184.00 per Sq.M.

Rate Analysis for 0.540 Sq.M. of Item:
Providing and fixing 5mm thick ground glass strip 100mm wide @75mm centers into grooves cut inclined downwards into teak wood frame and painting etc.

Corresponding Item No. 32 of Section -XII of MbPT SOR 2014
 New Item No. 32 of Section -XII
 NBO Ref. No.10.46 Page:381 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Glass strips - 100 x 600mm	0.800	Sq.M.	451.70	361.36	1.	Labour for fixing		Lumpsum		30.00	
2.	Putty		Lumpsum		24.00							
3.	Beading	1.800	Mtrs.	22.03	39.66							
4.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					445.02	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	475.02	Total = (I) + (II) =	(III)	= `	480.53
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	47.50
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total (Lumpsum)		= (III)+(IV)= `	528.03
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	Grand Total =	(III)+(IV)+(V) =Rs.		1056.06
Total of allowances =	(II)	= `	5.51	This is cost for 0.54 Sq.M.			
				Therefore, Unit cost	=		
				1056.06 ÷ 0.54	=Rs.		1955.66
				Say Rs. 1956.00 per Sq.M.			

Rate Analysis for 2.160 Sq.M. of Item:
Providing and fixing wire gauge shutters painting etc.

Corresponding Item No. 33 of Section -XII of MbPT SOR 2014
 New Item No. 33 of Section -XII
 NBO Ref. No.10.52 Page:388 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.0240	Cu.M.	63279.84	1518.72	1.	Carpenter I	1.200	No.	540.38	648.46	
2.	Wire gauge	1.430	Sq.M.	436.44	624.11	2.	Carpenter II	0.800	No.	525.00	420.00	
3.	Beading - 20mmX8 mm	13.200	Mtrs.	22.03	290.85	3.	Mazdoor-Male	0.950	No.	478.85	454.91	
4.	Butt hinges - 100X58X1.9mm	4.000	Nos.	25.42	101.70	4.	Maistry	0.080	No.	540.38	43.23	
5.	Screws 40mm	32.000	Nos.	0.72	23.05							
6.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					2578.42	TOTAL (L) =Rs.					1566.59	

Total of (M) + (L) = (I) = ` 4145.02
 Add: Allowance for Water charges @1% of (I) = ` 213.21
 Add: Allowance for PF @13.61% of (L) = ` 74.41
 Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 287.63

*Cost of painting:	2.160	Sq.M.	170.00	367.20
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 4432.64
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 414.50
 Add: Cost for painting*: (V)=Rs. 367.20

Grand Total = (III)+(IV)+(V) =Rs. 5214.34

This is cost for 2.16 Sq.M.

Therefore, Unit cost =
 5214.34 ÷ 2.16 =Rs. 2414.05

Say Rs. 2414.00 per Sq.M.

Rate Analysis for 2.160 Sq.M. of Item:
Providing and fixing doors/ windows shutters 30mm thick of 2nd class teak wood with weld mesh/ XPM panels including beading etc.

Corresponding Item No. 34 of Section -XII of MbPT SOR 2014
 New Item No. 34 of Section -XII
 NBO Ref. No.10.52 Page:388 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood	0.0334	Cu.M.	63279.84	2113.55	1.	Carpenter I	1.200	No.	540.38	648.46	
2.	Weld mesh/ XPM panels	1.430	Sq.M.	133.90	191.48	2.	Carpenter II	0.800	No.	525.00	420.00	
3.	Beading - 12mmX8 mm	13.200	Mtrs.	22.03	290.85	3.	Mazdoor-Male	0.950	No.	478.85	454.91	
4.	Butt hinges - 100X58X1.9mm	4.000	Nos.	25.42	101.70	4.	Maistry	0.080	No.	540.38	43.23	
5.	Screws 40mm	32.000	Nos.	0.72	23.05							
6.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					2740.62	TOTAL (L) =Rs.					1566.59	

Total of (M) + (L) = (I) = ` 4307.21
 Add: Allowance for Water charges @1% of (I) = ` 43.07
 Add: Allowance for PF @13.61% of (L) = ` 213.21
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 74.41
 Total of allowances = (II) = ` 287.63

*Cost of painting: 2.160 Sq.M. 167.00 360.72 (Item No.9, Section-X)
--

Total = (I) + (II) = (III) = ` 4594.84
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 430.72
 Add: Cost for painting*: (V)=Rs. 360.72

Grand Total = (III)+(IV)+(V) =Rs. 5386.28

This is cost for 2.16 Sq.M.

Therefore, Unit cost =
 $\frac{5386.28}{2.16} = \text{Rs. } 2493.65$

Say Rs. 2494.00 per Sq.M.

Rate Analysis for 5.000 Mtrs. of Item:
Providing and fixing cover moulding of 2nd class teak wood to doors/ windows shutters in frames etc.
(a) Size 50 X 12mm.

Corresponding Item No. 35a of Section -XII of MbPT SOR 2014
 New Item No. 35a of Section -XII
 NBO Ref. No.10.70a Page:409 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood beading	0.0033	Cu.M.	63279.84	208.82	1.	Carpenter I	0.530	No.	540.38	286.40	
2.	Brass screws	36.000	Nos.	1.27	45.76							
3.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					274.59	TOTAL (L) =Rs.					286.40	

Total of (M) + (L) = (I) = ` 560.99
 Add: Allowance for Water charges @1% of (I) = ` 5.61
 Add: Allowance for PF @13.61% of (L) = ` 38.98
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 13.60
 Total of allowances = (II) = ` 52.58

*Cost of painting: 0.250 Sq.M. 218.00 54.50
 (Avg. rate of Item No.9 & 11, Section-X)

Total = (I) + (II) = (III) = ` 613.57
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 56.10
 Add: Cost for painting*: (V)=Rs. 54.50

Grand Total = (III)+(IV)+(V) =Rs. 724.17

This is cost for 5.000 Mtrs.

Therefore, Unit cost =
 $\frac{724.17}{5.000} = \text{Rs. } 144.83$

Say Rs. 145.00 per Mtr.

Rate Analysis for 5.000 Mtrs. of Item:
Providing and fixing cover moulding of 2nd class teak wood to doors/ windows shutters in frames etc.
(b) Size 40 X 12 mm.

Corresponding Item No. 35b of Section -XII of MbPT SOR 2014
New Item No. 35b of Section -XII
NBO Ref. No.10.70a Page:409 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Second class Indian teak wood beading	0.0026	Cu.M.	63279.84	164.53	1.	Carpenter I	0.530	No.	540.38	286.40	
2.	Brass screws	36.000	Nos.	1.27	45.76							
3.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					230.29	TOTAL (L) =Rs.					286.40	

Total of (M) + (L) = (I) = ` 516.69
Add: Allowance for Water charges @1% of (I) = ` 5.17
Add: Allowance for PF @13.61% of (L) = ` 27.14
Add: Allowance for Employee' insurance @4.75% of (L) = ` 9.60
Total of allowances = (II) = ` 41.91
Total of (I) + (II) = ` 558.60

*Cost of painting: 0.200 Sq.M. 218.00 43.60
(Avg. rate of Item No.9 & 11, Section-X)

Total = (I) + (II) = (III) = ` 569.28
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 51.67
Add: Cost for painting*: (V)=Rs. 43.60

Grand Total = (III)+(IV)+(V) =Rs. 664.54

This is cost for 5.000 Mtrs.

Therefore, Unit cost =
664.54 ÷ 5.000 =Rs. 132.91

Say Rs. 133.00 per Mtr.

Rate Analysis for 2.000 Mtrs. of Item:
Providing and fixing pelmet made of 12 mm thick and 100 mm wide plywood with decorative teak veneer facing on one side including 15mm x 4mm 2nd class teak wood lipping to the under side and french polishing etc.
(a) 16mm dia. aluminium curtain rod.

Corresponding Item No. 36a of Section -XII of MbPT SOR 2014
New Item No. 36a of Section -XII
NBO Ref. No.10.74 Page:413 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Decorative teak wood 12mm thick with veneer on one face	0.4780	Sq.M.	1337.29	639.23	1.	Carpenter II	0.150	No.	525.00	78.75	
2.	Teak wood lipping	2.000	Mtrs.	23.73	47.46	2.	Mazdoor-Male	0.150	No.	478.85	71.83	
3.	Curtain rod	1.700	Mtrs.	72.03	122.46	3.	Maistry	0.050	No.	540.38	27.02	
4.	Curtain rod brackets	2.000	Nos.	40.68	81.36							
5.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					910.50	TOTAL (L) =Rs.					177.60	

Total of (M) + (L) = (I) = ` 1088.09
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 24.17
Add: Allowance for Employee' insurance @4.75% of (L) = ` 8.44
Total of allowances = (II) = ` 32.61

*Cost of polishing: 0.940 Sq.M. 269.00 252.86 (Item No.11, Section-X)
--

Total = (I) + (II) = (III) = ` 1120.70
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 108.81
Add:Cost of polishing: (V)=Rs. 252.86

Grand Total = (III)+(IV)+(V) =Rs. 1482.37

This is cost for 2.00 Mtrs.

Therefore, Unit cost =
1482.37 ÷ 2.00 =Rs. 741.19

Say Rs. 741.00 per Mtr.

Rate Analysis for 2.000 Mtrs. of Item:
Providing and fixing pelmet made of 12 mm thick and 100 mm wide plywood with decorative teak veneer facing on one side including 15mm x 4mm 2nd class teak wood lipping to the under side and french polishing etc.
(b) With anodised aluminium channels, rollers stop end etc.

Corresponding Item No. 36b of Section -XII of MbPT SOR 2014
New Item No. 36b of Section -XII
NBO Ref. No.10.74 Page:412 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Decorative teak wood 12mm thick with veneer on one face	0.4780	Sq.M.	1337.29	639.23	1.	Carpenter II	0.150	No.	525.00	78.75	
2.	Teak wood lipping	2.000	Mtrs.	23.73	47.46	2.	Mazdoor-Male	0.150	No.	478.85	71.83	
3.	Curtain channel (anodised)	1.700	Mtrs.	67.80	115.25	3.	Maistry	0.050	No.	540.38	27.02	
4.	Curtain rollers (Plastic)	11.000	Nos.	3.39	37.29							
5.	Curtain stop end	2.000	Nos.	6.78	13.56							
6.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					872.79	TOTAL (L) =Rs.					177.60	

Total of (M) + (L) = (I) = ` 1050.38
Add: Allowance for Water charges @1% of (I) = ` 10.50
Add: Allowance for PF @13.61% of (L) = ` 24.17
Add: Allowance for Employee' insurance @4.75% of (L) = ` 8.44
Total of allowances = (II) = ` 32.61

*Cost of polishing: 0.940 Sq.M. 269.00 252.86
(Item No.11, Section-X)

Total = (I) + (II) = (III) = ` 1082.99
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 105.04
Add:Cost of polishing: (V)=Rs. 252.86

Grand Total = (III)+(IV)+(V) =Rs. 1440.89

This is cost for 2.00 Mtrs.

Therefore, Unit cost =
1440.89 ÷ 2.00 =Rs. 720.44

Say Rs. 720.00 per Mtr.

Rate Analysis for 3.050 Mtrs. of Item:
Providing and fixing 2nd class teak wood 100 x75mm moulding hand rails in staircase, balcony RCC pardi and french polishing etc.

Corresponding Item No. 37 of Section -XII of MbPT SOR 2014
 New Item No. 37 of Section -XII
 NBO Ref. No.10.119 Page:452 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	2nd class Indian teak wood - 100X75mm	0.0240	Cu.M.	63279.84	1518.72	1.	Carpenter I	0.750	No.	540.38	405.29	
2.	Sundries & carriage		Lumpsum		20.00	2.	Mazdoor-Male	0.190	No.	478.85	90.98	
TOTAL (M) =Rs.					1538.72	TOTAL (L) =Rs.					496.27	

Total of (M) + (L) = (I) = ` 2034.98
 Add: Allowance for Water charges @1% of (I) = ` 67.54
 Add: Allowance for PF @13.61% of (L) = ` 23.57
 Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 91.11

*Cost of polishing: 0.800 Sq.M. 269.00 215.20 (Item No.11, Section-X)
--

Total = (I) + (II) = (III) = ` 2126.10
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 203.50
 Add:Cost of polishing: (V)=Rs. 215.20
 Grand Total = (III)+(IV)+(V) =Rs. 2544.80

This is cost for 3.05 Mtrs.

Therefore, Unit cost =
 2544.80 ÷ 3.05 =Rs. 834.36

Say Rs. 834.00 per Mtr.

Rate Analysis for 0.600 Sq.M. of Item:
Providing and fixing 25mm thick shelf supported on teak wood or brackets two coats painting etc.

Corresponding Item No. 38 of Section -XII of MbPT SOR 2014
 New Item No. 38 of Section -XII
 NBO Ref. No.10.96 Page:434 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	2nd class Indian teak wood	0.0170	Cu.M.	63279.84	1075.76	1.	Carpenter II	0.120	No.	525.00	63.00	
2.	T.W./ m.s. bracket	2.000	Nos.	35.59	71.19	2.	Mazdoor-Male	0.070	No.	478.85	33.52	
3.	Teak wood blocks		Lumpsum		20.00	3.	Mason I	0.170	No.	540.38	91.86	
4.	Sundries & carriage		Lumpsum		20.00	4.	Blacksmith II	0.170	No.	525.00	89.25	
TOTAL (M) =Rs.					1186.94	TOTAL (L) =Rs.					277.63	

Total of (M) + (L) = (I) = ` 1464.58
 Add: Allowance for Water charges @1% of (I) = ` 37.79
 Add: Allowance for PF @13.61% of (L) = ` 13.19
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 50.97
 Total of allowances = (II) = ` 50.97

*Cost of painting: 1.360 Sq.M. 167.00 227.12 (Item No.9, Section-X)
--

Total = (I) + (II) = (III) = ` 1515.55
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 146.46
 Add:Cost of painting: (V)=Rs. 227.12
 Grand Total = (III)+(IV)+(V) =Rs. 1889.13

This is cost for 0.60 Sq.M.
 Therefore, Unit cost =
 1889.13 ÷ 0.60 =Rs. 3148.55

Say Rs. 3149.00 per Sq.M.

Rate Analysis for 11.550 Sq.M. of Item:
Providing, erecting and fixing in position partly panelled and partly glazed partition with 2nd class teak wood frame work etc.

Corresponding Item No. 39 of Section -XII of MbPT SOR 2014
 New Item No. 39 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Waterproof decorative teak ply - 6mm thick	4.5400	Sq.M.	807.63	3666.64	1.	Carpenter I	0.490	No.	540.38	264.79	
2.	Teak wood beading	0.011	Cu.M.	63279.84	696.08	2.	Carpenter II	0.350	No.	525.00	183.75	
3.	Glass - 4mm thick	7.980	Sq.M.	433.900	3462.52	3.	Mazdoor-Male	0.460	No.	478.85	220.27	
4.	Sundries & carriage		Lumpsum		20.00	4.	Glass cutter	0.340	No.	498.08	169.35	
TOTAL (M) =Rs.					7845.23	TOTAL (L) =Rs.					838.15	

Total of (M) + (L) = (I) = ` 8683.39
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 114.07
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 39.81
 Total of allowances = (II) = ` 153.89

*Cost of polishing: 11.550 Sq.M. 269.00 3106.95 (Item No.11, Section-X)
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Total = (I) + (II) = (III) = ` 8837.27
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 868.34
 Add:Cost of polishing: (V)=Rs. 3106.95
 Grand Total = (III)+(IV)+(V) =Rs. 12812.56

This is cost for 11.55 Sq.M.
 Therefore, Unit cost =
 12812.56 ÷ 11.55 =Rs. 1109.31

Say Rs. 1109.00 per Sq.M.

Rate Analysis for 11.550 Sq.M. of Item:
Providing and fixing in position partition comprising of 2nd class teak wood frame work, brick on edge masonry in CM (1:4) with 12mm thick plaster etc.

Corresponding Item No. 40 of Section -XII of MbPT SOR 2014
 New Item No. 40 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brick work in CM (1:4) ½ brick thick (Item No.3, Section-VI)	4.3200	Sq.M.	714.00	3084.48	1.	Carpenter I	0.490	No.	540.38	264.79	
2.	Plaster in CM (1:3) (Item No.1a, Section-IX)	8.640	Sq.M.	304.00	2626.56	2.	Mazdoor-Male	0.460	No.	478.85	220.27	
3.	Glass panelling - 4mm thick	7.980	Sq.M.	433.90	3462.52	3.	Glass cutter	0.340	No.	498.08	169.35	
4.	Teak wood beading	0.011	Cu.M.	63279.84	696.08							
5.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					9889.64	TOTAL (L) =Rs.					654.40	

Total of (M) + (L) = (I) = ` 10544.04
 Add: Allowance for Water charges @1% of (I) = ` 89.06
 Add: Allowance for PF @13.61% of (L) = ` 31.08
 Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 120.15

*Cost of painting: 11.550 Sq.M. 218.00 2517.90
 (Avg. rate of Item No.9 & 11, Section-X)

Total = (I) + (II) = (III) = ` 10664.19
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1054.40
 Add: Cost for painting*: (V)=Rs. 2517.90
 Grand Total = (III)+(IV)+(V) =Rs. 14236.49

This is cost for 11.55 Sq.M.

Therefore, Unit cost =
 14236.49 ÷ 11.55 =Rs. 1232.60

Say Rs. 1233.00 per Sq.M.

Rate Analysis for 1.540 Sq.M. of Item:
Providing and fixing expanded metal in partition including fixing 2nd class teak wood beading 2 coats of oil paint etc.

Corresponding Item No. 41 of Section -XII of MbPT SOR 2014
 New Item No. 41 of Section -XII
 NBO Ref. No.10.101 Page:440 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Expanded metal	1.6900	Sq.M.	123.73	209.10	1.	Carpenter II	0.430	No.	525.00	225.75	
2.	Teak wood beading	0.0066	Cu.M.	63279.84	417.65	2.	Mazdoor-Male	0.250	No.	478.85	119.71	
3.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					656.75	TOTAL (L) =Rs.					345.46	

Total of (M) + (L) = (I) = ` 1002.21
 Add: Allowance for Water charges @1% of (I) = ` 47.02
 Add: Allowance for PF @13.61% of (L) = ` 16.41
 Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 63.43

*Cost of painting:	1.690	Sq.M.	170.00	287.30
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 1065.64
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 100.22
 Add:Cost of painting: (V)=Rs. 287.30

Grand Total = (III)+(IV)+(V) =Rs. 1453.16

This is cost for 1.54 Sq.M.

Therefore, Unit cost =
 $\frac{1453.16}{1.54} = \text{Rs. } 943.61$

Say Rs. 944.00 per Sq.M.

Rate Analysis for 1.540 Sq.M. of Item:
Providing and fixing steel weld mesh BRC with 2nd class teak wood beading 2 coats of oil paint etc.
Size (3"X1", 13 guage X 9 guage).

Corresponding Item No. 42 of Section -XII of MbPT SOR 2014
 New Item No. 42 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Steel weld mesh B.R.C.	1.6900	Sq.M.	133.90	226.29	1.	Carpenter II	0.430	No.	525.00	225.75	
2.	Teak wood beading	0.0066	Cu.M.	63279.84	417.65	2.	Mazdoor-Male	0.250	No.	478.85	119.71	
3.	Sundries & carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					673.94	TOTAL (L) =Rs.					345.46	

Total of (M) + (L) = (I) = ` 1019.40
 Add: Allowance for Water charges @1% of (I) = ` 47.02
 Add: Allowance for PF @13.61% of (L) = ` 16.41
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 63.43
 Total of allowances = (II) = ` 63.43

*Cost of painting:	1.690	Sq.M.	170.00	287.30
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 1082.83
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 101.94
 Add:Cost of painting: (V)=Rs. 287.30

Grand Total = (III)+(IV)+(V) =Rs. 1472.06

This is cost for 1.54 Sq.M.

Therefore, Unit cost =
 1472.06 ÷ 1.54 =Rs. 955.89

Say Rs. 956.00 per Sq.M.

Rate Analysis for 2.218 Sq.M. of Item:
Providing and fixing bamboo mats including bamboo batten frame etc.

Corresponding Item No. 43 of Section -XII of MbPT SOR 2014
 New Item No. 43 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Bamboo mats	2.2180	Sq.M.	33.05	73.31	1.	Labour charges		Lumpsum		30.00	
2.	Bamboo batten frame	6.600	Mtrs.	15.25	100.68							
3.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					193.99	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	223.99	Total = (I) + (II) =	(III)	= `	229.49
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	22.40
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	251.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	2.22	Sq.M.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				251.89	÷	2.22	=Rs. 113.57
			Say Rs. 114.00	per Sq.M.			

Rate Analysis for 18.180 Mtrs. of Item:
Non-teak bullies for trusses 3 Mtrs. and longer in posts and frame work including 3 coats of approved synthetic enamel painting etc.
(a) Bully size 100mm dia.

Corresponding Item No. 44a of Section -XII of MbPT SOR 2014
New Item No. 44a of Section -XII
NBO Ref. No.10.109b Page:446 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Non-teak bullies - 100mm di	20.00	Mtrs.	76.27	1525.43	1.	Carpenter II	0.720	No.	525.00	378.00	
2.	Nails and spikes		Lumpsum		40.00	2.	Mazdoor-Male	0.720	No.	478.85	344.77	
3.	Wood preservative		Lumpsum		120.00	3.	Bandhani	0.250	No.	498.08	124.52	
4.	Oil painting		Lumpsum		350.00							
5.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					2055.43	TOTAL (L) =Rs.					847.29	

Total of (M) + (L) =	(I)	= `	2902.72	Total = (I) + (II) =	(III)	= `	3058.28
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	290.27
Add: Allowance for PF @13.61% of (L)		= `	115.32	Grand Total (Lumpsum)		(III)+(IV)= `	3348.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	40.25	Grand Total =		(III)+(IV)+(V) =Rs.	6697.11
Total of allowances =	(II)	= `	155.56	This is cost for 18.18 Mtrs.			
				Therefore, Unit cost	=		
				6697.11 ÷ 18.18	=Rs.		368.38
				Say Rs. 368.00 per Mtr.			

Rate Analysis for 18.180 Mtrs. of Item:
Non-teak bullies for trusses 3 Mtrs. and longer in posts and frame work including 3 coats of approved synthetic enamel painting etc.
(b) Bully size 150mm dia.

Corresponding Item No. 44b of Section -XII of MbPT SOR 2014
New Item No. 44b of Section -XII
NBO Ref. No.10.109d Page:447 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Non-teak bullies - 150mm di	20.00	Mtrs.	110.17	2203.40	1.	Carpenter II	0.870	No.	525.00	456.75	
2.	Nails and spikes		Lumpsum		40.00	2.	Mazdoor-Male	0.870	No.	478.85	416.60	
3.	Wood preservative		Lumpsum		120.00	3.	Bandhani	0.250	No.	498.08	124.52	
4.	Oil painting		Lumpsum		350.00							
5.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					2733.40	TOTAL (L) =Rs.					997.87	

Total of (M) + (L) =	(I)	= `	3731.27	Total = (I) + (II) =	(III)	= `	3914.47
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	373.13
Add: Allowance for PF @13.61% of (L)		= `	135.81	Grand Total (Lumpsum)		(III)+(IV)= `	4287.60
Add: Allowance for Employee' insurance @4.75% of (L)		= `	47.40	Grand Total =		(III)+(IV)+(V) =Rs.	8575.20
Total of allowances =	(II)	= `	183.21	This is cost for 18.18 Mtrs.			
				Therefore, Unit cost	=		
				8575.20 ÷ 18.18	=Rs.		471.68
Say Rs. 472.00				per Mtr.			

Rate Analysis for 1.000 No. of Item:
Providing & fixing bright brass single acting spring hinges with necessary brass screws etc.
(a) 100 mm size hinge.

Corresponding Item No. 45a of Section -XII of MbPT SOR 2014
 New Item No. 45a of Section -XII
 NBO Ref. No.12.30 Page:538 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass single acting spring hinge - 100mm size	1.00	No.	275.42	275.42	1.	Carpenter I	0.400	No.	540.38	216.15	
2.	Brass screws - 40mm	8.000	Nos.	3.39	27.12	2.	Mazdoor-Male	0.200	No.	478.85	95.77	
3.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					322.54	TOTAL (L) =Rs.					311.92	

Total of (M) + (L) =	(I)	= `	634.47	Total = (I) + (II) =	(III)	= `	691.73
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	63.45
Add: Allowance for PF @13.61% of (L)		= `	42.45	Grand Total		= (III)+(IV)= `	755.18
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.82	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	57.27	Therefore, Unit cost		=	
				755.18	÷	1.00	=Rs. 755.18
			Say Rs. 755.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing bright brass single acting spring hinges with necessary brass screws etc.
(b) 150 mm size hinge.

Corresponding Item No. 45b of Section -XII of MbPT SOR 2014
New Item No. 45b of Section -XII
NBO Ref. No.12.1 Page:531 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass single acting spring hinge - 150mm size	1.00	No.	300.85	300.85	1.	Carpenter I	0.400	No.	540.38	216.15	
2.	Brass screws - 40mm	12.000	Nos.	3.39	40.68	2.	Mazdoor-Male	0.200	No.	478.85	95.77	
3.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					361.53	TOTAL (L) =Rs.					311.92	

Total of (M) + (L) =	(I)	= `	673.45	Total = (I) + (II) =	(III)	= `	730.72
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	67.34
Add: Allowance for PF @13.61% of (L)		= `	42.45	Grand Total		= (III)+(IV)= `	798.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.82	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	57.27	Therefore, Unit cost		=	
				798.06	÷	1.00	=Rs. 798.06
			Say Rs. 798.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing bright brass double acting spring hinges with necessary brass screws etc.
(a) 100 mm size hinge.

Corresponding Item No. 46a of Section -XII of MbPT SOR 2014
 New Item No. 46a of Section -XII
 NBO Ref. No.12.1 Page:531 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass double acting spring hinge - 100mm size	1.00	No.	266.95	266.95	1.	Carpenter I	0.400	No.	540.38	216.15	
2.	Brass screws - 40mm	8.000	Nos.	3.39	27.12	2.	Mazdoor-Male	0.200	No.	478.85	95.77	
3.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					314.07	TOTAL (L) =Rs.					311.92	

Total of (M) + (L) =	(I)	= `	625.99	Total = (I) + (II) =	(III)	= `	683.26
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	62.60
Add: Allowance for PF @13.61% of (L)		= `	42.45	Grand Total		= (III)+(IV)= `	745.86
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.82	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	57.27	Therefore, Unit cost		=	
				745.86	÷	1.00	=Rs. 745.86
			Say Rs. 746.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing bright brass double acting spring hinges with necessary brass screws etc.
(b) 150 mm size hinge.

Corresponding Item No. 46b of Section -XII of MbPT SOR 2014
 New Item No. 46b of Section -XII
 NBO Ref. No.12.1 Page:531 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass double acting spring hinge - 150mm size	1.00	No.	317.80	317.80	1.	Carpenter I	0.400	No.	540.38	216.15	
2.	Brass screws - 40mm	12.000	Nos.	3.39	40.68	2.	Mazdoor-Male	0.200	No.	478.85	95.77	
3.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					378.48	TOTAL (L) =Rs.					311.92	

Total of (M) + (L) =	(I)	= `	690.40	Total = (I) + (II) =	(III)	= `	747.67
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	69.04
Add: Allowance for PF @13.61% of (L)		= `	42.45	Grand Total	=	(III)+(IV)= `	816.71
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.82	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	57.27	Therefore, Unit cost	=		
				816.71	÷	1.00	=Rs. 816.71
			Say Rs. 817.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing night latch of "Godrej" or equivalent make etc.

Corresponding Item No. 47 of Section -XII of MbPT SOR 2014
 New Item No. 47 of Section -XII
 NBO Ref. No.12.12 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Night latch of 'Godrej' or equivalent	1.00	No.	661.02	661.02	1.	Carpenter I	0.170	No.	540.38	91.86	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					669.02	TOTAL (L) =Rs.					91.86	

Total of (M) + (L) =	(I)	= `	760.88	Total = (I) + (II) =	(III)	= `	777.75
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	76.09
Add: Allowance for PF @13.61% of (L)		= `	12.50	Grand Total	=	(III)+(IV)= `	853.84
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.36	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.87	Therefore, Unit cost	=		
				853.84	÷	1.00	=Rs. 853.84
			Say Rs. 854.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing wide angle lens, peepholes to the door shutters etc.

Corresponding Item No. 48 of Section -XII of MbPT SOR 2014
 New Item No. 48 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Peep hole wide angle lens	1.00	No.	63.56	63.56	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					71.56	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	106.56	Total = (I) + (II) =	(III)	= `	112.99
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	10.66
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total	=	(III)+(IV)= `	123.64
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost		=	
				123.64	÷	1.00	=Rs. 123.64
			Say Rs. 124.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing hydraulic door closer of approved make conforming to IS Specifications etc.

Corresponding Item No. 49 of Section -XII of MbPT SOR 2014
 New Item No. 49 of Section -XII
 NBO Ref. No.12.29 Page:538 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Hydraulic door closure (conforming to IS)	1.00	No.	542.37	542.37	1.	Carpenter I	0.500	No.	540.38	270.19	
2.	Sundries & carriage		Lumpsum		20.00	2.	Mazdoor-Male	0.200	No.	478.85	95.77	
TOTAL (M) =Rs.					562.37	TOTAL (L) =Rs.					365.96	

Total of (M) + (L) =	(I)	= `	928.33	Total = (I) + (II) =	(III)	= `	995.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	92.83
Add: Allowance for PF @13.61% of (L)		= `	49.81	Grand Total	=	(III)+(IV)= `	1088.36
Add: Allowance for Employee' insurance @4.75% of (L)		= `	17.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	67.19	Therefore, Unit cost	=		
				1088.36 ÷	1.00	=Rs.	1088.36
			Say Rs. 1088.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing 200mm long brass door letter plates of approved make etc.

Corresponding Item No. 50 of Section -XII of MbPT SOR 2014
 New Item No. 50 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door letter box plate (Brass) - 200mm long	1.00	No.	305.09	305.09	1.	Fixing charges		Lumpsum		25.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					313.09	TOTAL (L) =Rs.					25.00	

Total of (M) + (L) =	(I)	= `	338.09	Total = (I) + (II) =	(III)	= `	342.68
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	33.81
Add: Allowance for PF @13.61% of (L)		= `	3.40	Grand Total	=	(III)+(IV)= `	376.48
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.19	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	4.59	Therefore, Unit cost	=		
				376.48 ÷ 1.00	=Rs.		376.48
			Say Rs. 376.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing cloth hangers comprising of pegs etc.
(a) Oxidised iron pegs.

Corresponding Item No. 51a of Section -XII of MbPT SOR 2014
New Item No. 51a of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Iron oxidised pegs (hooks)	1.00	No.	8.47	8.47	1.	Fixing charges		Lumpsum		12.00	
2.	Sundries & carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					13.47	TOTAL (L) =Rs.					12.00	

Total of (M) + (L) =	(I)	= `	25.47	Total = (I) + (II) =	(III)	= `	27.68
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2.55
Add: Allowance for PF @13.61% of (L)		= `	1.63	Grand Total	=	(III)+(IV)= `	30.23
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.57	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.20	Therefore, Unit cost	=		
				30.23 ÷	1.00	=Rs.	30.23
			Say Rs. 30.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing cloth hangers comprising of pegs etc.
(b) Anodized aluminium pegs.

Corresponding Item No. 51b of Section -XII of MbPT SOR 2014
 New Item No. 51b of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Anodized aluminium pegs (hooks)	1.00	No.	23.73	23.73	1.	Fixing charges		Lumpsum		12.00	
2.	Sundries & carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					28.73	TOTAL (L) =Rs.					12.00	

Total of (M) + (L) =	(I)	= `	40.73	Total = (I) + (II) =	(III)	= `	42.93
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.07
Add: Allowance for PF @13.61% of (L)		= `	1.63	Grand Total	=	(III)+(IV)= `	47.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.57	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.20	Therefore, Unit cost	47.00	÷	1.00 =Rs. 47.00
Say Rs. 47.00				per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing cloth hangers comprising of pegs etc.
(c) Anodised brass pegs.

Corresponding Item No. 51c of Section -XII of MbPT SOR 2014
 New Item No. 51c of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Anodised brass pegs (hooks)	1.00	No.	27.12	27.12	1.	Fixing charges		Lumpsum		12.00	
2.	Sundries & carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					32.12	TOTAL (L) =Rs.					12.00	

Total of (M) + (L) =	(I)	= `	44.12	Total = (I) + (II) =	(III)	= `	46.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.41
Add: Allowance for PF @13.61% of (L)		= `	1.63	Grand Total	=	(III)+(IV)= `	50.73
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.57	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.20	Therefore, Unit cost	=		
				50.73	÷	1.00	=Rs. 50.73
			Say Rs. 51.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing brass metallic door stopper etc.

Corresponding Item No. 52a of Section -XII of MbPT SOR 2014
 New Item No. 52a of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass metallic door stopper	1.00	No.	100.00	100.00	1.	Fixing charges		Lumpsum		12.00	
2.	Sundries & carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					105.00	TOTAL (L) =Rs.					12.00	

Total of (M) + (L) =	(I)	= `	117.00	Total = (I) + (II) =	(III)	= `	119.20
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	11.70
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	1.63	Grand Total	=	(III)+(IV)=	130.90
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	0.57	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.20	Therefore, Unit cost	=		
				130.90	÷	1.00	=Rs. 130.90
			Say Rs. 131.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing aluminium metallic door stopper etc.

Corresponding Item No. 52b of Section -XII of MbPT SOR 2014
 New Item No. 52b of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aluminium metallic door stopper	1.00	No.	33.90	33.90	1.	Fixing charges		Lumpsum		12.00	
2.	Sundries & carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					38.90	TOTAL (L) =Rs.					12.00	

Total of (M) + (L) =	(I)	= `	50.90	Total = (I) + (II) =	(III)	= `	53.10
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.09
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	1.63	Grand Total	=	(III)+(IV)= `	58.19
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	0.57	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.20	Therefore, Unit cost	58.19	÷	1.00 =Rs. 58.19
			Say Rs. 58.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (i) Iron oxidised - 100 mm

Corresponding Item No. 53a(i) of Section -XII of MbPT SOR 2014
 New Item No. 53a(i) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook - m.s.oxidised 100 mm	1.00	No.	8.05	8.05	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					10.05	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	16.05	Total = (I) + (II) =	(III)	= `	17.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1.61
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total		= (III)+(IV)= `	18.76
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost		=	
				18.76	÷	1.00	=Rs. 18.76
			Say Rs. 19.00		per	Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (ii) Iron oxidised - 150 mm

Corresponding Item No. 53a(ii) of Section -XII of MbPT SOR 2014
 New Item No. 53a(ii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook - m.s.oxidised 150 mm	1.00	No.	10.17	10.17	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					12.17	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	18.17	Total = (I) + (II) =	(III)	= `	19.27
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1.82
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total	=	(III)+(IV)= `	21.09
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost	21.09	÷	1.00 =Rs. 21.09
			Say Rs. 21.00		per	Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (iii) Iron oxidised - 200 mm

Corresponding Item No. 53a(iii) of Section -XII of MbPT SOR 2014
 New Item No. 53a(iii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook - m.s.oxidised 200 mm	1.00	No.	12.71	12.71	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					14.71	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	20.71	Total = (I) + (II) =	(III)	= `	21.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2.07
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total	=	(III)+(IV)= `	23.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost	23.88	÷	1.00 =Rs. 23.88
			Say Rs. 24.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (iv) Brass oxidised - 100 mm

Corresponding Item No. 53a(iv) of Section -XII of MbPT SOR 2014
 New Item No. 53a(iv) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook, Brass oxidised - 100 mm	1.00	No.	23.73	23.73	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					25.73	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	31.73	Total = (I) + (II) =	(III)	= `	32.83
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3.17
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total	=	(III)+(IV)= `	36.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost	36.00	÷	1.00 =Rs. 36.00
			Say Rs. 36.00		per		Each

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (v) Brass oxidised - 150 mm

Corresponding Item No. 53a(v) of Section -XII of MbPT SOR 2014
 New Item No. 53a(v) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook, Brass oxidised - 150 mm	1.00	No.	39.83	39.83	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					41.83	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	47.83	Total = (I) + (II) =	(III)	= `	48.93
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.78
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total		= (III)+(IV)= `	53.72
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost	53.72	÷	1.00 =Rs. 53.72
			Say Rs. 54.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (vi) Brass oxidised - 200 mm

Corresponding Item No. 53a(vi) of Section -XII of MbPT SOR 2014
 New Item No. 53a(vi) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook, Brass oxidised - 200 mm	1.00	No.	50.85	50.85	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					52.85	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	58.85	Total = (I) + (II) =	(III)	= `	59.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.88
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total	=	(III)+(IV)= `	65.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost	65.83	÷	1.00 =Rs. 65.83
			Say Rs. 66.00		per		Each

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (vii) Anodised Aluminium - 100 mm

Corresponding Item No. 53a(vii) of Section -XII of MbPT SOR 2014
 New Item No. 53a(vii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook, Anodised Aluminium - 100 mm	1.00	No.	12.71	12.71	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					14.71	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	20.71	Total = (I) + (II) =	(III)	= `	21.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2.07
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total	=	(III)+(IV)= `	23.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost	23.88	÷	1.00 =Rs. 23.88
			Say Rs. 24.00		per	Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (viii) Anodised Aluminium - 150 mm

Corresponding Item No. 53a(viii) of Section -XII of MbPT SOR 2014
 New Item No. 53a(viii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook, Anodised Aluminium - 150 mm	1.00	No.	16.95	16.95	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					18.95	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	24.95	Total = (I) + (II) =	(III)	= `	26.05
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2.49
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total	=	(III)+(IV)= `	28.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost	28.55	÷	1.00 =Rs. 28.55
			Say Rs. 29.00		per	Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(a) Eye hook (ix) Anodised Aluminium - 200 mm

Corresponding Item No. 53a(ix) of Section -XII of MbPT SOR 2014
 New Item No. 53a(ix) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eye hook, Anodised Aluminium - 200 mm	1.00	No.	15.25	15.25	1.	Fixing charges		Lumpsum		6.00	
2.	Sundries & carriage		Lumpsum		2.00							
TOTAL (M) =Rs.					17.25	TOTAL (L) =Rs.					6.00	

Total of (M) + (L) =	(I)	= `	23.25	Total = (I) + (II) =	(III)	= `	24.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2.33
Add: Allowance for PF @13.61% of (L)		= `	0.82	Grand Total	=	(III)+(IV)= `	26.68
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.29	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.10	Therefore, Unit cost	26.68	÷	1.00 =Rs. 26.68
			Say Rs. 27.00			per Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(b) Handles (i) Iron oxidised - 100mm

Corresponding Item No. 53b(i) of Section -XII of MbPT SOR 2014
 New Item No. 53b(i) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Handles, Iron oxidised 100 mm	1.00	No.	8.47	8.47	1.	Fixing charges		Lumpsum		3.50	
2.	Sundries & carriage		Lumpsum		1.00							
TOTAL (M) =Rs.					9.47	TOTAL (L) =Rs.					3.50	

Total of (M) + (L) =	(I)	= `	12.97	Total = (I) + (II) =	(III)	= `	13.62
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1.30
Add: Allowance for PF @13.61% of (L)		= `	0.48	Grand Total	=	(III)+(IV)= `	14.91
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	0.64	Therefore, Unit cost	=		
				14.91	÷	1.00	=Rs. 14.91
			Say Rs. 15.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(b) Handles (ii) Iron oxidised - 150mm

Corresponding Item No. 53b(ii) of Section -XII of MbPT SOR 2014
New Item No. 53b(ii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Handles, Iron oxidised 150 mm	1.00	No.	11.86	11.86	1.	Fixing charges		Lumpsum		3.50	
2.	Sundries & carriage		Lumpsum		1.00							
TOTAL (M) =Rs.					12.86	TOTAL (L) =Rs.					3.50	

Total of (M) + (L) =	(I)	= `	16.36	Total = (I) + (II) =	(III)	= `	17.01
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1.64
Add: Allowance for PF @13.61% of (L)		= `	0.48	Grand Total		= (III)+(IV)= `	18.64
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	0.64	Therefore, Unit cost		=	
				18.64 ÷ 1.00		=Rs.	18.64
			Say Rs. 19.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(b) Handles (iii) Brass oxidised - 100 mm

Corresponding Item No. 53b(iii) of Section -XII of MbPT SOR 2014
 New Item No. 53b(iii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Handles, Brass oxidised 100 mm	1.00	No.	42.37	42.37	1.	Fixing charges		Lumpsum		3.50	
2.	Sundries & carriage		Lumpsum		1.00							
TOTAL (M) =Rs.					43.37	TOTAL (L) =Rs.					3.50	

Total of (M) + (L) =	(I)	= `	46.87	Total = (I) + (II) =	(III)	= `	47.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.69
Add: Allowance for PF @13.61% of (L)		= `	0.48	Grand Total		= (III)+(IV)= `	52.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	0.64	Therefore, Unit cost 52.20 ÷ 1.00		=Rs.	52.20
			Say Rs. 52.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(b) Handles (iv) Brass oxidised - 150 mm

Corresponding Item No. 53b(iv) of Section -XII of MbPT SOR 2014
 New Item No. 53b(iv) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Handles, Brass oxidised 150 mm	1.00	No.	44.07	44.07	1.	Fixing charges		Lumpsum		3.50	
2.	Sundries & carriage		Lumpsum		1.00							
TOTAL (M) =Rs.					45.07	TOTAL (L) =Rs.					3.50	

Total of (M) + (L) =	(I)	= `	48.57	Total = (I) + (II) =	(III)	= `	49.21
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.86
Add: Allowance for PF @13.61% of (L)		= `	0.48	Grand Total		= (III)+(IV)= `	54.07
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	0.64	Therefore, Unit cost	54.07	÷	1.00 =Rs. 54.07
			Say Rs. 54.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(b) Handles (v) Brass oxidised - 200 mm

Corresponding Item No. 53b(v) of Section -XII of MbPT SOR 2014
 New Item No. 53b(v) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Handles, Brass oxidised 200 mm	1.00	No.	50.85	50.85	1.	Fixing charges		Lumpsum		3.50	
2.	Sundries & carriage		Lumpsum		1.00							
TOTAL (M) =Rs.					51.85	TOTAL (L) =Rs.					3.50	

Total of (M) + (L) =	(I)	= `	55.35	Total = (I) + (II) =	(III)	= `	55.99
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.53
Add: Allowance for PF @13.61% of (L)		= `	0.48	Grand Total		= (III)+(IV)= `	61.52
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	0.64	Therefore, Unit cost	61.52	÷	1.00 =Rs. 61.52
			Say Rs. 62.00			per Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(b) Handles (vi) Anodised Aluminium - 100 mm

Corresponding Item No. 53b(vi) of Section -XII of MbPT SOR 2014
 New Item No. 53b(vi) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Handles, Anodised Aluminium - 100 mm	1.00	No.	12.71	12.71	1.	Fixing charges		Lumpsum		3.50	
2.	Sundries & carriage		Lumpsum		1.00							
TOTAL (M) =Rs.					13.71	TOTAL (L) =Rs.					3.50	

Total of (M) + (L) =	(I)	= `	17.21	Total = (I) + (II) =	(III)	= `	17.85
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1.72
Add: Allowance for PF @13.61% of (L)		= `	0.48	Grand Total	=	(III)+(IV)= `	19.58
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	0.64	Therefore, Unit cost	19.58	÷	1.00 =Rs. 19.58
			Say Rs. 20.00		per	Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(b) Handles (vii) Anodised Aluminium - 150 mm

Corresponding Item No. 53b(vii) of Section -XII of MbPT SOR 2014
 New Item No. 53b(vii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Handles, Anodised Aluminium - 150 mm	1.00	No.	25.42	25.42	1.	Fixing charges		Lumpsum		3.50	
2.	Sundries & carriage		Lumpsum		1.00							
TOTAL (M) =Rs.					26.42	TOTAL (L) =Rs.					3.50	

Total of (M) + (L) =	(I)	= `	29.92	Total = (I) + (II) =	(III)	= `	30.57
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2.99
Add: Allowance for PF @13.61% of (L)		= `	0.48	Grand Total	=	(III)+(IV)= `	33.56
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	0.64	Therefore, Unit cost	=		
				33.56 ÷	1.00	=Rs.	33.56
			Say Rs. 34.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(b) Handles (viii) Anodised Aluminium - 200 mm

Corresponding Item No. 53b(viii) of Section -XII of MbPT SOR 2014
 New Item No. 53b(viii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Handles, Anodised Aluminium - 200 mm	1.00	No.	29.66	29.66	1.	Fixing charges		Lumpsum		3.50	
2.	Sundries & carriage		Lumpsum		1.00							
TOTAL (M) =Rs.					30.66	TOTAL (L) =Rs.					3.50	

Total of (M) + (L) =	(I)	= `	34.16	Total = (I) + (II) =	(III)	= `	34.80
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3.42
Add: Allowance for PF @13.61% of (L)		= `	0.48	Grand Total	=	(III)+(IV)= `	38.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	0.64	Therefore, Unit cost	38.22	÷	1.00 =Rs. 38.22
			Say Rs. 38.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(c) Aldrops (i) Iron oxidised - 200mm

Corresponding Item No. 53c(i) of Section -XII of MbPT SOR 2014
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Iron oxidised 200 mm	1.00	No.	55.08	55.08	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					63.08	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	98.08	Total = (I) + (II) =	(III)	= `	104.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	9.81
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total		= (III)+(IV)= `	114.32
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost		=	
				114.32 ÷	1.00	=Rs.	114.32
			Say Rs. 114.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(c) Aldrops (ii) Iron oxidised - 250mm

Corresponding Item No. 53c(ii) of Section -XII of MbPT SOR 2014
 New Item No. 53c(ii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Iron oxidised 250 mm	1.00	No.	69.49	69.49	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					77.49	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	112.49	Total = (I) + (II) =	(III)	= `	118.92
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	11.25
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total	=	(III)+(IV)= `	130.17
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost	=		
				130.17 ÷	1.00	=Rs.	130.17
			Say Rs. 130.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(c) Aldrops (iii) Iron oxidised - 300mm

Corresponding Item No. 53c(iii) of Section -XII of MbPT SOR 2014
New Item No. 53c(iii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Iron oxidised 300 mm	1.00	No.	76.27	76.27	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					84.27	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	119.27	Total = (I) + (II) =	(III)	= `	125.70
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	11.93
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total		= (III)+(IV)= `	137.62
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost		=	
				137.62 ÷	1.00	=Rs.	137.62
			Say Rs. 138.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(c) Aldrops (iv) Brass oxidised - 200mm

Corresponding Item No. 53c(iv) of Section -XII of MbPT SOR 2014
 New Item No. 53c(iv) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Brass oxidised 200 mm	1.00	No.	317.80	317.80	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					325.80	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	360.80	Total = (I) + (II) =	(III)	= `	367.22
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	36.08
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total	=	(III)+(IV)= `	403.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost		=	
			Say Rs. 403.00	403.30 ÷	1.00	=Rs.	403.30
				per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(c) Aldrops (v) Brass oxidised - 250mm

Corresponding Item No. 53c(v) of Section -XII of MbPT SOR 2014
 New Item No. 53c(v) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Brass oxidised 250 mm	1.00	No.	444.92	444.92	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					452.92	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	487.92	Total = (I) + (II) =	(III)	= `	494.34
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	48.79
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total		= (III)+(IV)= `	543.13
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost	543.13	÷	1.00 =Rs. 543.13
			Say Rs. 543.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(c) Aldrops (vi) Brass oxidised - 300mm

Corresponding Item No. 53c(vi) of Section -XII of MbPT SOR 2014
New Item No. 53c(vi) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Brass oxidised 300 mm	1.00	No.	576.27	576.27	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					584.27	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	619.27	Total = (I) + (II) =	(III)	= `	625.70
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	61.93
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total		= (III)+(IV)= `	687.63
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost	687.63	÷	1.00 =Rs. 687.63
			Say Rs. 688.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(c) Aldrops (vii) Brass oxidised - 350mm

Corresponding Item No. 53c(vii) of Section -XII of MbPT SOR 2014
 New Item No. 53c(vii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Brass oxidised 350 mm	1.00	No.	796.61	796.61	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					804.61	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	839.61	Total = (I) + (II) =	(III)	= `	846.04
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	83.96
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total		= (III)+(IV)= `	930.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost		=	
				930.00	÷	1.00	=Rs. 930.00
			Say Rs. 930.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(c) Aldrops (viii) Anodised Aluminium - 200mm

Corresponding Item No. 53c(viii) of Section -XII of MbPT SOR 2014
 New Item No. 53c(viii) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Anodised Aluminium - 200 mm	1.00	No.	72.03	72.03	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					80.03	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	115.03	Total = (I) + (II) =	(III)	= `	121.46
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	11.50
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total		= (III)+(IV)= `	132.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost		=	
				132.96 ÷	1.00	=Rs.	132.96
			Say Rs. 133.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(c) Aldrops (ix) Anodised Aluminium - 250mm

Corresponding Item No. 53c(ix) of Section -XII of MbPT SOR 2014
 New Item No. 53c(ix) of Section -XII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Anodised Aluminium - 250 mm	1.00	No.	101.70	101.70	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					109.70	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	144.70	Total = (I) + (II) =	(III)	= `	151.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	14.47
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total		= (III)+(IV)= `	165.59
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost		=	
				165.59	÷	1.00	=Rs. 165.59
			Say Rs. 166.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(c) Aldrops (x) Anodised Aluminium - 300mm

Corresponding Item No. 53c(x) of Section -XII of MbPT SOR 2014
 New Item No. 53c(x) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aldrops, Anodised Aluminium - 300 mm	1.00	No.	152.54	152.54	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					160.54	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	195.54	Total = (I) + (II) =	(III)	= `	201.97
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	19.55
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total		= (III)+(IV)= `	221.52
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost	221.52	÷	1.00 =Rs. 221.52
			Say Rs. 222.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (i) Iron oxidised - 100mm

Corresponding Item No. 53d(i) of Section -XII of MbPT SOR 2014
 New Item No. 53d(i) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Iron oxidised - 100 mm	1.00	No.	8.47	8.47	1.	Fixing charges		Lumpsum		10.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					16.47	TOTAL (L) =Rs.					10.00	

Total of (M) + (L) =	(I)	= `	26.47	Total = (I) + (II) =	(III)	= `	28.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2.65
Add: Allowance for PF @13.61% of (L)		= `	1.36	Grand Total	=	(III)+(IV)= `	30.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.48	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.84	Therefore, Unit cost	30.96	÷	1.00 =Rs. 30.96
			Say Rs. 31.00			per Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (ii) Iron oxidised - 150mm

Corresponding Item No. 53d(ii) of Section -XII of MbPT SOR 2014
 New Item No. 53d(ii) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Iron oxidised - 150 mm	1.00	No.	13.56	13.56	1.	Fixing charges		Lumpsum		10.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					21.56	TOTAL (L) =Rs.					10.00	

Total of (M) + (L) =	(I)	= `	31.56	Total = (I) + (II) =	(III)	= `	33.40
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3.16
Add: Allowance for PF @13.61% of (L)		= `	1.36	Grand Total	=	(III)+(IV)= `	36.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.48	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.84	Therefore, Unit cost	36.55	÷	1.00 =Rs. 36.55
			Say Rs. 37.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (iii) Iron oxidised - 200mm

Corresponding Item No. 53d(iii) of Section -XII of MbPT SOR 2014
 New Item No. 53d(iii) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Iron oxidised - 200 mm	1.00	No.	25.42	25.42	1.	Fixing charges		Lumpsum		15.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					33.42	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	48.42	Total = (I) + (II) =	(III)	= `	51.18
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.84
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total	=	(III)+(IV)= `	56.02
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost	56.02	÷	1.00 =Rs. 56.02
			Say Rs. 56.00		per	Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (iv) Brass oxidised - 100mm

Corresponding Item No. 53d(iv) of Section -XII of MbPT SOR 2014
 New Item No. 53d(iv) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Brass oxidised - 100 mm	1.00	No.	57.63	57.63	1.	Fixing charges		Lumpsum		15.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					65.63	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	80.63	Total = (I) + (II) =	(III)	= `	83.38
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	8.06
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total	=	(III)+(IV)= `	91.44
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost	=		
				91.44 ÷	1.00	=Rs.	91.44
			Say Rs. 91.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (v) Brass oxidised - 150mm

Corresponding Item No. 53d(v) of Section -XII of MbPT SOR 2014
 New Item No. 53d(v) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Brass oxidised - 150 mm	1.00	No.	101.70	101.70	1.	Fixing charges		Lumpsum		15.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					109.70	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	124.70	Total = (I) + (II) =	(III)	= `	127.45
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	12.47
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total	=	(III)+(IV)= `	139.92
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost		=	
				139.92	÷	1.00	=Rs. 139.92
			Say Rs. 140.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (vi) Brass oxidised - 200mm

Corresponding Item No. 53d(vi) of Section -XII of MbPT SOR 2014
 New Item No. 53d(vi) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Brass oxidised - 200 mm	1.00	No.	120.34	120.34	1.	Fixing charges		Lumpsum		15.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					128.34	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	143.34	Total = (I) + (II) =	(III)	= `	146.09
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	14.33
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total		= (III)+(IV)= `	160.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost		=	
				160.43 ÷ 1.00		=Rs.	160.43
			Say Rs. 160.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (vii) Anodised Aluminium - 100mm

Corresponding Item No. 53d(vii) of Section -XII of MbPT SOR 2014
 New Item No. 53d(vii) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Anodised Aluminium - 100 mm	1.00	No.	18.64	18.64	1.	Fixing charges		Lumpsum		15.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					26.64	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	41.64	Total = (I) + (II) =	(III)	= `	44.40
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.16
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total		= (III)+(IV)= `	48.56
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost		=	
				48.56 ÷ 1.00		=Rs.	48.56
			Say Rs. 49.00			per Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (viii) Anodised Aluminium - 150mm

Corresponding Item No. 53d(viii) of Section -XII of MbPT SOR 2014
 New Item No. 53d(viii) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Anodised Aluminium - 150 mm	1.00	No.	22.88	22.88	1.	Fixing charges		Lumpsum		15.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					30.88	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	45.88	Total = (I) + (II) =	(III)	= `	48.64
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.59
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total		= (III)+(IV)= `	53.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost	53.22	÷	1.00 =Rs. 53.22
			Say Rs. 53.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(d) Tower bolts (ix) Anodised Aluminium - 200mm

Corresponding Item No. 53d(ix) of Section -XII of MbPT SOR 2014
 New Item No. 53d(ix) of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Tower bolts, Anodised Aluminium - 200 mm	1.00	No.	27.12	27.12	1.	Fixing charges		Lumpsum		15.00	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					35.12	TOTAL (L) =Rs.					15.00	

Total of (M) + (L) =	(I)	= `	50.12	Total = (I) + (II) =	(III)	= `	52.87
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.01
Add: Allowance for PF @13.61% of (L)		= `	2.04	Grand Total		= (III)+(IV)= `	57.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.75	Therefore, Unit cost	57.88	÷	1.00 =Rs. 57.88
			Say Rs. 58.00			per Each	

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(e) Door Latches (i) Iron oxidised - 200mm

Corresponding Item No. 53e(i) of Section -XII of MbPT SOR 2014
 New Item No. 53e(i) of Section -XII
 NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Iron oxidised - 200 mm	1.00	No.	30.51	30.51	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					38.51	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	103.35	Total = (I) + (II) =	(III)	= `	115.26
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	10.34
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total		= (III)+(IV)= `	125.60
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost		=	
				125.60	÷	1.00	=Rs. 125.60
			Say Rs. 126.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(e) Door Latches (ii) Iron oxidised - 250mm

Corresponding Item No. 53e(ii) of Section -XII of MbPT SOR 2014
 New Item No. 53e(ii) of Section -XII
 NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Iron oxidised - 250 mm	1.00	No.	38.14	38.14	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					46.14	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	110.98	Total = (I) + (II) =	(III)	= `	122.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	11.10
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total		= (III)+(IV)= `	133.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost		=	
				133.99	÷	1.00	=Rs. 133.99
			Say Rs. 134.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(e) Door Latches (iii) Iron oxidised - 300mm

Corresponding Item No. 53e(iii) of Section -XII of MbPT SOR 2014
New Item No. 53e(iii) of Section -XII
NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Iron oxidised - 300 mm	1.00	No.	46.61	46.61	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					54.61	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	119.46	Total = (I) + (II) =	(III)	= `	131.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	11.95
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total		= (III)+(IV)= `	143.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost		=	
				143.31	÷	1.00	=Rs. 143.31
			Say Rs. 143.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(e) Door Latches (iv) Brass oxidised - 200mm

Corresponding Item No. 53e(iv) of Section -XII of MbPT SOR 2014
New Item No. 53e(iv) of Section -XII
NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Brass oxidised - 200 mm	1.00	No.	93.22	93.22	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					101.22	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	166.07	Total = (I) + (II) =	(III)	= `	177.97
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	16.61
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total		= (III)+(IV)= `	194.58
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost		=	
				194.58	÷	1.00	=Rs. 194.58
			Say Rs. 195.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(e) Door Latches (v) Brass oxidised - 250mm

Corresponding Item No. 53e(v) of Section -XII of MbPT SOR 2014
New Item No. 53e(v) of Section -XII
NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Brass oxidised - 250 mm	1.00	No.	110.17	110.17	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					118.17	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	183.02	Total = (I) + (II) =	(III)	= `	194.92
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	18.30
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total		= (III)+(IV)= `	213.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost	213.22	÷	1.00 =Rs. 213.22
			Say Rs. 213.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(e) Door Latches (vi) Brass oxidised - 300mm

Corresponding Item No. 53e(vi) of Section -XII of MbPT SOR 2014
New Item No. 53e(vi) of Section -XII
NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Brass oxidised - 300 mm	1.00	No.	177.97	177.97	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					185.97	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	250.81	Total = (I) + (II) =	(III)	= `	262.72
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	25.08
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total		= (III)+(IV)= `	287.80
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost		=	
				287.80	÷	1.00	=Rs. 287.80
			Say Rs. 288.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(e) Door Latches (vii) Anodised Aluminium - 200mm

Corresponding Item No. 53e(vii) of Section -XII of MbPT SOR 2014
 New Item No. 53e(vii) of Section -XII
 NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Anodised Aluminium - 200 mm	1.00	No.	46.61	46.61	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					54.61	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	119.46	Total = (I) + (II) =	(III)	= `	131.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	11.95
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total	=	(III)+(IV)= `	143.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost	=		
				143.31	÷	1.00	=Rs. 143.31
			Say Rs. 143.00		per Each		

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.

(e) Door Latches (viii) Anodised Aluminium - 250mm

Corresponding Item No. 53e(viii) of Section -XII of MbPT SOR 2014
 New Item No. 53e(viii) of Section -XII
 NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Anodised Aluminium - 250 mm	1.00	No.	63.56	63.56	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					71.56	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	136.41	Total = (I) + (II) =	(III)	= `	148.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	13.64
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total		= (III)+(IV)= `	161.95
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost		=	
				161.95 ÷	1.00	=Rs.	161.95
			Say Rs. 162.00	per Each			

Rate Analysis for 1.000 No. of Item:
Providing & fixing the following fixtures and hardware to the wood work including required screws and other fastenings etc.
(e) Door Latches (ix) Anodised Aluminium - 300mm

Corresponding Item No. 53e(ix) of Section -XII of MbPT SOR 2014
 New Item No. 53e(ix) of Section -XII
 NBO Ref. No.12.11 Page:533 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Door latch, Anodised Aluminium - 300 mm	1.00	No.	67.80	67.80	1.	Carpenter I	0.120	No.	540.38	64.85	
2.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					75.80	TOTAL (L) =Rs.					64.85	

Total of (M) + (L) =	(I)	= `	140.64	Total = (I) + (II) =	(III)	= `	152.55
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	14.06
Add: Allowance for PF @13.61% of (L)		= `	8.83	Grand Total		= (III)+(IV)= `	166.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.08	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.91	Therefore, Unit cost		=	
				166.61 ÷	1.00	=Rs.	166.61
			Say Rs. 167.00	per Each			

Rate Analysis for 3.000 Nos. of Item:
Removing existing weather shade of window brackets and GI/ aluminium sheet and re-fixing the same after plastering, drilling holes, nailing, fixing the old sheet with 'J' bolts including cement vata etc.

Corresponding Item No. 54 of Section -XII of MbPT SOR 2014
 New Item No. 54 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Nails, 'J' bolts etc.		Lumpsum		120.00	1.	Fitter II	1.000	No.	525.00	525.00	
2.	Sundries & carriage		Lumpsum		8.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Cement vata		Lumpsum		12.00							
TOTAL (M) =Rs.					140.00	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	1143.85	Total = (I) + (II) =	(III)	= `	1328.16
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	114.39
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	136.62	Grand Total		= (III)+(IV)= `	1442.54
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for 3.00 Nos.			
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost		=	
				1442.54 ÷ 3.00		=Rs.	480.85
			Say Rs. 481.00	per Each			

Rate Analysis for 10.000 Nos. of Item:
Fixing existing weather shade with required fastening including scaffolding/ hanging platform etc.

Corresponding Item No. 55 of Section -XII of MbPT SOR 2014
 New Item No. 55 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Plant and tools		Lumpsum		30.00	1.	Fitter I	1.000	No.	540.38	540.38	
2.	Screws, bolts		Lumpsum		48.00	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Scaffolding		Lumpsum		48.00							
4.	Sundries & carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					134.00	TOTAL (L) =Rs.					1498.08	

Total of (M) + (L) =	(I)	= `	1632.08	Total = (I) + (II) =	(III)	= `	1907.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	163.21
Add: Allowance for PF @13.61% of (L)		= `	203.89	Grand Total	=	(III)+(IV)= `	2070.34
Add: Allowance for Employee' insurance @4.75% of (L)		= `	71.16	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	275.05	Therefore, Unit cost	=		
				2070.34 ÷ 10.00	=Rs.		207.03
			Say Rs. 207.00	per Each			

Rate Analysis for 0.400 Sq.M. of Item:
Providing and fixing teak wood window shutter with 2nd class teak wood rails and styles 38mm thick in single pieces and partly 30 mm thick wooden panelled & partly louvered with 12mm thick louvers in single piece etc.
 Consider window size 0.40 x 1Mtr.

Corresponding Item No. 56 of Section -XII of MbPT SOR 2014
 New Item No. 56 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	2nd class teak wood	0.013425	Cu.M.	63279.84	849.53		Same as per Item No.6 above					
2.	Oxidised iron hinges	2.000	Nos.	25.42	50.85		For	2.160	Sq.M.	=	2209.73	
3.	Oxidised iron handle	1.000	No.	8.47	8.47		For	0.400	Sq.M.	=	409.21	
4.	Oxidised iron tower bolt	2.000	Nos.	8.47	16.95							
5.	Screws - 40mm	16.000	Nos.	0.72	11.53							
6.	Screws - 25mm	14.000	Nos.	0.64	8.90							
7.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					966.23	TOTAL (L) =Rs.					409.21	

Total of (M) + (L) = (I) = ` 1375.44
 Add: Allowance for Water charges @1% of (I) = ` 55.69
 Add: Allowance for PF @13.61% of (L) = ` 19.44
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 75.13
 Total of allowances = (II) = ` 75.13

Quantity of window shutter:
 Style & rails: 2X1.00X0.075X0.038 = 0.0057 Cu.M.
 2X0.275X0.60X0.02 = 0.0066 Cu.M.
 Panels: 4X0.075X0.125X0.03 = 0.0011 Cu.M.
 Total = 0.013425 Cu.M.

Total = (I) + (II) = (III) = ` 1450.57
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 137.54
 Grand Total = (III)+(IV)= ` 1588.11

This is cost for 0.400 Sq.M.
 Therefore, Unit cost =
 1588.11 ÷ 0.400 =Rs. 3970.28

Say Rs. 3,970.00 per Sq.M.

Rate Analysis for 1.000 Sq.M. of Item:
Providing and fixing teak wood with 38 mm thick styles and rails etc.

Corresponding Item No. 57 of Section -XII of MbPT SOR 2014
 New Item No. 57 of Section -XII
 NBO Ref. No. . Page: Vol:

Consider door size: 0.63X1.90 Mtrs. = 1.197 Sq.M.

Quantity of wood with 30mm thick styles & rails:

2X1.90X0.1X0.03 = 0.01140 Cu.M.
 5X0.60X0.1X0.03 = 0.00900 Cu.M.
 1X0.60X0.175X0.03 = 0.00315 Cu.M.
 5X0.50X0.25X0.02 = 0.01250 Cu.M.
 Total = 0.03605 Cu.M.

Quantity of wood with 38mm thick styles & rails:

2X1.90X0.1X0.038 = 0.0144 Cu.M.
 5X0.60X0.1X0.038 = 0.0114 Cu.M.
 1X0.60X0.175X0.038 = 0.0040 Cu.M.
 5X0.50X0.25X0.02 = 0.0125 Cu.M.
 Total = 0.0423 Cu.M.

+10% wastage = 0.046563 Cu.M.

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Cost of door with 30mm thick styles & rails (Item No.6 above)	1.1970	Sq.M.	3321.00	3975.24							
	Since volume =	0.03605	Cu.M.									
	Rate per Cu.M. =	3975.24	÷	0.03605	110270.10							
2.	Cost of door with 38mm thick styles & rails	0.046563	Cu.M.	110270.10	5134.51							
	Since area = 1.197 Sq.M.											
	Rate per Sq.M. =	5134.51	÷	1.197	4289.48							
TOTAL (M) =Rs.					4289.48	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 4289.48 Total = (I) + (II) = (III) = ` 4289.48

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 428.95

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 4718.43

Add: Allowance for Employee' insurance @4.75% of (L) = ` This is cost for 1.000 Sq.M.
 Therefore, Unit cost = 4718.43 ÷ 1.000 =Rs. 4718.43

Total of allowances = (II) = `

Say Rs. 4,718.00 per Sq.M.

Rate Analysis for 1.350 Sq.M. of Item:
Providing and fixing door shutter of anodised aluminum section using hardner panel 4mm thick etc.

Corresponding Item No. 58 of Section -XII of MbPT SOR 2014
 New Item No. 58 of Section -XII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aluminium frame for four sides	6.000	Mtrs.	122.03	732.21	1.	Carpenter I	0.500	No.	540.38	270.19	
2.	Aluminum frame for middle portion	1.000	Mtr.	160.17	160.17	2.	Carpenter III	0.500	No.	498.08	249.04	
3.	Hardner panel	1.670	Sq.M.	459.32	767.07							
4.	Rubber gasket	7.500	Mtrs.	8.47	63.56							
5.	Aluminium handle 6" long	1.000	No.	23.73	23.73							
6.	Stanless steel hinges	3.000	Nos.	33.90	101.70							
7.	Aluminium tower bolt 6" long	1.000	No.	76.27	76.27							
8.	6mm Channel for fixing rubber gasket	11.500	Mtrs.	21.19	243.64							
9.	Screws, etc.		Lumpsum		20.00							
10.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					2208.35	TOTAL (L) =Rs.					519.23	

Total of (M) + (L) = (I) = ` 2727.58

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 70.67

Add: Allowance for Employee' insurance @4.75% of (L) = ` 24.66

Total of allowances = (II) = ` 95.33

Say Rs. 2,293.00 per Sq.M.

Total = (I) + (II) = (III) = ` 2822.91

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 272.76

Grand Total = (III)+(IV)= ` 3095.66

This is cost for 1.350 Sq.M.

Therefore, Unit cost = 3095.66 ÷ 1.350 =Rs. 2293.08

Rate Analysis for 12.00 Sq.M. of Item:
Providing and applying 3 coats of fire retardent coating of Sunnoflame or equivalent etc.

Corresponding Item No. 59 of Section -XII of MbPT SOR 2014
 New Item No. 59 of Section -XII
 NBO Ref. No. . Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunnoflame	10.000	Kgs.	288.14	2881.36	1.	Painter I	1.000	No.	540.38	540.38	
2.	Carriage		Lumpsum		80.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2981.36	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) = (I) = ` 4000.59
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 138.72
Add: Allowance for Employee' insurance @4.75% of (L) = ` 48.41
 Total of allowances = (II) = ` 187.13

1 Kg. Sunnoflame covers 1.2 Sq.Mtrs. in 3 coats

Total = (I) + (II) = (III) = ` 4187.72
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 400.06
 Grand Total = (III)+(IV)= ` 4587.78

This is cost for 12.0 Sq.M.

Therefore, Unit cost =
 4587.78 ÷ 12.0 =Rs. 382.32

Say Rs. 382.00 per Sq.M.

XIII - AC & GI Roofing and cladding

Sr. No.	Item Description	Rate in `	Unit
1	Providing, fabricating and fixing in position 2nd class Indian teak wood in purlins, rafters, barge boards, battens, eaves boards etc. in roof including 2 coats of approved synthetic enamel paint over a primer coat, scaffolding etc. complete in all respects as directed.	225,315.00	Cu.M.
2	Providing and laying mangalore tiles in the roof including painting the same with red ochre, making cement vatas wherever required complete as directed.	602.00	Sq.M.
3	Providing and fixing ridges and hips in mangalore type roof including setting in cement mortar (1:3), painting with red ochre, making cement vatas wherever required etc. complete as directed.	10,088.00	100 Nos.
4	Removing decayed wooden members from the roof, dismembering them and stacking on ground within a lead of 100 Mtrs. complete as directed.		
	(a) less than 40 Sq.Cm. cross sectional area of wooden member	2,700.00	Cu.M.
	(b) more than 40 Sq.Cm. cross sectional area of wooden member	2,100.00	Cu.M.
5	Removing carefully mangalore tiles, ridges and hips from the roof, stacking the serviceable materials properly on ground within a lead of 100 Mtrs., transporting the unserviceable materials to anywhere outside MbPT estate including sorting and cleaning of the materials complete as directed.	170.00	Sq.M.
6	Laying mangalore tiles including hoisting from the ground, painting with red ochre and providing cement vata wherever required complete as directed.	245.00	Sq.M.
7	Laying ridges and hips in mangalore type roof including hoisting from the ground, setting in cement mortar (1:3), painting in red ochre and providing cement vata wherever required complete as directed.	2,527.00	100 Nos.

XIII - AC & GI Roofing and cladding

Sr. No.	Item Description	Rate in `	Unit
8	Supplying and fixing asbestos cement corrugated sheets in roof with necessary fixtures and fastenings such as 8 mm dia. GI 'J' or 'L' hook bolts & nuts, bitumen and GI washers, cutting the sheets to required sizes, waterproofing the joints between the sheets and masonry/ concrete with cement concrete vatas and bituminous compound, applying 3 coats of white wash in lime to the underside of the sheets complete as directed (covered area of sheeting as fixed in position will be measured. No extra payment on account of laps shall be allowed. Rate shall include all fixtures and fastenings).	426.00	Sq.M.
9	-- do -- do -- semi corrugated sheets -- do -- do -- as in Item No.8 above.	418.00	Sq.M.
10	Supplying and fixing asbestos cement closed fitting adjustable ridges (in pairs) to suit the roof sheets complete with all necessary fixtures and fastenings such as 8 mm dia. GI 'J' or 'L' hook bolts and nuts, bitumen and GI washers, cutting to the required sizes, waterproofing the joints between ridges and masonry/ concrete with cement concrete vata and bituminous compound, applying 3 coats of white wash in lime to the underside of ridges etc. complete as directed (covered length of ridges as fixed in position will be measured. No extra on account of laps will be allowed. Rate shall include all fastenings and fixtures).	531.00	Mtr.
11	-- do -- do -- serrated adjustable ridges (in pairs) -- do -- do -- as in Item No.10 above.	316.00	Mtr.
12	-- do -- do -- unserrated adjustable ridges (in pairs) -- do -- do -- as in Item No.10 above.	340.00	Mtr.
13	-- do -- do -- northlight two piece adjustable ridges (in pairs) -- do -- do -- as in Item No.10 above.	719.00	Mtr.
14	Supplying and fixing asbestos cement one piece plain angular ridges to suit the roof sheets complete with all necessary fixtures and fastenings -- do -- do -- as in Item No.10 above.	349.00	Mtr.

XIII - AC & GI Roofing and cladding

Sr. No.	Item Description	Rate in `	Unit
15	Providing and fixing asbestos cement air extractors of Radial exhaust type 762 mm (30") dia. of 'Ramco' or of similar approved make on the roof with necessary fixtures & fastenings as per manufacturer's specifications including making the joints waterproof complete as directed.	9,241.00	Each
16	Providing and fixing asbestos cement cowl type ventilators of 'Everest Industries Ltd.' or of similar approved make on the roof as per manufacturer's specifications with all necessary fixtures & fastenings such as 8 mm dia. GI 'J' or 'L' hook bolts, nuts, bolts and GI washers including making the joints waterproof with waterproofing bituminous compound etc. complete as per drawing & as directed.	258.00	Each
17	-- do -- do -- roof lights (without glass) -- do -- do -- as in Item No.16 above.	1,109.00	Each
18	-- do -- do -- ridge finials -- do -- do -- as in Item No.16 above.	66.00	Each
19	-- do -- do -- apron flashing pieces -- do -- -- do -- as in Item No.16 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	234.00	Mtr.
20	-- do -- do -- eaves filler pieces -- do -- -- do -- as in Item No.16 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	178.00	Mtr.
21	-- do -- do -- Northlight and ventilator curves -- do -- do -- as in Item No.16 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	373.00	Mtr.
22	-- do -- do -- 'S' type louvers -- do -- do -- as in Item No.16 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	285.00	Mtr.
23	-- do -- do -- barge boards -- do -- do -- as in Item No.16 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	220.00	Mtr.

XIII - AC & GI Roofing and cladding

Sr. No.	Item Description	Rate in `	Unit
24	Providing and fixing 150 mm nominal size socketed half round gutters with bolts, nuts, bitumen washers etc., accessories such as drop ends, stop ends etc., flat iron brackets 40X3 mm at 1 Mtr. centre to centre including asbestos roofing compound in joints etc. complete as directed (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	497.00	Mtr.
25	-- do -- do -- 225 mm nominal size -- do -- -- do -- as in Item No.24 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	684.00	Mtr.
26	-- do -- do -- 300 mm nominal size -- do -- -- do -- as in Item No.24 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	707.00	Mtr.
27	Providing and fixing 400X125X250 mm nominal size AC valley gutters -- do -- do -- as in Item No.24 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	1,072.00	Mtr.
28	-- do -- do -- 450X125X150 mm nominal size -- do -- do -- as in Item No.24 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	999.00	Mtr.
29	-- do -- do -- 600X150X225 mm nominal size -- do -- do -- as in Item No.24 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	1,195.00	Mtr.
30	-- do -- do -- 900X200X225 mm nominal size -- do -- do -- as in Item No.24 above (covered length as fixed in position will be measured. No extra on account of laps will be allowed).	1,345.00	Mtr.
31	Providing and fixing 3 mm thick translucent corrugated fibre glass reinforced polyester sheeting to match with AC sheeting including fixing in sloping roof with 8 mm dia. GI 'J' or 'L' hook bolts, GI square nuts, 25 mm dia. X 1.59 mm thick flat washers, 25 mm dia. X 3.18 mm thick	845.00	Sq.M.

XIII - AC & GI Roofing and cladding

Sr. No.	Item Description	Rate in `	Unit
	bitumen washers, necessary lapping etc. complete as directed (Covered area of sheeting as fixed in position will be measured. Rates shall include all fixtures and fastenings. Laps shall not be deducted).		
32	Re-fixing the existing GI plain sheets after making them straight, with new 'J' hook bolts, nuts, washers etc. as directed complete.	64.00	Sq.M.
33	Providing and fixing pre-painted Al-zinc alloy coated (Galvalum) steel sheets of average 0.5 mm thick including ridges trapizoidal profile as approved in roofing, ridges and cladding manufactured by M/s.Bhushan steel/ M/s.JSW steel/ M/s.Essar steel or equivalent as approved by Engineer In-charge with all necessary fixtures and fastenings inclusive of scaffolding etc. complete as directed. Note: Ridges shall be measured and paid in Sq.M.	1,119.00	Sq.M.

Rate Analysis for 0.042 Cu.M. of Item:
Providing, fabricating and fixing in position, 2nd class teak wood in purlins, rafters, barge boards, battens, eaves boards etc.

Corresponding Item No. 1 of Section -XIII of MbPT SOR 2014
 New Item No. 1 of Section -XIII
 NBO Ref. No.10.4b Page:302 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Cost of wood work (Item 1, Section-XII)	0.042	Cu.M.	137776.75	5786.62	1.	Carpenter I	0.050	No.	540.38	27.02	
2.	Cost of painting (Item 2, Section-XII)	0.042	Cu.M.	10417.38	437.53	2.	Carpenter II	0.050	No.	525.00	26.25	
3.	Sundries, carriage	0.044	Cu.M.	100.00	8.00	3.	Mason II	0.120	No.	525.00	63.00	
						4.	Mazdoor-Male	4.000	No.	478.85	1915.40	
TOTAL (M) =Rs.					6232.15	TOTAL (L) =Rs.					2031.67	

Total of (M) + (L) = (I) = ` 8263.82

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 373.01

Say Rs. 225,315.00 per Cu.M.

Total = (I) + (II) = (III) = ` 8636.84

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 9463.22

This is cost for 0.04 Cu.M.

Therefore, Unit cost = 9463.22 ÷ 0.04 =Rs. 225314.74

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying mangalore tiles in the roof including painting the same with red ochre, making cement vatas etc.

Corresponding Item No. 2 of Section -XIII of MbPT SOR 2014
 New Item No. 2 of Section -XIII
 NBO Ref. No.15.51 Page:698 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Mangalore tiles	160.00	Nos.	17.97	2874.58	1.	Mason II	0.500	No.	525.00	262.50	
2.	Red ochre paint	5.00	Kgs.	37.29	186.44	2.	Mazdoor-Male	0.600	No.	478.85	287.31	
3.	Cement vata	0.45	Sq.M.	1134.00	510.30	3.	Mazdoor-Female	2.200	No.	478.85	1053.47	
4.	Sundries, carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3601.33	TOTAL (L) =Rs.					1603.28	

Total of (M) + (L) = (I) = ` 5204.61

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 294.36

Say Rs.

Total = (I) + (II) = (III) = ` 5498.97

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 6019.43

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 6019.43 ÷ 10.00 =Rs. 601.94

602.00 per Sq.M.

Rate Analysis for 100.00 Nos. of Item:
Providing and fixing ridges and hips in mangalore type roof including setting in cement mortar (1:3) painting with red ochre, making cement vatas etc.

Corresponding Item No. 3 of Section -XIII of MbPT SOR 2014
 New Item No. 3 of Section -XIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Mangalore tiles ridges including 10% wastage	110.00	Nos.	53.90	5928.83	1.	Mason II	1.420	No.	525.00	745.50	
2.	Red ochre paint	8.00	Kgs.	37.29	298.31	2.	Mazdoor-Male	2.500	No.	478.85	1197.13	
3.	Cement mortar (1:3)	0.096	Cu.M.	6734.00	646.46							
4.	Sundries, carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					6903.60	TOTAL (L) =Rs.					1942.63	

Total of (M) + (L) = (I) = ` 8846.23

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 356.67

Say Rs. 10,088.00 per 100 Nos.

Total = (I) + (II) = (III) = ` 9202.89

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 10087.51

This is cost for 100.0 Nos.

Rate Analysis for 0.035 Cu.M. of Item:
Removing decayed wooden members from the roof etc.
(a) Less than 40Sq.Cm. cross sectional area of wooden member etc.

Corresponding Item No. 4a of Section -XIII of MbPT SOR 2014

New Item No. 4a of Section -XIII

NBO Ref. No.20.35(ii) Page: Vol:

Considering average cross sectional area = 35 Sq.Cm.

Volume for 1 Cm. Length = 0.035 Cu.M.

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Carpenter II	0.050	No.	525.00	26.25	
						2.	Mazdoor-Male	0.090	No.	478.85	43.10	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					69.35	

Total of (M) + (L) = (I) = ` 74.35 Total = (I) + (II) = (III) = ` 87.08

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 7.43

Add: Allowance for PF @13.61% of (L) = ` 9.44 Grand Total = (III)+(IV)= ` 94.51

Add: Allowance for Employee' insurance @4.75% of (L) = ` 3.29 This is cost for 0.035 Cu.M.
Therefore, Unit cost = 94.51 ÷ 0.035 =Rs. 2700.38

Total of allowances = (II) = ` 12.73
Say Rs. 2,700.00 per Cu.M.

Rate Analysis for 1.000 Cu.M. of Item:
Removing decayed wooden members from the roof etc.
(b) More than 40Sq.Cm. cross sectional area of wooden member etc.

Corresponding Item No. 4b of Section -XIII of MbPT SOR 2014
 New Item No. 4b of Section -XIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Carpenter II	1.170	No.	525.00	614.25	
						2.	Mazdoor-Male	2.120	No.	478.85	1015.16	
TOTAL (M) =Rs.					8.00	TOTAL (L) =Rs.					1629.41	

Total of (M) + (L) =	(I)	= `	1637.41	Total = (I) + (II) =	(III)	= `	1936.57
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	163.74
Add: Allowance for PF @13.61% of (L)		= `	221.76	Grand Total	=	(III)+(IV)= `	2100.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `	77.40	This is cost for	1.000	Cu.M.	
Total of allowances =	(II)	= `	299.16	Therefore, Unit cost	2100.31	÷	1.000 =Rs. 2100.31
			Say Rs. 2,100.00	per Cu.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Removing carefully mangalore tiles ridges and hips from the roof stacking the serviceable materials within 100 Mtrs. and transporting the unserviceable materials to disposable yard at Wadala etc.

Corresponding Item No. 5 of Section -XIII of MbPT SOR 2014
 New Item No. 5 of Section -XIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Cost of transportation of debris	0.20	Cu.M.	614.51	122.90	1.	Mate	0.250	No.	478.85	119.71	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	1.780	No.	478.85	852.35	
						3.	Mazdoor-Female	0.500	No.	478.85	239.43	
TOTAL (M) =Rs.					130.90	TOTAL (L) =Rs.					1211.49	

Total of (M) + (L) =	(I)	= `	1342.39	Total = (I) + (II) =	(III)	= `	1564.82
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	134.24
Add: Allowance for PF @13.61% of (L)		= `	164.88	Grand Total	=	(III)+(IV)= `	1699.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	57.55	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	222.43	Therefore, Unit cost	1699.06	÷	10.00 =Rs. 169.91
			Say Rs. 170.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Laying mangalore tiles including painting with red ochre and providing cement vata etc.

Corresponding Item No. 6 of Section -XIII of MbPT SOR 2014
 New Item No. 6 of Section -XIII
 NBO Ref. No.15.51 Page:698 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Painting with red ochre	5.00	Kgs.	37.29	186.44	1.	Mason II	0.500	No.	525.00	262.50	
2.	Cement vata		Lumpsum		150.00	2.	Mazdoor-Male	0.600	No.	478.85	287.31	
3.	Sundries, carriage		Lumpsum		20.00	3.	Mazdoor-Female	2.200	No.	478.85	1053.47	
TOTAL (M) =Rs.					356.44	TOTAL (L) =Rs.					1603.28	

Total of (M) + (L) =	(I)	= `	1959.72	Total = (I) + (II) =	(III)	= `	2254.08
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	195.97
Add: Allowance for PF @13.61% of (L)		= `	218.21	Grand Total	=	(III)+(IV)= `	2450.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	76.16	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	294.36	Therefore, Unit cost	2450.06	÷	10.00 =Rs. 245.01
			Say Rs. 245.00		per	Sq.M.	

Rate Analysis for 100.00 Nos. of Item:
Laying ridges and hips in mangalore type roof including hoisting from the ground painting in orche and providing cement vata etc.

Corresponding Item No. 7 of Section -XIII of MbPT SOR 2014
 New Item No. 7 of Section -XIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries, carriage		Lumpsum		30.00	1.	Mason II	1.420	No.	525.00	745.50	
						2.	Mazdoor-Male	2.500	No.	478.85	1197.13	
TOTAL (M) =Rs.					30.00	TOTAL (L) =Rs.					1942.63	

Total of (M) + (L) =	(I)	= `	1972.63	Total = (I) + (II) =	(III)	= `	2329.29
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	197.26
Add: Allowance for PF @13.61% of (L)		= `	264.39	Grand Total	=	(III)+(IV)= `	2526.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	92.27	This is cost for	100.0	Nos.	
Total of allowances =	(II)	= `	356.67				
			Say Rs. 2,527.00	per 100 Nos.			

1.00

Rate Analysis for 216.14 Sq.M. of Item:
Supplying and fixing asbestos cement corrugated sheets in roof with necessary fixtures and fastenings etc.

Corresponding Item No. 8 of Section -XIII of MbPT SOR 2014
 New Item No. 8 of Section -XIII
 NBO Ref. No.15.20a(ii) Page:667 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC Sheet - 6mm	231.00	Sq.M.	200.00	46200.13	1.	Maistry	2.160	No.	540.38	1167.22	
2.	GI 'J'/ 'L' hooks with nuts and bolts - 8mm dia.	476.00	Nos.	15.25	7261.04	2.	Carpenter II	17.280	No.	525.00	9072.00	
3.	GI washers	476.00	Nos.	1.69	806.78	3.	Mazdoor-Male	17.280	No.	478.85	8274.53	
4.	Bitumen washers	476.00	Nos.	1.69	806.78							
5.	Whitewash to under-side of sheet - 3 coats (Item 1a+1b, Section-X)	216.14	Sq.M.	28.00	6051.92							
6.	Sundries, carriage		Lumpsum		900.00							
TOTAL (M) =Rs.					62026.65	TOTAL (L) =Rs.					18513.75	

Total of (M) + (L) = (I) = ` 80540.40

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 3399.12

Say Rs.

Total = (I) + (II) = (III) = ` 83939.52

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 91993.56

This is cost for 216.14 Sq.M.

Therefore, Unit cost = 91993.56 ÷ 216.14 =Rs. 425.62

per Sq.M.

426.00

Rate Analysis for 216.14 Sq.M. of Item:
Supplying and fixing asbestos cement semi corrugated sheets in roof with necessary fixtures and fastenings etc.

Corresponding Item No. 9 of Section -XIII of MbPT SOR 2014
 New Item No. 9 of Section -XIII
 NBO Ref. No.15.20b(ii) Page:668 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC Sheet - semi corrugate	231.00	Sq.M.	193.22	44634.02	1.	Maistry	2.160	No.	540.38	1167.22	
2.	GI 'J'/ 'L' hooks with nuts and bolts - 8mm dia.	476.00	Nos.	15.25	7261.04	2.	Carpenter II	17.280	No.	525.00	9072.00	
3.	GI washers	476.00	Nos.	1.69	806.78	3.	Mazdoor-Male	17.280	No.	478.85	8274.53	
4.	Bitumen washers	476.00	Nos.	1.69	806.78							
5.	Whitewash to under-side of sheet - 3 coats (Item 1a+1b, Section-X)	216.14	Sq.M.	28.00	6051.92							
6.	Sundries, carriage		Lumpsum		900.00							
TOTAL (M) =Rs.					60460.54	TOTAL (L) =Rs.					18513.75	

Total of (M) + (L) = (I) = ` 78974.29

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(I) = ` 78974.29

= `

= ` 2519.72

= ` 879.40

= ` 3399.12

Say Rs.

Total = (I) + (II) = (III) = ` 82373.42

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 90270.85

This is cost for 216.14 Sq.M.

Therefore, Unit cost = 90270.85 ÷ 216.14 =Rs. 417.65

per Sq.M.

418.00

Rate Analysis for 20.20 Mtrs. of Item:
Suppling and fixing closed fitting AC adjustable ridges (in pairs) etc.

Corresponding Item No. 10 of Section -XIII of MbPT SOR 2014
 New Item No. 10 of Section -XIII
 NBO Ref. No.15.25(c) Page:672 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ridge pairs	22.00	Pairs	378.31	8322.77	1.	Maistry	0.140	No.	540.38	75.65	
2.	Sundries, carriage		Lumpsum		90.00	2.	Carpenter II	0.550	No.	525.00	288.75	
						3.	Mazdoor-Male	1.640	No.	478.85	785.31	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8412.77						1149.72	

Total of (M) + (L) =	(I)	= `	9562.49	Total = (I) + (II) =	(III)	= `	9773.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	956.25
Add: Allowance for PF @13.61% of (L)		= `	156.48	Grand Total	=	(III)+(IV)= `	10729.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	54.61	This is cost for	20.20	Mtrs.	
Total of allowances =	(II)	= `	211.09	Therefore, Unit cost		=	
				10729.83	÷	20.20	=Rs. 531.18
			Say Rs. 531.00	per Mtr.			

Rate Analysis for 20.20 Mtrs. of Item:
Suppling and fixing asbestos cement closed fitting serrated adjustable ridges (in pairs) etc.

Corresponding Item No. 11 of Section -XIII of MbPT SOR 2014
 New Item No. 11 of Section -XIII
 NBO Ref. No.15.25b Page:672 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC Serrated adjustable ridges	19.00	Pairs	211.87	4025.44	1.	Maistry	0.140	No.	540.38	75.65	
2.	Whitewash to under-side of sheet - 3 coats (Item 1a+1b, Section-X)	13.29	Sq.M.	28.00	372.12	2.	Carpenter II	0.550	No.	525.00	288.75	
3.	Sundries, carriage		Lumpsum		60.00	3.	Mazdoor-Male	1.640	No.	478.85	785.31	
TOTAL (M) =Rs.					4457.56	TOTAL (L) =Rs.					1149.72	

Total of (M) + (L) =	(I)	= `	5607.27	Total = (I) + (II) =	(III)	= `	5818.36
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	560.73
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	156.48	Grand Total	=	(III)+(IV)= `	6379.09
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	54.61	This is cost for	20.20	Mtrs.	
Total of allowances =	(II)	= `	211.09	Therefore, Unit cost	=		
				6379.09	÷	20.20	=Rs. 315.80
			Say Rs. 316.00			per Mtr.	

Rate Analysis for 20.20 Mtrs. of Item:
Suppling and fixing asbestos cement closed fitting unserrated adjustable ridges (in pairs) etc.

Corresponding Item No. 12 of Section -XIII of MbPT SOR 2014
 New Item No. 12 of Section -XIII
 NBO Ref. No.15.25e Page:673 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC Unserrated adjustable ridges	19.00	Pairs	233.05	4427.98	1.	Maistry	0.140	No.	540.38	75.65	
2.	Whitewash to under-side of sheet - 3 coats (Item 1a+1b, Section-X)	13.29	Sq.M.	28.00	372.12	2.	Carpenter II	0.550	No.	525.00	288.75	
3.	Sundries, carriage		Lumpsum		100.00	3.	Mazdoor-Male	1.640	No.	478.85	785.31	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					4900.10						1149.72	

Total of (M) + (L) =	(I)	= `	6049.82	Total = (I) + (II) =	(III)	= `	6260.90
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	604.98
Add: Allowance for PF @13.61% of (L)		= `	156.48	Grand Total	=	(III)+(IV)= `	6865.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `	54.61	This is cost for	20.20	Mtrs.	
Total of allowances =	(II)	= `	211.09	Therefore, Unit cost	=		
				6865.89	÷	20.20	=Rs. 339.90
			Say Rs. 340.00			per Mtr.	

Rate Analysis for 20.20 Mtrs. of Item:
Supplying and fixing AC north light two piece adjustable ridges (in pairs) etc.

Corresponding Item No. 13 of Section -XIII of MbPT SOR 2014
 New Item No. 13 of Section -XIII
 NBO Ref. No.15.25d Page:673 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC North light two pieces adjustable ridges	19.00	Pairs	594.35	11292.59	1.	Maistry	0.140	No.	540.38	75.65	
2.	Whitewash to under-side of sheet - 3 coats (Item 1a+1b, Section-X)	13.29	Sq.M.	28.00	372.12	2.	Carpenter II	0.550	No.	525.00	288.75	
3.	Sundries, carriage		Lumpsum		200.00	3.	Mazdoor-Male	1.640	No.	478.85	785.31	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					11864.71						1149.72	

Total of (M) + (L) = (I) = ` 13014.42

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(I) = ` 13014.42

= `

= ` 156.48

= ` 54.61

(II) = ` 211.09

Say Rs.

Total = (I) + (II) =

Add: Contractor's over-heads & profit @10% of (I)

Grand Total

This is cost for 20.20 Mtrs.

Therefore, Unit cost

14526.95

÷

20.20

=Rs.

719.16

(III) = ` 13225.51

(IV) = ` 1301.44

(III)+(IV)= ` 14526.95

per Mtr.

719.00

Rate Analysis for 20.20 Mtrs. of Item:
Supplying and fixing plain AC angular ridges etc.

Corresponding Item No. 14 of Section -XIII of MbPT SOR 2014
 New Item No. 14 of Section -XIII
 NBO Ref. No.15.25(a) Page:673 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Plain AC angular ridges	19.00	Nos.	243.22	4621.20	1.	Maistry	0.140	No.	540.38	75.65	
2.	Whitewash to under-side of sheet - 3 coats (Item 1a+1b, Section-X)	13.29	Sq.M.	28.00	372.12	2.	Carpenter II	0.550	No.	525.00	288.75	
3.	Sundries, carriage		Lumpsum		80.00	3.	Mazdoor-Male	1.640	No.	478.85	785.31	
TOTAL (M) =Rs.					5073.32	TOTAL (L) =Rs.					1149.72	

Total of (M) + (L) = (I) = ` 6223.04

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 156.48

Add: Allowance for Employee' insurance @4.75% of (L) = ` 54.61

Total of allowances = (II) = ` 211.09

Say Rs.

Total = (I) + (II) = (III) = ` 6434.12

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 622.30

Grand Total = (III)+(IV)= ` 7056.43

This is cost for 20.20 Mtrs.

Therefore, Unit cost = 7056.43 ÷ 20.20 =Rs. 349.33

per Mtr.

349.00

Rate Analysis for 1.00 No. of Item:
Providing and fixing AC air extractors of radial exhaust etc.

Corresponding Item No. 15 of Section -XIII of MbPT SOR 2014
 New Item No. 15 of Section -XIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC Air extractor(roof)	1.00	Nos.	8295.89	8295.89	1.	Hoisting and		Lumpsum		82.96	
2.	Sundries, carriage		Lumpsum		8.00		fixing with 6mm dia. and 25mm long bolts and nuts, bituminous washers, etc. (1% of Material cost)					
TOTAL (M) =Rs.					8303.89	TOTAL (L) =Rs.					82.96	

Total of (M) + (L) = (I) = ` 8386.85

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 11.29

Add: Allowance for Employee' insurance @4.75% of (L) = ` 3.94

Total of allowances = (II) = ` 15.23

Say Rs. 9,241.00 per Each

Total = (I) + (II) = (III) = ` 8402.08

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 838.68

Grand Total = (III)+(IV)= ` 9240.76

This is cost for 1.00 No.

Therefore, Unit cost = 9240.76 ÷ 1.00 =Rs. 9240.76

Rate Analysis for 1.00 No. of Item:
Providing and fixing AC cowl type ventilators etc.

Corresponding Item No. 16 of Section -XIII of MbPT SOR 2014
 New Item No. 16 of Section -XIII
 NBO Ref. No.15.27(vii) Page:675 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC cowl type ventilator	1.00	Nos.	223.72	223.72	1.	Fixing charges		Lumpsum		5.00	
2.	Sundries, carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					228.72	TOTAL (L) =Rs.					5.00	

Total of (M) + (L) =	(I)	= `	233.72	Total = (I) + (II) =	(III)	= `	234.64
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	23.37
Add: Allowance for PF @13.61% of (L)		= `	0.68	Grand Total	=	(III)+(IV)= `	258.01
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.24	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	0.92	Therefore, Unit cost	258.01	÷	1.00 =Rs. 258.01
			Say Rs. 258.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing AC roof lights (without glass) etc.

Corresponding Item No. 17 of Section -XIII of MbPT SOR 2014
 New Item No. 17 of Section -XIII
 NBO Ref. No.15.27(ix) Page:676 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC roof light	1.00	Nos.	964.01	964.01	1.	Hoisting and		Lumpsum		30.00	
2.	Sundries, carriage		Lumpsum		9.00		fixing charges					
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					973.01						30.00	

Total of (M) + (L) =	(I)	= `	1003.01	Total = (I) + (II) =	(III)	= `	1008.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	100.30
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	1108.82
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				1108.82	÷	1.00	=Rs. 1108.82
			Say Rs. 1,109.00	per Each			

Rate Analysis for 2.00 Nos. (1 Pair) of Item:
Providing & fixing AC ridge finials etc.

Corresponding Item No. 18 of Section -XIII of MbPT SOR 2014
 New Item No. 18 of Section -XIII
 NBO Ref. No.15.27(vi) Page:675 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC ridge finials	1.00	Pair	109.46	109.46	1.	Hoisting and		Lumpsum		6.57	
2.	Sundries, carriage		Lumpsum		2.00		fixing charges including p&f seam bolts and nuts with GI & bitumen washers (6% of Material cost)					
TOTAL (M) =Rs.					111.46	TOTAL (L) =Rs.					6.57	

Total of (M) + (L) = (I) = ` 118.03

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 0.89

Add: Allowance for Employee' insurance @4.75% of (L) = ` 0.31

Total of allowances = (II) = ` 1.21

Say Rs.

Total = (I) + (II) = (III) = ` 119.23

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 11.80

Grand Total = (III)+(IV)= ` 131.04

This is cost for 2.00 Nos.

Therefore, Unit cost = 131.04 ÷ 2.00 =Rs. 65.52

per Each

66.00

Rate Analysis for 20.20 Mtrs. of Item:
Providing and fixing apron flashing pieces etc.

Corresponding Item No. 19 of Section -XIII of MbPT SOR 2014
 New Item No. 19 of Section -XIII
 NBO Ref. No.15.27(i) Page:673 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Apron flashing pieces	20.00	Nos.	178.59	3571.84	1.	Maistry	0.070	No.	540.38	37.83	
2.	Sundries, carriage		Lumpsum		50.00	2.	Carpenter II	0.280	No.	525.00	147.00	
						3.	Mazdoor-Male	0.820	No.	478.85	392.66	
TOTAL (M) =Rs.					3621.84	TOTAL (L) =Rs.					577.48	

Total of (M) + (L) =	(I)	= `	4199.32	Total = (I) + (II) =	(III)	= `	4305.35
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	419.93
Add: Allowance for PF @13.61% of (L)		= `	78.60	Grand Total	=	(III)+(IV)= `	4725.28
Add: Allowance for Employee' insurance @4.75% of (L)		= `	27.43	This is cost for 20.20 Mtrs.			
Total of allowances =	(II)	= `	106.03	Therefore, Unit cost	=		
				4725.28 ÷ 20.20	=Rs.		233.92
			Say Rs. 234.00	per Mtr.			

Rate Analysis for 20.20 Mtrs. of Item:
Providing and fixing eaves filler pieces etc.

Corresponding Item No. 20 of Section -XIII of MbPT SOR 2014
 New Item No. 20 of Section -XIII
 NBO Ref. No.15.27(ii) Page:674 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Eaves filler pieces	20.00	Nos.	126.74	2534.85	1.	Maistry	0.070	No.	540.38	37.83	
2.	Sundries, carriage		Lumpsum		50.00	2.	Carpenter II	0.280	No.	525.00	147.00	
						3.	Mazdoor-Male	0.820	No.	478.85	392.66	
						4.	Hoisting and fixing charges		Lumpsum		10.00	
TOTAL (M) =Rs.					2584.85	TOTAL (L) =Rs.					587.48	

Total of (M) + (L) =	(I)	= `	3172.34	Total = (I) + (II) =	(III)	= `	3280.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	317.23
Add: Allowance for PF @13.61% of (L)		= `	79.96	Grand Total	=	(III)+(IV)= `	3597.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	27.91	This is cost for	20.20	Mtrs.	
Total of allowances =	(II)	= `	107.86	Therefore, Unit cost		=	
				3597.43	÷	20.20	=Rs. 178.09
			Say Rs. 178.00	per Mtr.			

Rate Analysis for 20.20 Mtrs. of Item:
Providing and fixing north light and ventilator curve etc.

Corresponding Item No. 21 of Section -XIII of MbPT SOR 2014
 New Item No. 21 of Section -XIII
 NBO Ref. No.15.27(iii) Page:674 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	North light ventilator curves	20.00	Nos.	264.05	5280.95	1.	Maistry	0.100	No.	540.38	54.04	
2.	GI 'J'/ 'L' hooks with nuts and bolts - 8mm dia.	40.00	Nos.	15.25	610.17	2.	Carpenter II	0.300	No.	525.00	157.50	
3.	GI washers	40.00	Nos.	1.69	67.80	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Whitewash to under-side of sheet - 3 coats		Lumpsum		30.00							
5.	Sundries, carriage		Lumpsum		50.00							
TOTAL (M) =Rs.					6038.91	TOTAL (L) =Rs.					690.39	

Total of (M) + (L) = (I) = ` 6729.30

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(I) = ` 6729.30
 = ` 6729.30
 = ` 93.96
 = ` 32.79
 (II) = ` 126.76
Say Rs. 373.00

Total = (I) + (II) = (III) = ` 6856.06

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 7528.99

This is cost for 20.20 Mtrs.

Therefore, Unit cost =
 7528.99 ÷ 20.20 =Rs. 372.72

per Mtr.

Rate Analysis for 8.74 Mtrs. of Item:
Providing and fixing 'S' type louvers (covered length as fixed in position will be measured) etc.

Corresponding Item No. 22 of Section -XIII of MbPT SOR 2014
 New Item No. 22 of Section -XIII
 NBO Ref. No.15.27(xii) Page:677 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	'S' type louvers	5.00	Nos.	130.58	652.92	1.	Beldar	1.000	No.	478.85	478.85	
2.	GI bolts 10mm dia. both s	6.00	Nos.	12.71	76.27	2.	Carpenter I	1.000	No.	540.38	540.38	
	threaded with GI nuts 27cm long					3.	Blacksmith I	0.120	No.	540.38	64.85	
3.	GI bolts 16mm dia. 7cm ld	6.00	Nos.	23.73	142.37							
	with nuts											
4.	GI washers	36.00	Nos.	1.69	61.02							
5.	Bitumen washers	18.00	Nos.	1.69	30.51							
6.	Whitewash to under-		Lumpsum		30.00							
	side of sheet - 3 coats											
7.	Sundries, carriage		Lumpsum		10.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					1003.09						1084.08	

Total of (M) + (L) = (I) = ` 2087.16

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 199.04

Say Rs. 285.00 per Mtr.

Total = (I) + (II) = (III) = ` 2286.20

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 2494.92

This is cost for 8.74 Mtrs.

Therefore, Unit cost = 2494.92 ÷ 8.74 =Rs. 285.46

Rate Analysis for 8.23 Mtrs. of Item:
Providing and fixing barge board etc.

Corresponding Item No. 23 of Section -XIII of MbPT SOR 2014
 New Item No. 23 of Section -XIII
 NBO Ref. No.15.27(iv) Page:674 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Barge board					1.	Maistry	0.040	No.	540.38	21.62	
	a) Length - 2.44 Mtrs.	2.00	Nos.	366.79	733.57	2.	Carpenter II	0.060	No.	525.00	31.50	
	b) Length - 1.83 Mtrs.	2.00	Nos.	275.57	551.14	3.	Mazdoor-Male	0.400	No.	478.85	191.54	
2.	Seam bolts, nuts	5.00	Nos.	5.76	28.81							
	6mm dia. 25 mm long											
3.	GI washers for seam bolts	10.00	Nos.	1.69	16.95							
4.	Bitumen washers	5.00	Nos.	1.69	8.47							
5.	Sundries, carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					1358.94	TOTAL (L) =Rs.					244.66	

Total of (M) + (L) = (I) = ` 1603.59

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 33.30

Add: Allowance for Employee' insurance @4.75% of (L) = ` 11.62

Total of allowances = (II) = ` 44.92

Say Rs.

Total = (I) + (II) = (III) = ` 1648.51

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 160.36

Grand Total = (III)+(IV)= ` 1808.87

This is cost for 8.23 Mtrs.

Therefore, Unit cost = 1808.87 ÷ 8.23 =Rs. 219.79

per Mtr.

220.00

Rate Analysis for 20.00 Mtrs. of Item:
Providing and fixing 150mm nominal size socketed half round gutters with bolts, nuts, bitumen washers etc.

Corresponding Item No. 24 of Section -XIII of MbPT SOR 2014
 New Item No. 24 of Section -XIII
 NBO Ref. No.15.29 Page:678 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC socketed half round eaves gutter-150mm	10.00	Nos.	453.20	4532.01	1.	Maistry	0.150	No.	540.38	81.06	
2.	m.s. bracket	10.00	Nos.	124.82	1248.22	2.	Carpenter I	1.330	No.	540.38	718.71	
3.	Bolts, nuts - 8mm dia.	33.00	Nos.	15.25	503.39	3.	Mazdoor-Male	2.000	No.	478.85	957.70	
4.	GI washers	66.00	Nos.	1.69	111.86							
5.	Bitumen washers	66.00	Nos.	1.69	111.86							
6.	Plastic compound-11X170g	1.87	Kgs.	111.86	209.19							
7.	AC rope - 11X0.57=6.27M	6.27	Mtrs.	32.65	204.69							
8.	Sundries, carriage		Lumpsum		60.00							
TOTAL (M) =Rs.					6981.23	TOTAL (L) =Rs.					1757.46	

Total of (M) + (L) = (I) = ` 8738.70

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 322.67

Say Rs.

Total = (I) + (II) = (III) = ` 9061.37

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 9935.24

This is cost for 20.00 Mtrs.

Therefore, Unit cost = 9935.24 ÷ 20.00 =Rs. 496.76

per Mtr.

497.00

Rate Analysis for 18.30 Mtrs. of Item:
Providing and fixing 225mm size socketed half round gutters with bolts, nuts, bitumen washers etc.

Corresponding Item No. 25 of Section -XIII of MbPT SOR 2014
 New Item No. 25 of Section -XIII
 NBO Ref. No.15.29(ii) Page:678 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC socketed half round eaves gutter-225mm	10.00	Nos.	624.11	6241.12	1.	Maistry	0.150	No.	540.38	81.06	
2.	m.s. bracket	10.00	Nos.	124.82	1248.22	2.	Carpenter I	1.330	No.	540.38	718.71	
3.	Bolts, nuts - 8mm dia.	33.00	Nos.	15.25	503.39	3.	Mazdoor-Male	2.000	No.	478.85	957.70	
4.	GI washers	66.00	Nos.	1.69	111.86							
5.	Bitumen washers	66.00	Nos.	1.69	111.86							
6.	Plastic compound-11X567g	6.237	Kgs.	111.86	697.70							
7.	AC rope - 11X0.92	10.12	Mtrs.	32.65	330.38							
8.	Sundries, carriage		Lumpsum		80.00							
TOTAL (M) =Rs.					9324.54	TOTAL (L) =Rs.					1757.46	

Total of (M) + (L) = (I) = ` 11082.00

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 239.19

Add: Allowance for Employee' insurance @4.75% of (L) = ` 83.48

Total of allowances = (II) = ` 322.67

Say Rs.

Total = (I) + (II) = (III) = ` 11404.67

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1108.20

Grand Total = (III)+(IV)= ` 12512.87

This is cost for 18.30 Mtrs.

Therefore, Unit cost = 12512.87 ÷ 18.30 =Rs. 683.76

per Mtr.

684.00

Rate Analysis for 20.00 Mtrs. of Item:
Providing and fixing 300mm size socketed half round gutters with bolts, nuts, bitumen washers etc.

Corresponding Item No. 26 of Section -XIII of MbPT SOR 2014
 New Item No. 26 of Section -XIII
 NBO Ref. No.15.29(iii) Page:679 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC socketed half round eaves gutter-300mm	10.00	Nos.	748.93	7489.34	1.	Maistry	0.150	No.	540.38	81.06	
2.	m.s. bracket	10.00	Nos.	124.82	1248.22	2.	Carpenter I	1.330	No.	540.38	718.71	
3.	Bolts, nuts - 8mm dia.	33.00	Nos.	15.25	503.39	3.	Mazdoor-Male	2.000	No.	478.85	957.70	
4.	GI washers	66.00	Nos.	1.69	111.86							
5.	Bitumen washers	66.00	Nos.	1.69	111.86							
6.	Plastic compound-11X700g	7.80	Kgs.	111.86	872.54							
7.	AC rope - 11X1.07	11.77	Mtrs.	32.65	384.24							
8.	Sundries, carriage		Lumpsum		80.00							
TOTAL (M) =Rs.					10801.47	TOTAL (L) =Rs.					1757.46	

Total of (M) + (L) = (I) = ` 12558.94

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 322.67
Say Rs. 707.00

Total = (I) + (II) = (III) = ` 12881.61

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1255.89

Grand Total = (III)+(IV)= ` 14137.50

This is cost for 20.00 Mtrs.

Therefore, Unit cost = 14137.50 ÷ 20.00 =Rs. 706.88

per Mtr.

Rate Analysis for 20.00 Mtrs. of Item:
Providing and fixing 400x125x250mm size AC valley gutters etc.

Corresponding Item No. 27 of Section -XIII of MbPT SOR 2014
 New Item No. 27 of Section -XIII
 NBO Ref. No.15.31(i) Page:680&681 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC plain ended valley gutter - 400x125x250mm	10.00	Nos.	1094.60	10945.96	1.	Maistry	0.150	No.	540.38	81.06	
2.	m.s. bracket	19.00	Nos.	124.82	2371.63	2.	Carpenter I	2.330	No.	540.38	1259.09	
3.	Bolts, nuts - 8mm dia.	88.00	Nos.	15.25	1342.38	3.	Beldar	2.000	No.	478.85	957.70	
4.	GI washers	176.00	Nos.	1.69	298.31							
5.	Bitumen washers	176.00	Nos.	1.69	298.31							
6.	Plastic compound-11X850g	9.35	Kgs.	111.86	1045.94							
7.	AC rope - 11X1.12	12.32	Mtrs.	32.65	402.20							
8.	Sundries, carriage		Lumpsum		100.00							
TOTAL (M) =Rs.					16804.71	TOTAL (L) =Rs.					2297.84	

Total of (M) + (L) = (I) = ` 19102.55

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 421.88

Say Rs. 1,072.00 per Mtr.

Total = (I) + (II) = (III) = ` 19524.43

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 21434.69

This is cost for 20.00 Mtrs.

Therefore, Unit cost = 21434.69 ÷ 20.00 =Rs. 1071.73

Rate Analysis for 20.00 Mtrs. of Item:
Providing and fixing 450x125x150mm size AC valley gutter etc.

Corresponding Item No. 28 of Section -XIII of MbPT SOR 2014
 New Item No. 28 of Section -XIII
 NBO Ref. No.15.31(ii) Page:681 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC plain ended valley gutter - 450x125x150mm	10.00	Nos.	960.17	9601.72	1.	Maistry	0.150	No.	540.38	81.06	
2.	m.s. bracket	19.00	Nos.	124.82	2371.63	2.	Carpenter I	2.330	No.	540.38	1259.09	
3.	Bolts, nuts - 8mm dia.	88.00	Nos.	15.25	1342.38	3.	Beldar	2.000	No.	478.85	957.70	
4.	GI washers	176.00	Nos.	1.69	298.31							
5.	Bitumen washers	176.00	Nos.	1.69	298.31							
6.	Plastic compound-11X850g	9.35	Kgs.	111.86	1045.94							
7.	AC rope - 11X1.12	12.32	Mtrs.	32.65	402.20							
8.	Sundries, carriage		Lumpsum		120.00							
TOTAL (M) =Rs.					15480.47	TOTAL (L) =Rs.					2297.84	

Total of (M) + (L) =	(I)	= `	17778.31	Total = (I) + (II) =	(III)	= `	18200.19
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1777.83
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	312.74	Grand Total		=	(III)+(IV)= ` 19978.02
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	109.15	This is cost for	20.00	Mtrs.	
Total of allowances =	(II)	= `	421.88	Therefore, Unit cost	19978.02	÷	20.00 =Rs. 998.90
			Say Rs. 999.00			per Mtr.	

Rate Analysis for 20.00 Mtrs. of Item:
Providing and fixing 600x150x225mm size AC valley gutter etc.

Corresponding Item No. 29 of Section -XIII of MbPT SOR 2014
 New Item No. 29 of Section -XIII
 NBO Ref. No.15.31(iii) Page:681 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC plain ended valley gutter - 600x150x225mm	10.00	Nos.	1273.19	12731.88	1.	Maistry	0.150	No.	540.38	81.06	
2.	m.s. bracket	19.00	Nos.	124.82	2371.63	2.	Carpenter I	2.330	No.	540.38	1259.09	
3.	Bolts, nuts - 8mm dia.	88.00	Nos.	15.25	1342.38	3.	Beldar	2.000	No.	478.85	957.70	
4.	GI washers	176.00	Nos.	1.69	298.31							
5.	Bitumen washers	176.00	Nos.	1.69	298.31							
6.	Plastic compound-11X1105	12.155	Kgs.	111.86	1359.72							
7.	AC rope - 11X1.48	16.28	Mtrs.	32.65	531.47							
8.	Sundries, carriage		Lumpsum		120.00							
TOTAL (M) =Rs.					19053.69	TOTAL (L) =Rs.					2297.84	

Total of (M) + (L) = (I) = ` 21351.53

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 421.88

Say Rs.

1,195.00

per Mtr.

Total = (I) + (II) = (III) = ` 21773.41

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 23908.57

This is cost for 20.00 Mtrs.

Therefore, Unit cost = 23908.57 ÷ 20.00 =Rs. 1195.43

Rate Analysis for 20.00 Mtrs. of Item:
Providing and fixing 900X200X225 nominal size AC valley gutters etc.

Corresponding Item No. 30 of Section -XIII of MbPT SOR 2014
 New Item No. 30 of Section -XIII
 NBO Ref. No.15.31(iv) Page:681 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC plain ended valley gutter - 900X200X225mm	10.00	Nos.	1273.19	12731.88	1.	Maistry	0.150	No.	540.38	81.06	
2.	m.s. bracket	19.00	Nos.	124.82	2371.63	2.	Carpenter I	3.000	No.	540.38	1621.14	
3.	Bolts, nuts - 8mm dia.	132.00	Nos.	15.25	2013.56	3.	Beldar	3.000	No.	478.85	1436.55	
4.	GI washers	264.00	Nos.	1.69	447.46							
5.	Bitumen washers	264.00	Nos.	1.69	447.46							
6.	Plastic compound-11X1530	16.840	Kgs.	111.86	1883.80							
7.	AC rope - 11X2.08	22.88	Mtrs.	32.65	746.94							
8.	Sundries, carriage		Lumpsum		150.00							
TOTAL (M) =Rs.					20792.73	TOTAL (L) =Rs.					3138.75	

Total of (M) + (L) = (I) = ` 23931.48

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 576.27

Say Rs. 1,345.00 per Mtr.

Total = (I) + (II) = (III) = ` 24507.75

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2393.15

Grand Total = (III)+(IV)= ` 26900.90

This is cost for 20.00 Mtrs.

Therefore, Unit cost = 26900.90 ÷ 20.00 =Rs. 1345.04

Rate Analysis for 3.15 Sq.M. of Item:
Providing and fixing 3 mm thick translucent corrugated fibre glass reinforced polyester sheeting etc.

Corresponding Item No. 31 of Section -XIII of MbPT SOR 2014
 New Item No. 31 of Section -XIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Translucent sheet 3mm thick	3.15	Sq.M.	614.41	1935.39	1.	Maistry	0.030	No.	540.38	16.21	
2.	Bolts, nuts - 8mm dia.	6.00	Nos.	15.25	91.53	2.	Carpenter II	0.250	No.	525.00	131.25	
3.	GI washers	6.00	Nos.	1.69	10.17	3.	Beldar	0.250	No.	478.85	119.71	
4.	Bitumen washers	6.00	Nos.	1.69	10.17							
5.	Sundries, carriage		Lumpsum		60.00							
TOTAL (M) =Rs.					2107.25	TOTAL (L) =Rs.					267.17	

Total of (M) + (L) = (I) = ` 2374.43

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 36.36

Add: Allowance for Employee' insurance @4.75% of (L) = ` 12.69

Total of allowances = (II) = ` 49.05

Say Rs. 845.00 per Sq.M.

Total = (I) + (II) = (III) = ` 2423.48

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 237.44

Grand Total = (III)+(IV)= ` 2660.92

This is cost for 3.15 Sq.M.

Therefore, Unit cost = 2660.92 ÷ 3.15 =Rs. 844.74

Rate Analysis for 1.00 Sq.M. of Item:
Re-fixing the existing GI plain sheets etc.

Corresponding Item No. 32 of Section -XIII of MbPT SOR 2014
 New Item No. 32 of Section -XIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
						1.	Labour charges		Lumpsum		50.00	
TOTAL (M) =Rs.						TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	50.00	Total = (I) + (II) =	(III)	= `	59.18
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.00
Add: Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	64.18
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for 1.00 Sq.M.			
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	=		
				64.18 ÷ 1.00	=Rs.		64.18
			Say Rs. 64.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing pre-painted Al-zinc alloy coated (Galvalum) steel sheets of avg. 0.5 mm thick etc.

Corresponding Item No. --- of Section -XIII of MbPT SOR 2014
 New Item No. 33 of Section -XIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Galvalum steel sheets Avg. 0.5 mm thick +10% for overlaps	11.00	Sq.M.	330.51	3635.60	1.	Fitter-I	2.000	Nos.	540.38	1080.76	
2.	Bolts, nuts, hooks, washers			Lumpsum	400.00	2.	Fitter-II	2.000	Nos.	525.00	1050.00	
3.	Scaffolding			Lumpsum	200.00	3.	Mazdoor-Male	6.000	Nos.	478.85	2873.10	
5.	Sundries, carriage			Lumpsum	100.00							
TOTAL (M) =Rs.					4335.60	TOTAL (L) =Rs.					5003.86	

Total of (M) + (L) =	(I)	= `	9339.46	Total = (I) + (II) =	(III)	= `	10258.17
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	933.95
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	681.03	Grand Total	=	(III)+(IV)= `	11192.12
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	237.68	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	918.71	Therefore, Unit cost	=		
				11192.12 ÷	10.00	=Rs.	1119.21
			Say Rs.	1,119.00	per	Sq.M.	

XIV - Dismantling & Demolition

Sr. No.	Item Description	Rate in `	Unit
1	Demolishing cement concrete (1:3:6) or richer mix in superstructure including stacking of materials for disposal within 100 Mtrs. lead complete as directed.	1,577.00	Cu.M.
2	Demolishing cement concrete (1:4:8) or leaner mix including stacking of materials for disposal within 100 Mtrs. lead complete as directed.	1,041.00	Cu.M.
3	Demolishing RCC work including stacking of steel bars and unserviceable materials separately within a lead of 100 Mtrs. complete as directed.	2,697.00	Cu.M.
4	Cutting reinforcement bars in RCC work and stacking the same within a lead of 100 Mtrs. complete as directed (sectional area of RCC work will be measured and paid for).	653.00	Sq.M. of c/s area
5	Scraping, cleaning and straightening reinforcement bars obtained from demolition of RCC work and stacking at site within a lead of 100 Mtrs. complete as directed.	510.00	qntl.
6	Demolishing brick work in lime mortar including stacking of serviceable materials and unserviceable materials separately within a lead of 100 Mtrs. complete as directed.	884.00	Cu.M.
7	Demolishing brick work in cement mortar including stacking of serviceable material and unserviceable materials separately within a lead of 100 Mtrs. complete as directed.	2,015.00	Cu.M.
8	Removing mortar from bricks & cleaning the bricks		
	(a) for brick work in lime mortar	1,488.00	Cu.M.
	(b) for brick work in cement mortar	1,854.00	Cu.M.
9	Demolishing stone rubble masonry in lime mortar including stacking of serviceable materials and unserviceable materials separately within a lead of 100 Mtrs. complete as directed.	906.00	Cu.M.
10	Demolishing stone rubble masonry in cement mortar including stacking of serviceable materials and unserviceable materials separately within a lead of 100 Mtrs. complete as directed.	2,037.00	Cu.M.
11	Dismantling wood work of sectional area of 40 Sq.Cm. or above in frames, trusses etc. upto a height of 5 Mtrs. including stacking the materials within a lead of 100 Mtrs. complete as directed.	2,100.00	Cu.M.

XIV - Dismantling & Demolition

Sr. No.	Item Description	Rate in `	Unit
12	Extra over rate for Item No.11 for dismantling trusses, rafters, purlins etc. for every additional height of 1 Mtr. beyond 5 Mtrs.	481.00	Cu.M.
13	Dismantling wood work of area below 40 Sq.Cm. in trusses, frames, etc. and stacking the materials within a lead of 100 Mtrs. complete as directed.	2,700.00	Cu.M.
14	Dismantling doors and windows (steel or wood) with shutters and frames and stacking within a lead of 100 Mtrs. complete as directed.		
	(a) of area 3 Sq.M. and below	230.00	Each
	(b) of area beyond 3 Sq.M.	306.00	Each
15	Dismantling steel work in single sections in R.S.J.s, channels, angles, 'T's and flats including dismembering and stacking within a lead of 100 Mtrs. complete as directed.	257.00	qntl.
16	Dismantling steel work in built-up sections in frame work and trusses of span upto 10 Mtrs. and height of 5 Mtrs. in R.S.Joists, angles, 'T's, flats & channels including all gusset plates, bolts, nuts, cutting rivets and weldings including dismembering and handing over all serviceable materials at sectional office or at MbPT store yard as directed complete.	386.00	qntl.
17	Extra over rate for Item No.16 for dismantling trusses, rafters, purlins etc. of steel for every additional span of 1 Mtr. beyond 10 Mtrs.	55.00	per qntl. per Mtr.
18	Extra over rate for Item No.16 for every additional height of 1 Mtr. beyond 5 Mtr.	53.00	per qntl. per Mtr.
19	Dismantling tiles in floors stacking the same for disposal within a lead of 100 Mtrs. complete as directed.		
	(a) for tile thickness upto 25 mm	58.00	Sq.M.
	(b) for tile thickness above 25 & upto 40mm	81.00	Sq.M.
20	Dismantling stone slab flooring laid in cement mortar and stacking of serviceable materials and unserviceable materials separately within a lead of 100 Mtrs. complete as directed.	182.00	Sq.M.
21	Dismantling GI sheet roofing including ridges, hips, valleys and gutters and stacking the materials within a lead of 100 Mtrs. complete as directed.	111.00	Sq.M.

XIV - Dismantling & Demolition

Sr. No.	Item Description	Rate in `	Unit
22	Dismantling asbestos sheet roofing including ridges, hips, valleys and gutters and stacking the materials within a lead of 100 Mtrs. complete as directed.	127.00	Sq.M.
23	Dismantling CI or AC pipes with fittings (from 50 to 150 mm nominal bore) and clamps including stacking the materials within a lead of 100 Mtrs. complete as directed.	59.00	Mtr.
24	Breaking/ excavating cement concrete or RCC of any grade by using compressors and stacking the debris for disposal within a lead of 100 Mtrs. complete as directed.	1,191.00	Cu.M.
25	Demolishing hollow cement concrete block masonry including it's plaster and stacking the debris for disposal within a lead of 100 Mtrs. complete as directed.	572.00	Cu.M.
26	Dismantling PVC pipes of any dia. with it's fittings and clamps including stacking the serviceable and unserviceable material separately within a lead of 100 Mtrs. complete as directed.	40.00	Mtr.
27	Demolishing/ dismantling old dilapidated chowkies of any size at various locations in MbPT estates including stacking serviceable materials at store yard/ sectional office and removing unserviceable materials outside MbPT estates etc. complete as directed.	3,158.00	Each

Rate Analysis for 1.00 Cu.M. of Item:
Demolishing cement concrete (1:3:6) or richer mix in superstructure including stacking of material for disposal within a lead of 100 Mtrs. etc.

Corresponding Item No. 1 of Section -XIV of MbPT SOR 2014
 New Item No. 1 of Section -XIV
 NBO Ref. No.20.6(ii) Page:205 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Scaffolding		Lumpsum		50.00	1.	Mate	0.20	No.	478.85	95.77	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	1.490	No.	478.85	713.49	
						3.	Mazdoor-Female	0.750	No.	478.85	359.14	
TOTAL (M) =Rs.					70.00	TOTAL (L) =Rs.					1168.39	

Total of (M) + (L) =	(I)	= `	1238.39	Total = (I) + (II) =	(III)	= `	1452.91
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	123.84
Add: Allowance for PF @13.61% of (L)		= `	159.02	Grand Total	=	(III)+(IV)= `	1576.75
Add: Allowance for Employee' insurance @4.75% of (L)		= `	55.50	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	214.52	Therefore, Unit cost	=		
				1576.75 ÷	1.00	=Rs.	1576.75
			Say Rs. 1,577.00	per Cu.M.			

Rate Analysis for 1.00 Cu.M. of Item:
Demolishing cement concrete (1:4:8) or richer mix including stacking of material for disposal within a lead of 100 Mtrs. etc.

Corresponding Item No. 2 of Section -XIV of MbPT SOR 2014
 New Item No. 2 of Section -XIV
 NBO Ref. No.20.6(ii) Page:205 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Consider 60% of rate of Item No.1 above	0.600	Cu.M.	1577.00	946.20							
TOTAL (M) =Rs.					946.20	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	946.20	Total = (I) + (II) =	(III)	= `	946.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	94.62
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	1040.82
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				1040.82	÷	1.00	=Rs. 1040.82
				Say Rs. 1,041.00	per	Cu.M.	

Rate Analysis for 1.00 Cu.M. of Item:
Demolishing RCC work in superstructure including stacking of steel bars & unserviceable material within 100 Mtrs. lead etc.

Corresponding Item No. 3 of Section -XIV of MbPT SOR 2014
 New Item No. 3 of Section -XIV
 NBO Ref. No.20.7(i) Page:205 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Scaffolding		Lumpsum		30.00	1.	Mate	0.60	No.	478.85	287.31	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	2.220	No.	478.85	1063.05	
						3.	Mazdoor-Female	1.500	No.	478.85	718.28	
TOTAL (M) =Rs.					38.00	TOTAL (L) =Rs.					2068.63	

Total of (M) + (L) =	(I)	= `	2106.63	Total = (I) + (II) =	(III)	= `	2486.43
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	210.66
Add: Allowance for PF @13.61% of (L)		= `	281.54	Grand Total	=	(III)+(IV)= `	2697.10
Add: Allowance for Employee' insurance @4.75% of (L)		= `	98.26	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	379.80	Therefore, Unit cost	=		
				2697.10	÷	1.00	=Rs. 2697.10
			Say Rs. 2,697.00	per Cu.M.			

Rate Analysis for 1.00 Sq.M. of Item:
Cutting reinforcement bars in RCC work (sectional area of RCC work will be measured and paid for) etc.

Corresponding Item No. 4 of Section -XIV of MbPT SOR 2014
 New Item No. 4 of Section -XIV
 NBO Ref. No.20.5 Page:204 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Blacksmith II	0.50	No.	525.00	262.50	
						2.	Mazdoor-Male	0.500	No.	478.85	239.43	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8.00						501.93	

Total of (M) + (L) =	(I)	= `	509.93	Total = (I) + (II) =	(III)	= `	602.08
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	50.99
Add: Allowance for PF @13.61% of (L)		= `	68.31	Grand Total	=	(III)+(IV)= `	653.07
Add: Allowance for Employee' insurance @4.75% of (L)		= `	23.84	This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `	92.15	Therefore, Unit cost	=		
				653.07 ÷	1.00	=Rs.	653.07
			Say Rs. 653.00	per Sq.M.			

Rate Analysis for 0.95 qntl. of Item:
Scrapping, cleaning & straightening reinforcement obtained from demolition of RCC work etc.

Corresponding Item No. 5 of Section -XIV of MbPT SOR 2014
 New Item No. 5 of Section -XIV
 NBO Ref. No.20.10 Page:206 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Blacksmith II	0.25	No.	525.00	131.25	
						2.	Mazdoor-Male	0.500	No.	478.85	239.43	
TOTAL (M) =Rs.					8.00	TOTAL (L) =Rs.					370.68	

Total of (M) + (L) =	(I)	= `	378.68	Total = (I) + (II) =	(III)	= `	446.73
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	37.87
Add: Allowance for PF @13.61% of (L)		= `	50.45	Grand Total	=	(III)+(IV)= `	484.60
Add: Allowance for Employee' insurance @4.75% of (L)		= `	17.61	This is cost for 0.95 qntl.			
Total of allowances =	(II)	= `	68.06	Therefore, Unit cost	=		
				484.60 ÷ 0.95	=Rs.		510.10
			Say Rs. 510.00	per qntl.			

Rate Analysis for 1.00 Cu.M. of Item:
Demolishing brick work in lime mortar including stacking of serviceable material & unserviceable materials within 100m lead etc.

Corresponding Item No. 6 of Section -XIV of MbPT SOR 2014
 New Item No. 6 of Section -XIV
 NBO Ref. No.20.13(ii) Page:207 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Scaffolding		Lumpsum		30.00	1.	Mate	0.09	No.	478.85	43.10	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.660	No.	478.85	316.04	
						3.	Mazdoor-Female	0.620	No.	478.85	296.89	
TOTAL (M) =Rs.					38.00	TOTAL (L) =Rs.					656.02	

Total of (M) + (L) =	(I)	= `	694.02	Total = (I) + (II) =	(III)	= `	814.47
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	69.40
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	89.28	Grand Total	=	(III)+(IV)= `	883.87
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	31.16	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	120.45	Therefore, Unit cost	=		
				883.87	÷	1.00	=Rs. 883.87
			Say Rs. 884.00		per Cu.M.		

Rate Analysis for 1.00 Cu.M. of Item:
Demolishing brick work in cement mortar including stacking of serviceable material & unserviceable materials within 100m lead etc.

Corresponding Item No. 7 of Section -XIV of MbPT SOR 2014
 New Item No. 7 of Section -XIV
 NBO Ref. No.20.13(iii) Page:208 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Scaffolding		Lumpsum		30.00	1.	Mate	0.17	No.	478.85	81.40	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	1.540	No.	478.85	737.43	
						3.	Mazdoor-Female	1.500	No.	478.85	718.28	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					38.00						1537.11	

Total of (M) + (L) =	(I)	= `	1575.11	Total = (I) + (II) =	(III)	= `	1857.32
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	157.51
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	209.20	Grand Total	=	(III)+(IV)= `	2014.83
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	73.01	This is cost for 1.00 Cu.M.			
Total of allowances =	(II)	= `	282.21	Therefore, Unit cost	=		
				2014.83 ÷ 1.00	=Rs.		2014.83
			Say Rs. 2,015.00	per Cu.M.			

Rate Analysis for 1000 Nos. of Item:
Removing mortar from bricks & cleaning the bricks etc.
(a) For brick work in lime mortar

Corresponding Item No. 8a of Section -XIV of MbPT SOR 2014
 New Item No. 8a of Section -XIV
 NBO Ref. No.20.15(ii) Page:209 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		10.00	1.	Mason II	0.80	No.	525.00	420.00	
						2.	Mazdoor-Male	2.800	No.	478.85	1340.78	
						3.	Mazdoor-Female	1.400	No.	478.85	670.39	
TOTAL (M) =Rs.					10.00	TOTAL (L) =Rs.					2431.17	

Total of (M) + (L) =	(I)	= `	2441.17	Total = (I) + (II) =	(III)	= `	2887.53
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	244.12
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	330.88	Grand Total	=	(III)+(IV)= `	3131.65
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	115.48	Average number of bricks in 1 Cu.M.=	475	Nos.	
Total of allowances =	(II)	= `	446.36	Therefore cost per Cu.M. =	$\frac{475}{1000}$	X	3131.65
						=	1487.53
Say Rs. 1,488.00				per Cu.M.			

Rate Analysis for 1000 Nos. of Item:
Removing mortar from bricks & cleaning the bricks etc.
(b) For brick work in cement mortar

Corresponding Item No. 8b of Section -XIV of MbPT SOR 2014
 New Item No. 8b of Section -XIV
 NBO Ref. No.20.15(iii) Page:209 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Mason II	1.20	No.	525.00	630.00	
						2.	Mazdoor-Male	3.500	No.	478.85	1675.98	
						3.	Mazdoor-Female	1.500	No.	478.85	718.28	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					3024.25	

Total of (M) + (L) =	(I)	= `	3044.25	Total = (I) + (II) =	(III)	= `	3599.50
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	304.43
Add: Allowance for PF @13.61% of (L)		= `	411.60	Grand Total	=	(III)+(IV)= `	3903.93
Add: Allowance for Employee' insurance @4.75% of (L)		= `	143.65	Average number of bricks in 1 Cu.M.=	475	Nos.	
Total of allowances =	(II)	= `	555.25	Therefore cost per Cu.M. =	$\frac{475}{1000}$	X	3903.93
						=	1854.37
Say Rs. 1,854.00				per Cu.M.			

Rate Analysis for 1.00 Cu.M. of Item:
Demolishing stone rubble masonry in lime mortar including stacking of serviceable materials & unserviceable materials within 100m lead etc.

Corresponding Item No. 9 of Section -XIV of MbPT SOR 2014
 New Item No. 9 of Section -XIV
 NBO Ref. No.20.11(ii)&20.18(i) Page:210 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Scaffolding		Lumpsum		50.00	1.	Mate	0.09	No.	478.85	43.10	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.660	No.	478.85	316.04	
						3.	Mazdoor-Female	0.620	No.	478.85	296.89	
TOTAL (M) =Rs.					58.00	TOTAL (L) =Rs.					656.02	

Total of (M) + (L) = (I) = ` 714.02

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 120.45

Say Rs.

Total = (I) + (II) = (III) = ` 834.47

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 905.87

This is cost for 1.00 Cu.M.

Therefore, Unit cost = 905.87 ÷ 1.00 =Rs. 905.87

per Cu.M.

906.00

Rate Analysis for 1.00 Cu.M. of Item:
Demolishing stone rubble masonry in cement mortar including stacking of serviceable materials & unserviceable materials within 100m lead etc.

Corresponding Item No. 10 of Section -XIV of MbPT SOR 2014
 New Item No. 10 of Section -XIV
 NBO Ref. No.20.11(iii)&20.18(ii) Page:210 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Scaffolding		Lumpsum		50.00	1.	Mate	0.17	No.	478.85	81.40	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	1.540	No.	478.85	737.43	
						3.	Mazdoor-Female	1.500	No.	478.85	718.28	
TOTAL (M) =Rs.					58.00	TOTAL (L) =Rs.					1537.11	

Total of (M) + (L) =	(I)	= `	1595.11	Total = (I) + (II) =	(III)	= `	1877.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	159.51
Add: Allowance for PF @13.61% of (L)		= `	209.20	Grand Total	=	(III)+(IV)= `	2036.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	73.01	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	282.21	Therefore, Unit cost	=		
				2036.83	÷	1.00	=Rs. 2036.83
			Say Rs. 2,037.00	per Cu.M.			

Rate Analysis for 1.00 Cu.M. of Item:
Dismantling wood work of sectional area of 40 Sq.Cm or above in frames, trusses, etc. upto height of 5 Mtrs.
including stacking the materials within 100m lead etc.

Corresponding Item No. 11 of Section -XIV of MbPT SOR 2014
 New Item No. 11 of Section -XIV
 NBO Ref. No.20.35(i) Page:218 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Carpenter II	1.17	No.	525.00	614.25	
						2.	Mazdoor-Male	2.120	No.	478.85	1015.16	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8.00						1629.41	

Total of (M) + (L) =	(I)	= `	1637.41	Total = (I) + (II) =	(III)	= `	1936.57
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	163.74
Add: Allowance for PF @13.61% of (L)		= `	221.76	Grand Total	=	(III)+(IV)= `	2100.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `	77.40	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	299.16	Therefore, Unit cost	=		
				2100.31 ÷	1.00	=Rs.	2100.31
			Say Rs.	2,100.00	per	Cu.M.	

Rate Analysis for 1.00 Cu.M. of Item:

Extra over rate for dismantling wood work of sectional area of 40 Sq.Cm or above in frames, trusses, etc. including stacking the materials within 50m lead for trusses, rafters, purlins etc. for every additional height of 1Mtr. beyond 5 Mtrs. for Item No.11 above

Corresponding Item No. 12 of Section -XIV of MbPT SOR 2014
 New Item No. 12 of Section -XIV
 NBO Ref. No.20.37(i) Page:218 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Blacksmith II	0.25	No.	525.00	131.25	
						2.	Mazdoor-Male	0.500	No.	478.85	239.43	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					370.68	

Total of (M) + (L) =	(I)	= `	375.68	Total = (I) + (II) =	(III)	= `	443.73
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	37.57
Add: Allowance for PF @13.61% of (L)		= `	50.45	Grand Total	=	(III)+(IV)= `	481.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	17.61	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	68.06	Therefore, Unit cost	=		
				481.30	÷	1.00	=Rs. 481.30
			Say Rs. 481.00	per Cu.M.			

Rate Analysis for 0.035 Cu.M. of Item: (10 Mtrs. long & 0.0035 Sq.M. c/s area)
Dismantling wood work of sectional area below 40 Sq.Cm. in frames, trusses, etc. & stacking the materials within 100m lead etc.

Corresponding Item No. 13 of Section -XIV of MbPT SOR 2014

New Item No. 13 of Section -XIV

NBO Ref. No.20.35(ii) Page:218 Vol:II

Considering average cross sectional area = 0.0035 Sq.M. Volume for 10 Mtrs. length = 0.035 Cu.M.

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Carpenter II	0.05	No.	525.00	26.25	
						2.	Mazdoor-Male	0.090	No.	478.85	43.10	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					5.00						69.35	

Total of (M) + (L) =	(I)	= `	74.35	Total = (I) + (II) =	(III)	= `	87.08
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7.43
Add: Allowance for PF @13.61% of (L)		= `	9.44	Grand Total	=	(III)+(IV)= `	94.51
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.29	This is cost for	0.035	Cu.M.	
Total of allowances =	(II)	= `	12.73	Therefore, Unit cost	=		
				94.51 ÷	0.035	=Rs.	2700.38
			Say Rs.	2,700.00	per	Cu.M.	

Rate Analysis for 1.00 No. of Item:
Dismantling doors and windows including shutters etc.
(a) Area of 3 Sq.M. or less

Corresponding Item No. 14a of Section -XIV of MbPT SOR 2014
 New Item No. 14a of Section -XIV
 NBO Ref. No.20.49(i) Page:223 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Mason II	0.10	No.	525.00	52.50	
						2.	Mazdoor-Male	0.200	No.	478.85	95.77	
						3.	Blacksmith II	0.050	No.	525.00	26.25	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					174.52	

Total of (M) + (L) =	(I)	= `	179.52	Total = (I) + (II) =	(III)	= `	211.56
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	17.95
Add: Allowance for PF @13.61% of (L)		= `	23.75	Grand Total	=	(III)+(IV)= `	229.51
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.29	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	32.04	Therefore, Unit cost	=		
				229.51 ÷ 1.00	=Rs.		229.51
			Say Rs. 230.00	per Each			

Rate Analysis for 1.00 No. of Item:
Dismantling doors and windows including shutters etc.
(b) Area more than 3 Sq.M.

Corresponding Item No. 14b of Section -XIV of MbPT SOR 2014
 New Item No. 14b of Section -XIV
 NBO Ref. No.20.49(ii) Page:223 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Mason II	0.13	No.	525.00	68.25	
						2.	Mazdoor-Male	0.270	No.	478.85	129.29	
						3.	Blacksmith II	0.070	No.	525.00	36.75	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					234.29	

Total of (M) + (L) =	(I)	= `	239.29	Total = (I) + (II) =	(III)	= `	282.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	23.93
Add: Allowance for PF @13.61% of (L)		= `	31.89	Grand Total	=	(III)+(IV)= `	306.23
Add: Allowance for Employee' insurance @4.75% of (L)		= `	11.13	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	43.02	Therefore, Unit cost	=		
				306.23 ÷ 1.00	=Rs.		306.23
			Say Rs. 306.00	per Each			

Rate Analysis for 1.00 qntl. of Item:
Dismantling steel work in single sections etc.

Corresponding Item No. 15 of Section -XIV of MbPT SOR 2014
 New Item No. 15 of Section -XIV
 NBO Ref. No.20.43(i) Page:221 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Bandhani	0.10	No.	498.08	49.81	
						2.	Mazdoor-Male	0.250	No.	478.85	119.71	
						3.	Blacksmith II	0.050	No.	525.00	26.25	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					5.00						195.77	

Total of (M) + (L) =	(I)	= `	200.77	Total = (I) + (II) =	(III)	= `	236.71
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	20.08
Add: Allowance for PF @13.61% of (L)		= `	26.64	Grand Total	=	(III)+(IV)= `	256.79
Add: Allowance for Employee' insurance @4.75% of (L)		= `	9.30	This is cost for 1.00 qntl.			
Total of allowances =	(II)	= `	35.94	Therefore, Unit cost	=		
				256.79 ÷ 1.00	=Rs.		256.79
			Say Rs. 257.00	per qntl.			

Rate Analysis for 1.00 qntl. of Item:
Dismantling steel work in built up sections etc.

Corresponding Item No. 16 of Section -XIV of MbPT SOR 2014
 New Item No. 16 of Section -XIV
 NBO Ref. No.20.44(i) Page:221 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Bandhani	0.10	No.	498.08	49.81	
						2.	Mazdoor-Male	0.350	No.	478.85	167.60	
						3.	Blacksmith II	0.150	No.	525.00	78.75	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					296.16	

Total of (M) + (L) =	(I)	= `	301.16	Total = (I) + (II) =	(III)	= `	355.53
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	30.12
Add: Allowance for PF @13.61% of (L)		= `	40.31	Grand Total	=	(III)+(IV)= `	385.65
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.07	This is cost for 1.00 qntl.			
Total of allowances =	(II)	= `	54.37	Therefore, Unit cost	=		
				385.65 ÷ 1.00	=Rs.		385.65
			Say Rs. 386.00	per qntl.			

Rate Analysis for 1.00 qntl. of Item:
Extra over rate for dismantling steel work in built up sections for every additional span of 1 Mtr. beyond 10 Mtrs. for Item No.16 above.

Corresponding Item No. 17 of Section -XIV of MbPT SOR 2014
 New Item No. 17 of Section -XIV
 NBO Ref. No.20.45 Page:222 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Bandhani	0.02	No.	498.08	9.96	
						2.	Mazdoor-Male	0.060	No.	478.85	28.73	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					5.00						38.69	

Total of (M) + (L) =	(I)	= `	43.69	Total = (I) + (II) =	(III)	= `	50.80
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.37
Add: Allowance for PF @13.61% of (L)		= `	5.27	Grand Total	=	(III)+(IV)= `	55.17
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.84	This is cost for 1.00 qntl.			
Total of allowances =	(II)	= `	7.10	Therefore, Unit cost	=		
				55.17 ÷ 1.00	=Rs.		55.17
			Say Rs. 55.00	per qntl. per Mtr.			

Rate Analysis for 1.00 qntl. of Item:
Extra over rate for dismantling steel work in built up sections for every additional height of 1 Mtr. beyond 5 Mtrs. for Item No.16 above.

Corresponding Item No. 18 of Section -XIV of MbPT SOR 2014
 New Item No. 18 of Section -XIV
 NBO Ref. No.20.46 Page:222 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		3.00	1.	Bandhani	0.02	No.	498.08	9.96	
						2.	Mazdoor-Male	0.060	No.	478.85	28.73	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					3.00						38.69	

Total of (M) + (L) =	(I)	= `	41.69	Total = (I) + (II) =	(III)	= `	48.80
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.17
Add: Allowance for PF @13.61% of (L)		= `	5.27	Grand Total	=	(III)+(IV)= `	52.97
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.84	This is cost for	1.00	qntl.	
Total of allowances =	(II)	= `	7.10	Therefore, Unit cost	52.97	÷	1.00 =Rs. 52.97
			Say Rs. 53.00	per qntl. per Mtr.			

Rate Analysis for 10.00 Sq.M. of Item:
Dismantling tiles in floors including stacking of materials within 100m lead etc.
(a) For tile thickness upto 25mm.

Corresponding Item No. 19a of Section -XIV of MbPT SOR 2014
New Item No. 19a of Section -XIV
NBO Ref. No.20.23(i) Page:213 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Mason II	0.30	No.	525.00	157.50	
						2.	Mazdoor-Male	0.120	No.	478.85	57.46	
						3.	Mazdoor-Female	0.480	No.	478.85	229.85	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					444.81	

Total of (M) + (L) =	(I)	= `	449.81	Total = (I) + (II) =	(III)	= `	531.48
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	44.98
Add: Allowance for PF @13.61% of (L)		= `	60.54	Grand Total	=	(III)+(IV)= `	576.46
Add: Allowance for Employee' insurance @4.75% of (L)		= `	21.13	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	81.67	Therefore, Unit cost	=		
				576.46 ÷	10.00	=Rs.	57.65
			Say Rs. 58.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Dismantling tiles in floors including stacking of materials within 100m lead etc.
(b) For tile thickness above 25mm.

Corresponding Item No. 19b of Section -XIV of MbPT SOR 2014
 New Item No. 19b of Section -XIV
 NBO Ref. No.20.23(ii) Page:213 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Mason II	0.59	No.	525.00	309.75	
						2.	Mazdoor-Male	0.180	No.	478.85	86.19	
						3.	Mazdoor-Female	0.480	No.	478.85	229.85	
TOTAL (M) =Rs.					8.00	TOTAL (L) =Rs.					625.79	

Total of (M) + (L) =	(I)	= `	633.79	Total = (I) + (II) =	(III)	= `	748.69
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	63.38
Add: Allowance for PF @13.61% of (L)		= `	85.17	Grand Total	=	(III)+(IV)= `	812.07
Add: Allowance for Employee' insurance @4.75% of (L)		= `	29.73	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	114.90	Therefore, Unit cost	=		
				812.07 ÷ 10.00	=Rs.		81.21
			Say Rs. 81.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Dismantling of stone slab flooring etc.

Corresponding Item No. 20 of Section -XIV of MbPT SOR 2014
 New Item No. 20 of Section -XIV
 NBO Ref. No.20.23(iii) Page:213 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Mate	0.18	No.	478.85	86.19	
						2.	Mazdoor-Male	1.770	No.	478.85	847.56	
						3.	Mazdoor-Female	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					8.00	TOTAL (L) =Rs.					1412.61	

Total of (M) + (L) =	(I)	= `	1420.61	Total = (I) + (II) =	(III)	= `	1679.96
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	142.06
Add: Allowance for PF @13.61% of (L)		= `	192.26	Grand Total	=	(III)+(IV)= `	1822.02
Add: Allowance for Employee' insurance @4.75% of (L)		= `	67.10	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	259.35	Therefore, Unit cost	=		
				1822.02 ÷	10.00	=Rs.	182.20
			Say Rs. 182.00		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Dismantling of GI roofing etc.

Corresponding Item No. 21 of Section -XIV of MbPT SOR 2014
 New Item No. 21 of Section -XIV
 NBO Ref. No.20.27(i) Page:214 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Carpenter II	0.50	No.	525.00	262.50	
						2.	Mazdoor-Male	1.250	No.	478.85	598.56	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8.00						861.06	

Total of (M) + (L) =	(I)	= `	869.06	Total = (I) + (II) =	(III)	= `	1027.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	86.91
Add: Allowance for PF @13.61% of (L)		= `	117.19	Grand Total	=	(III)+(IV)= `	1114.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	40.90	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	158.09	Therefore, Unit cost	=		
				1114.06 ÷	10.00	=Rs.	111.41
			Say Rs.	111.00	per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Dismantling of AC sheet roofing etc.

Corresponding Item No. 22 of Section -XIV of MbPT SOR 2014
 New Item No. 22 of Section -XIV
 NBO Ref. No.20.27(ii) Page:215 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Carpenter II	0.62	No.	525.00	325.50	
						2.	Mazdoor-Male	1.370	No.	478.85	656.02	
TOTAL (M) =Rs.					8.00	TOTAL (L) =Rs.					981.52	

Total of (M) + (L) =	(I)	= `	989.52	Total = (I) + (II) =	(III)	= `	1169.73
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	98.95
Add: Allowance for PF @13.61% of (L)		= `	133.59	Grand Total	=	(III)+(IV)= `	1268.68
Add: Allowance for Employee' insurance @4.75% of (L)		= `	46.62	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	180.21	Therefore, Unit cost	=		
				1268.68 ÷ 10.00	=Rs.		126.87
			Say Rs. 127.00	per Sq.M.			

Rate Analysis for 10.00 Mtrs. of Item:
Dismantling of CI & AC pipes 50mm to 150mm nominal bore etc.

Corresponding Item No. 23 of Section -XIV of MbPT SOR 2014
 New Item No. 23 of Section -XIV
 NBO Ref. No.20.56(iv) Page:226 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Blacksmith II	0.18	No.	525.00	94.50	
						2.	Mazdoor-Male	0.360	No.	478.85	172.39	
						3.	Mazdoor-Female	0.400	No.	478.85	191.54	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					458.43	

Total of (M) + (L) =	(I)	= `	463.43	Total = (I) + (II) =	(III)	= `	547.59
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	46.34
Add: Allowance for PF @13.61% of (L)		= `	62.39	Grand Total	=	(III)+(IV)= `	593.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `	21.78	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	84.17	Therefore, Unit cost	=		
				593.94 ÷ 10.00	=Rs.		59.39
			Say Rs. 59.00	per Mtr.			

Rate Analysis for 5.00 Cu.M. of Item:
Breaking/ excavating RCC of any grade by using compressors etc.

Corresponding Item No. 24 of Section -XIV of MbPT SOR 2014
 New Item No. 24 of Section -XIV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rental charges for compressor		Lumpsum		1300.00	1.	Compressor operator	1.00	No.	540.38	540.38	
2.	Diesel charges		Lumpsum		1550.00	2.	Pavement breaker operators	2.000	No.	498.08	996.16	
3.	Oil charges		Lumpsum		120.00							
4.	Transport of compressor		Lumpsum		600.00							
5.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					3620.00	TOTAL (L) =Rs.					1536.54	

Total of (M) + (L) =	(I)	= `	5156.54	Total = (I) + (II) =	(III)	= `	5438.65
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	515.65
Add: Allowance for PF @13.61% of (L)		= `	209.12	Grand Total	=	(III)+(IV)= `	5954.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	72.99	This is cost for	5.00	Cu.M.	
Total of allowances =	(II)	= `	282.11	Therefore, Unit cost	=		
				5954.30 ÷	5.00	=Rs.	1190.86
			Say Rs.	1,191.00	per	Cu.M.	

Rate Analysis for 10.00 Cu.M. of Item:
Demolishing hollow cement concrete block masonry including plaster and stacking debris for disposal within a lead of 100 Mtrs. etc.

Corresponding Item No. 25 of Section -XIV of MbPT SOR 2014
 New Item No. 25 of Section -XIV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Transportation and disposal of debris		Lumpsum		1800.00	1.	Mazdoor-Male	6.000	No.	478.85	2873.10	
2.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					1850.00	TOTAL (L) =Rs.					2873.10	

Total of (M) + (L) =	(I)	= `	4723.10	Total = (I) + (II) =	(III)	= `	5250.60
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	472.31
Add: Allowance for PF @13.61% of (L)		= `	391.03	Grand Total	=	(III)+(IV)= `	5722.91
Add: Allowance for Employee' insurance @4.75% of (L)		= `	136.47	This is cost for	10.00	Cu.M.	
Total of allowances =	(II)	= `	527.50	Therefore, Unit cost	=		
				5722.91 ÷	10.00	=Rs.	572.29
			Say Rs. 572.00	per Cu.M.			

Rate Analysis for 10.00 Mtrs. of Item:
Dismantling PVC pipes of any dia. with fittings and clamps including stacking the serviceable materials and unserviceable materials within a lead of 100 Mtrs. etc.

Corresponding Item No. 26 of Section -XIV of MbPT SOR 2014
 New Item No. 26 of Section -XIV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Muccadam	0.13	No.	540.38	70.25	
						2.	Mazdoor-Male	0.500	No.	478.85	239.43	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					5.00						309.67	

Total of (M) + (L) =	(I)	= `	314.67	Total = (I) + (II) =	(III)	= `	371.53
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	31.47
Add: Allowance for PF @13.61% of (L)		= `	42.15	Grand Total	=	(III)+(IV)= `	403.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.71	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	56.86	Therefore, Unit cost	=		
				403.00 ÷ 10.00	=Rs.		40.30
			Say Rs. 40.00	per Mtr.			

Rate Analysis for 1.00 No. of Item:

Demolishing/ dismantling old dilapidated chowkies at various locations in MbPT estates including stacking serviceable materials at sectional office and removing unserviceable materials outside MbPT estates etc.

Corresponding Item No. of Section -XIV of MbPT SOR 2014
 New Item No. 27 of Section -XIV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Carpenter-I	1.00	No.	540.38	540.38	
						2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	2455.78

Total of (M) + (L) =	(I)	= `	2460.78	Total = (I) + (II) =	(III)	= `	2911.66
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	246.08
Add: Allowance for PF @13.61% of (L)		= `	334.23	Grand Total	=	(III)+(IV)= `	3157.74
Add: Allowance for Employee' insurance @4.75% of (L)		= `	116.65	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	450.88	Therefore, Unit cost	=		
				3157.74	÷	1.00	=Rs. 3157.74
			Say Rs. 3,158.00	per No.			

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
1	Excavation for road work upto required depth in any soil, rubble, aggregate, asphalt, concrete, khandki pavement etc. or any other strata met with including removal of rank vegetation, shoring, bailing out water, rolling and consolidating the formation by 8-10 tonnes capacity road roller including filling in with selected excavated materials wherever directed including stacking the surplus excavated material within a lead of 100 Mtrs. including cost of fencing, lighting & watching etc. complete as directed.	867.00	Cu.M.
2	Dressing the excavated surface to required grade and camber including making good the undulations, consolidating with 8 to 10 tonnes capacity road roller etc. complete as specified and as directed.	5.46	Sq.M.
3	Providing and laying approved quality rubble packing hand set in two layers as directed including filling the interstices with stone chips/ grit/ stone dust etc. watering, rolling and consolidating with 8 to 10 tonnes capacity road roller complete as specified and as directed.		
	(a) 250 mm thick	322.00	Sq.M.
	(b) 150 mm thick	218.00	Sq.M.
4	Laying only, rubble packing hand set including filling the interstices with stone chips/ grit/ stone dust etc. watering, rolling and consolidating with 8 to 10 tonnes capacity road roller complete as specified and as directed.		
	(a) 250 mm thick	135.00	Sq.M.
	(b) 150 mm thick	97.00	Sq.M.
5	Providing and laying 160 mm thick sub-base, made up of 40 mm to 90 mm size stone metal of approved quality on top of formation in two layers, each layer laid to 120 mm thickness and consolidated to 80 mm thickness including filling interstices with grit, stone dust, brick powder etc. and rolling with 8 to 10 tonnes capacity road roller complete as specified and as directed.	402.00	Sq.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
6	Laying only, 160 mm thick sub-base using stone metal 40 mm to 90 mm size, obtained by breaking old stones available at site from excavation etc. including clearing the stone metal of dirt, dust etc., laying the cleaned stone metal on top of the formation in two layers, each layer laid to 120 mm thickness -- do -- as in Item No.5 above.	130.00	Sq.M.
7	Providing and laying 240 mm thick sub-base, made up of 40 mm to 90 mm size stone metal of approved quality, on top of formation in two layers, each layer laid to 160 mm thickness and consolidated to 120 mm thickness including filling interstices with grit, stone dust, brick powder etc. and rolling with 8 to 10 tonnes capacity road roller complete as specified and as directed.	536.00	Sq.M.
8	Laying only, 240 mm thick sub-base using stone metal 40 mm to 90 mm size, obtained by breaking old stones available at site from excavation etc. including cleaning the stone metal of dirt, dust, etc., laying the cleaned stone metal on top of the formation in two layers each layer laid to 160 mm thickness and -- do -- as in Item No.7 above.	191.00	Sq.M.
9	Providing and laying 360 mm thick metal sub-base made up of 40 mm to 90 mm size metal of approved quality on top of formation in three layers, each layer laid to 160 mm thickness and consolidated to 120 mm thickness including filling interstices with grit, stone dust, brick powder etc and rolling with 8 to 10 tonnes capacity road roller complete as specified and as directed.	682.00	Sq.M.
10	Laying only, 360 mm thick metal sub-base, using stone metal 40 mm to 90 mm size, obtained by breaking old stones available at site from excavation etc., including cleaning the stone metal of dirt, dust etc. laying the cleaned stone metal on the top of the formation in three layers, each layer laid to 160 mm thickness and -- do -- -- do -- as in Item No.9 above.	186.00	Sq.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
11	Providing and laying 40 mm to 90 mm size stone metal of approved quality to required thicknesses on top of the formation in layers, each layer laid to thickness as directed but not exceeding 120 mm and consolidated to about 2/3rd thickness of the thickness of loose layer including filling the interstices with grit/ stone dust/ sand/ brick powder etc. and rolling with 8 to 10 tonnes capacity road roller complete as specified and as directed (Payment will be made for consolidated volume).	2,240.00	Cu.M.
12	Laying only, 40 mm to 90 mm size stone metal to required thicknesses using stone metal obtained by breaking stones available at site from excavation etc., including cleaning the stone metal of dust, dirt etc., laying on top of the formation in layers, each layer laid to thickness as directed -- do -- do -- as in Item No.11 above.	792.00	Cu.M.
13	Providing and laying waterbound macadam (WBM) layer of 80 mm consolidated thickness comprising of 40 to 63 mm size metal of approved quality laid to a depth of 120 mm and consolidated to thickness of 80 mm by means of 8 to 10 tonnes capacity road roller including watering, blending with sand, stone dust, grit, brick powder etc. complete as specified and as directed.	264.00	Sq.M.
14	Providing and laying water bound macadam (WBM) layer of 100 mm consolidated thickness comprising of 40 to 63 mm size metal of approved quality laid to a depth of 150 mm and consolidated to thickness of 100 mm by means of 8 to 10 tonnes capacity road roller including watering, blending with sand, stone dust, grit, brick powder etc. complete as specified and as directed.	332.00	Sq.M.
15	Providing and laying waterbound macadam (WBM) layer of 120 mm consolidated thickness comprising of 40 to 63 mm size metal of approved quality laid to a depth of 160 mm and consolidated to thickness of 120 mm by means of 8 to 10 tonnes	345.00	Sq.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
	capacity road roller including watering, blending with sand, stone dust, grit, brick powder etc. complete as specified and as directed.		
16	Providing and laying water bound macadam (WBM) of different consolidated thicknesses comprising of 40 to 63 mm size metal of approved quality laid to thickness as directed and consolidated by means of 8 to 10 tonnes capacity road roller to about 2/3rd of loose layer thickness including watering, blending with sand/ stone dust/ grit/ brick powder etc. complete as specified and as directed (Payment will be made for consolidated volume).	3,321.00	Cu.M.
17	Laying only, water bound macadam (WBM) of different consolidated thicknesses using 40 to 63 mm size metal obtained by breaking old stones available at site from excavation etc., including cleaning the stone metal of dust, dirt etc., laying to thickness as directed and consolidating to about 2/3rd thickness of loose layer thickness including watering -- do -- do -- as in Item No.16 above.	1,392.00	Cu.M.
18	Providing and spreading stone dust on metal layer for blendage including watering, rolling, removing the excess stone dust etc. complete as directed.	86.00	Sq.M.
19	Providing and laying full grout paving with 100 mm consolidated thick metal layer comprising of 40 to 63 mm size metal, laid to a thickness of 150 mm and consolidated by means of 8 to 10 tonnes capacity road roller and full grouting the same with hot bitumen (grade:60/70) at the rate of 7.5 Kgs./Sq.M., spreading stone chips on grouted surface at the rate of 1.83 Cu.M. per 100 Sq.M. and rolling with 8 to 10 tonnes capacity road roller, spreading hot bitumen (grade:60/70) at the rate of 1.75 Kgs./Sq.M., spreading stone grit at the rate of 1.22 Cu.M. per 100 Sq.M. and finally rolling with 8 to 10 tonnes capacity road roller etc. complete as specified and as directed.	705.00	Sq.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
20	Providing seal coat over the existing road surface including cleaning the existing surface, spraying hot bitumen (grade:80/100) at the rate of 1.75 Kgs./Sq.M. at a temperature of 177 Degrees Celcius, binding the same with 6 mm size grit at the rate of 1.22 Cu.M. per 100 Sq.M. and finally rolling with road roller of 8 to 10 tonnes capacity etc. complete as specified and as directed.	121.00	Sq.M.
21	Providing and laying pre-mix seal coat consisting of 7% to 8% bitumen, 86% to 87% grit and 6% filler all by weight including cleaning the surface, applying tack coat at 0.50 Kg./Sq.M., rolling with 8 to 10 tonnes capacity road roller, finishing etc. complete to required grade and camber as directed.		
	(a) Bitumen grade:60/70 – 12 mm thick coat	172.00	Sq.M.
	(b) Bitumen grade:30/40 – 12 mm thick coat	184.00	Sq.M.
	(c) Bitumen grade:60/70	6,569.00	MT
	(d) Bitumen grade:30/40	7,028.00	MT
22	Providing and laying hot pre-mixed asphaltic macadam (Bitumen grade:60/70) with approved anti-stripping agent at the rate of 0.5% of the bitumen content by weight, in required thickness in regulating course and rolling with 8 to 10 tonnes capacity road roller including cleaning the surface, etc. complete as specified and as directed (Note: The quantity under this item shall be paid for in terms of weight of asphaltic macadam actually laid).	3,381.00	MT
22a	Supplying hot pre-mixed asphaltic macadam (bitumen grade:60/70) with approved anti-stripping agent at the rate of 0.50% of bitumen content by weight as directed at various places in MbPT estates etc. complete as directed (<i>only supplying</i>).	3,178.00	MT
23	Providing and laying hot pre-mixed asphaltic concrete wearing course (Bitumen grade:60/70) with approved anti-stripping agent at the rate of 0.50% of the bitumen content by weight, of required thickness as directed and rolling with 8 to	4,702.00	MT

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
	10 tonnes capacity road roller including cleaning the surface etc. complete as specified and as directed (Note: The quantity under this item shall be paid for in terms of weight of asphaltic concrete actually laid).		
23a	Supplying hot pre-mixed asphaltic concrete (bitumen grade:60/70) with approved anti-stripping agent at the rate of 0.50% of bitumen content by weight as directed at various places in MbPT estates etc. complete as directed (<i>only supplying</i>).	4,491.00	MT
24	Providing and laying 20 mm thick pre-mixed asphalt chip coat consisting of 72% 12 mm size stone chips, 24% grit and 4% bitumen all by weight including cleaning the surface, applying tack coat @0.73 to 0.98 Kg./Sq.M., rolling with 8 to 10 tonnes capacity road roller, finishing etc. complete to required grade and camber as directed.		
	(a) Bitumen grade:60/70 – 20 mm thick coat	219.00	Sq.M.
	(b) Bitumen grade:30/40 – 20 mm thick coat	218.00	Sq.M.
	(c) Bitumen grade:60/70	5,475.00	MT
	(d) Bitumen grade:30/40	5,450.00	MT
25	Providing and laying 50 mm thick mastic asphalt for road work including tack coat as per the specifications and as directed.	1,442.00	Sq.M.
26	Providing and laying 25 mm thick mastic asphalt for the flooring of galleries of the sheds and wherever directed including tack coat etc. complete as per specifications and as directed.	805.00	Sq.M.
27	Paving with RCC (1:1.5:3) or M20 grade concrete to required thickness as directed, laid to required slope and camber including vibrating, tampering, shuttering, finishing, curing and filling expansion joints with asphalt and sand etc. complete as specified and as directed but excluding reinforcement.	6,814.00	Cu.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
28	Paving with plain cement concrete (1:2:4) or M15 grade to required thickness as directed, laid to required slope and camber including vibrating, tampering, shuttering, finishing, curing and filling expansion joints with asphalt and sand etc. complete as specified and as directed.	6,149.00	Cu.M.
29	Providing and laying plain cement concrete (1:3:6) or M10 grade as lean concrete in layers of required thickness below water mains, storm water drains, foundations etc. wherever directed including form work, vibrating, curing etc. complete as specified and as directed.	5,597.00	Cu.M.
30	Providing and laying plain cement concrete (1:1.5:3) or M20 grade in encasement of service pipes etc. and wherever directed including form work, vibrating, curing etc. complete as specified and as directed.	6,550.00	Cu.M.
31	Providing and laying cement concrete in road slab laid to required slope and camber including form work, mixing, compacting with power driven screed and needle vibrators including finishing the top by brooming, applying 2 coats of sodium silicate as specified and finishing, curing including providing grooves for contraction and construction joints etc. complete as directed.		
	(a) Concrete grade:M30	7,051.00	Cu.M.
	(b) Concrete grade:M40	7,302.00	Cu.M.
32	Providing and laying cement concrete in road slab laid to the required slope and camber as shown on the drawing including form work, mixing, compacting by power driven screed and needle vibrators including removing extra water rising on the surface by vacuum de-watering equipment similar to that manufactured by M/s.Jamshedji Construction Machinery Co. or equivalent finishing the top with brooms, applying 2 coats of sodium silicate as specified and finishing, curing including providing grooves for contraction/ construction joints etc. complete as directed.		
	(a) Concrete grade:M30	7,486.00	Cu.M.
	(b) Concrete grade:M40	7,737.00	Cu.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
33	Providing and laying in position 75 micron polythene sheet including overlaps (to be not less than 100 mm) over the WBM complete as specified and as directed (Overlaps will not be paid for).	30.00	Sq.M.
34	Providing and fixing in position pre-moulded asphaltic filler 20 mm thick for expansion joints at 32 Mtrs. centres to the required depth and camber as directed including filling top 20 mm with air blown bitumen 10/20 penetration complete as directed.	168.00	Mtr.
35	Filling the joints of concrete slab with air blown bitumen 10/20 penetration including cleaning the joints with compressed air, brushing etc. complete as directed.	58.00	Mtr.
36	Machine cutting groove 10 mm wide and 60 mm deep in the concrete surface for construction/ contraction joints and longitudinal joints etc. complete as directed.	64.00	Mtr.
37	Providing and fixing in position high yield strength deformed bar reinforcement in RCC work including cutting, bending, placing in position, tack welding etc. complete in roads, drains, pre-cast slabs etc. as specified and as directed (No payment will be made for binding wire).	6,374.00	qntl.
38	Providing and fixing in position plain mild steel reinforcement including cutting, bending, placing in position, tack welding etc. complete in roads, drains, pre-cast slab etc. as specified and as directed (No payment will be made for binding wire).	6,080.00	qntl.
39	Providing and fixing in position plain m.s. dowel bars and tie bars wherever directed including cutting, bending, handling, straightening, treating with bond breaking agent for transverse, expansion and contraction joints and providing waterproof caps, filling the same with approved compressible materials for expansion joints etc. as directed (No extra payment will be made for applying bitumen bond breaking agent, providing waterproof caps and binding wire).	6,080.00	qntl.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
40	Supplying, fabricating and fixing in position m.s. angles of 75X75X6 mm size in between the rails of railway track to maintain the correct distance gauge between the rails including welding, bolting and applying 3 coats of epoxy paint etc. complete as directed (Welds will not be measured for payment).	7,798.00	qntl.
41	Providing, fabricating and fixing in position 400X250X16 mm size bearing plates welded to the rails at 750 mm centres using suitable electrodes, fixing the plates in concrete by means of 4 Nos. of 16 mm dia. H.D. bolts as directed including painting with 3 coats of epoxy paint etc. complete (No separate payment will be made for welding. Bolts will be paid for separately).	7,798.00	qntl.
42	Providing and fixing 16 mm dia. H.D. bolts 350 mm long including nuts, check nuts etc. complete as shown on drawing or as directed.	103.00	Each
43	Providing during the currency of contract wooden barricade 1.5 Mtr. high consisting of 100 mm wooden bully posts fixed at 1.5 Mtr. centres and 2 Nos. continuous horizontal members of 75 mm dia. wooden bullies fixed to the vertical posts including excavation, embedding and fixing the vertical posts firmly in the ground or by providing artificial foundation viz. filled-in drums etc., flags and lanterns at each corner of the barrier, maintaining the barricade in proper condition including repairs to damaged members and removal of the barricade on completion of the work etc. as directed (The material of barricade shall remain the property of the contractor).	211.00	Mtr.
44	Dismantling the wooden barricade provided under Item No.43 above and re-erecting at another location/ site including shifting the materials, excavation, re-fixing, replacing any damaged wooden bullies etc., maintaining the barricade etc. complete as per Item No.43 above.	103.00	Mtr.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
45	Providing and laying kerb stones 450 to 600 mm long, 150 mm wide and 375 mm deep, chiesel dressed on all exposed surfaces laid on c.c. (1:3:6) 300 mm wide x 150 mm thick bedding including setting in C.M. (1:3) and cement pointing (1:1), curing etc. complete as specified and as directed but excluding excavation.	576.00	Mtr.
46	Providing and laying only stone water tables 300 mm long x 375 mm wide, medium dressed on all exposed faces set in C.M.(1:3) and laid on 150 mm thick cement concrete (1:3:6) bedding including cement pointing (1:1), curing etc. complete as directed.	741.00	Mtr.
47	Providing and fixing in position pre-cast C.C. (1:2:4) or M-15 grade kerb blocks 450 mm long x 150 mm wide and 375 mm deep laid on C.C. (1:3:6) or M-10 grade 300 mm x 150 mm thick including setting in C.M. (1:3) and cement pointing (1:1), form work, curing etc. complete as specified and as directed but excluding excavation.	777.00	Mtr.
48	Providing and fixing in position pre-cast C.C. (1:2:4) or M-15 grade water tables 150 mm thick x 300 mm wide and of suitable length, fixed to required slope and grade in C.M. (1:3) and laid on 150 mm thick, C.C. (1:3:6) bedding including cement pointing (1:1), curing etc. complete as specified and as directed but excluding excavation.	694.00	Mtr.
49	Supplying and paving with set stones 150 to 225 mm long x 100 mm deep on 25 mm sand floating and set in cement mortar (1:3) including cement pointing and cement concrete (1:3:6) bedding 150 mm thick etc. complete as specified and as directed but excluding excavation.	1,380.00	Sq.M.
50	Removing asphaltic courses by milling machine in layers including transporting the removed materials outside the MbPT Estates complete as directed.		
	(a) For milling depth upto 55 mm	122.00	Sq.M.
	(b) For subsequent each 5 mm depth	11.00	Sq.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
51	Removing and re-fixing in proper alignment and to required slope the existing water table in C.C. (1:3:6) 150 mm thick bedding including cement pointing the joints in C.M. (1:2), curing etc. complete as directed.	589.00	Mtr.
52	Providing and applying bitumen (grade:80/100) tack coat at the rate of 0.5 Kg./Sq.M. of bitumen before laying asphaltic macadam or asphaltic concrete including cleaning the surface etc. complete as directed.	35.00	Sq.M.
53	Providing and laying approved coloured (other than grey) cement concrete interlocking paver blocks including bedding with sand of minimum thickness of 50 mm and filling of joints with fine sand etc. complete as directed.		
	(a) 100 mm thick	1,031.00	Sq.M.
	(b) 80 mm thick	962.00	Sq.M.
	(c) 60 mm thick	820.00	Sq.M.
54	Providing and laying approved coloured (other than grey) cement concrete interlocking paver blocks including bedding with sand of minimum thickness of 50 mm and filling of joints with fine sand etc. complete as directed.		
	(a) 100 mm thick	1,007.00	Sq.M.
	(b) 80 mm thick	917.00	Sq.M.
	(c) 60 mm thick	767.00	Sq.M.
55	Supplying pre-mixed asphaltic chip coat at various places in MbPT estates consisting of 72% 12 mm size stone chips, 24% grit, 4% bitumen (bitumen grade:30/40) all by weight etc. complete as directed (<i>only supplying</i>).	3,902.00	MT
56	Supplying hot pre-mixed asphaltic macadam (bitumen grade:30/40) with approved anti-stripping agent at the rate of 0.50% of bitumen content by weight as directed at various places in MbPT estates etc. complete as directed (<i>only supplying</i>).	3,032.00	MT

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
57	Providing and laying hot pre-mixed asphaltic macadam (bitumen grade:30/40) with approved anti-stripping agent at the rate of 0.50% of bitumen content by weight, laid to the required thickness in regulating course and rolling with 8-10 tonnes capacity road roller, cleaning the road surface and laid in required grade and camber etc. complete as directed.	3,187.00	MT
58	Supplying hot pre-mixed asphaltic concrete (bitumen grade:30/40) with approved anti-stripping agent at the rate of 0.50% of bitumen content by weight as directed at various places in MbPT estates etc. complete as directed <i>(only supplying)</i> .	4,426.00	MT
59	Providing and laying hot pre-mixed asphaltic concrete wearing course (bitumen grade:30/40) with approved anti-stripping agent at the rate of 0.50% of bitumen content by weight to the required thickness as directed and rolling with 8-10 tonnes capacity road roller including cleaning the surfaces and laid to required grade and camber etc. complete as directed.	4,582.00	MT
60	Fixing in position pre-cast cement concrete divider blocks, which are available at MbPT estate, on cement concrete (1:3:6) 450X150 mm thick including setting in CM (1:3) and cement pointing in CM (1:1), curing, excavation as required etc. complete as directed.	303.00	Mtr.
61	Providing and fixing in position pre-cast cement concrete M20 grade divider blocks (300X400X450 mm long) as directed, laid on cement concrete (1:3:6) 450X150 mm thick including setting in CM (1:3) and cement pointing in CM (1:1) including finishing smooth the surface and curing, boxing, compacting the divider blocks or kerb blocks/ water tables with vibrator including necessary excavaton etc. complete as specified as directed.	8,248.00	Cu.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
62	Removing carefully the existing water tables/ kerb stones including cleaning of mortar and re-fixing the same to the required line and level over the concrete as directed and pointing with CM (1:3), curing etc. complete as directed.	129.00	Mtr.
63	Removing carefully existing concrete divider blocks, cleaning of old mortar etc., transporting and carefully stacking the same at site for reusing in the work including providing necessary security arrangement etc complete as directed.	89.00	Mtr.
64	Removing existing mastic asphalt of any thickness and stacking the debris within a lead of 100 Mtrs. complete as directed.	171.00	Sq.M.
65	Extra over rate for using vibratory road roller instead of 8 to 10 tonnes capacity road roller in any item of work.	7.00	Sq.M.
66	Excavation for road work manually/ using JCB/ mechanical equipment upto required depth in any type of strata such as soil, asphaltic pavement, khandki pavement, rubble, aggregate, etc. including shoring, bailing out water, rolling and compacting the formation by 8 to 10 tonnes vibratory roller including filling in selected excavated material, segregating the useful material for reuse as directed & taking away surplus excavated material out side of MbPT Estate etc. complete as specified and as directed.	923.00	Cu.M.
67	Supplying and fixing 22 gauge GI corrugated sheets of size 10 X 3 feet to the wooden barricades provided under separate item or re-erected under separate item etc. complete as directed (GI sheets shall be the property of contractor and contractor shall make all security arrangement for protecting the same).	268.00	Mtr.
68	Dismantling the GI sheets barricade and re-erecting the same at another location at site including repairing the same as required, re-fixing, replacing any damaged elements as necessary and maintaining the barricade, etc. complete as directed.	58.00	Mtr.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
69	Providing and laying sub-base comprising of 40 to 90 mm size stone metal of approved quality on top of the formation in layers, each layer laid to thickness as directed but not exceeding 120 mm and consolidating the same by means of 8 to 10 tonnes vibratory roller to about 2/3rd of loose layer thickness including filling the interstices with grit, stone dust, sand, brick powder etc. complete as specified and directed.	2,394.00	Cu.M.
70	Laying only 40 to 90 mm size stone metal available from site during excavation, in sub-base on top of the formation in layers, each layer laid to thickness as directed but not exceeding 120 mm and consolidated to about 2/3rd thickness of the thickness of loose layer including filling the interstices with grit, stone dust, sand, brick powder etc. and rolling with 8 to 10 tonnes vibratory roller etc. complete as specified and directed.	964.00	Cu.M.
71	Providing and laying water bound macadam comprising of 40 to 63 mm size metal of approved quality laid to thickness as directed and consolidating by means of 8 to 10 tonnes vibratory roller to about 2/3rd of loose layer thickness including filling the interstices, watering, blending with sand, stone dust, grit, brick powder etc. complete as specified and as directed.	3,567.00	Cu.M.
72	Laying only water bound macadam of any consolidated thicknesses depending upon the site condition using available metal at site including breaking to the required sizes if required as approved and laying and consolidating by means of 8 to 10 tonnes vibratory roller to about 2/3rd of loose layer thickness including filling the interstices, watering, blending with sand, stone dust, grit, brick powder etc. complete as specified and as directed.	1,693.00	Cu.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
73	Providing and laying M10 grade ready mix cement concrete procured from approved RMC plant in leveling course, bedding etc. of required thickness, transporting by transit mixer including form work, vibrating with plate vibrator, curing etc. complete as specified and as directed.	4,776.00	Cu.M.
74	Providing and laying M40 grade ready mix cement concrete procured from approved RMC plant in bays of cement concrete road pavement of required thickness, transported by transit mixer including all necessary form work, compacting by power driven screed, plate and needle vibrators including finishing the top with brooming, making vatas in cement mortar (1:10) in approximately 0.6 m x 0.6 m grid, curing by ponding water in vatas and applying the sides of slab with hot bitumen or black japan paint etc. complete as specified and as directed.	6,277.00	Cu.M.
75	Providing and fixing HDPE pipe of 40 mm dia. or nearest available size of approved make to fit around the dowel bars of 32 mm dia. at the end of expansion joint including applying grease to the pipes and dowel bars, providing glass wool or cotton waste caps etc. complete as specified and as directed.	205.00	Mtr.
76	Providing and laying M10 grade ready mix cement concrete procured from approved RMC plant, transported by transit mixer and placing in foundation of drain etc. including steel shuttering, compacting by power driven needle vibrator, leveling, curing with wet hessian cloth complete etc. as specified and as directed.	4,792.00	Cu.M.
77	Providing and fixing in position pre-cast cement concrete M20 grade double headed divider blocks (500X400X450mm), single headed divider blocks (300X400X450mm), kerb blocks (150X375X450mm), water table (300X200X450mm) including laying to required level on cement concrete (1:3:6) bedding as	8,216.00	Cu.M.

XV - Road Work

Sr. No.	Item Description	Rate in `	Unit
	required or as directed, setting in cement mortar (1:3) and cement pointing in cement mortar (1:1), curing, etc. complete as specified or as directed.		
78	Construction of RCC water gully of size 750X750mm clear internal opening in plan and at required depth including excavation, 150mm rubble packing, 75mm thick cement concrete (1:3:6) in foundation, 150mm thick RCC (1:1.5:3) in bottom slab and 150mm thick RCC (1:1.5:3) in side wall including reinforcement, shuttering, finishing smooth the inside surface with neat cement coat, curing etc. complete as specified and as directed.	11,235.00	Each
79	Providing, fabricating and fixing in position watergully grating with steel frame made from structural steel members and grating made up of used rails (to be supplied by MbPT free of cost) for drain etc. complete as specified and as directed (Note: Rate shall be inclusive of transporting the old rails from MbPT Store i.e. any where in MbPT estate).	9,646.00	Each
80	Providing and laying M40 grade ready mix cement concrete procured from approved RMC plant in kerb beam, central beam, transported by transit mixer including all necessary form work, compacting by power driven needle vibrator including finishing the top with brooming, curing with wet hessian cloth etc. complete as specified and as directed.	6,659.00	Cu.M.

Rate Analysis for 10.00 Cu.M. of Item:
Excavation for road work etc.

Corresponding Item No. 1 of Section -XV of MbPT SOR 2014
 New Item No. 1 of Section -XV
 NBO Ref. No.4.2a Page:51 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for 8-10T road roller (for 1/10 day)	0.10	Day	5508.49	550.85	1.	Excavator	1.410	Nos.	498.08	702.29	
2.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	2.	Breaker	3.180	Nos.	498.08	1583.89	
						3.	Hole driller	0.710	No.	498.08	353.64	
						4.	Mazdoor-Male	7.470	Nos.	478.85	3577.01	
TOTAL (M) =Rs.					630.85	TOTAL (L) =Rs.					6216.83	

Total of (M) + (L) =	(I)	= `	6847.68	Total = (I) + (II) =	(III)	= `	7989.09
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	684.77
Add: Allowance for PF @13.61% of (L)		= `	846.11	Grand Total	=	(III)+(IV)= `	8673.86
Add: Allowance for Employee' insurance @4.75% of (L)		= `	295.30	This is cost for	10.00	Cu.M.	
Total of allowances =	(II)	= `	1141.41	Therefore, Unit cost	=		
				8673.86 ÷	10.00	=Rs.	867.39
			Say Rs.	867.00	per	Cu.M.	

Rate Analysis for 100.00 Sq.M. of Item:
Dressing the excavated surface to required grade and camber etc.

Corresponding Item No. 2 of Section -XV of MbPT SOR 2014
 New Item No. 2 of Section -XV
 NBO Ref. No.26.16(b)&26.75(e) Page:639&698 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for road roller-8 to 10T capacity	0.050	Day	5508.49	275.42	1.	Chowkidar	0.010	No.	498.08	4.98	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.100	No.	478.85	47.89	
						3.	Mazdoor-Male for dressing surface	0.270	No.	478.85	129.29	
TOTAL (M) =Rs.					283.42	TOTAL (L) =Rs.					182.16	

Total of (M) + (L) =	(I)	= `	465.58	Total = (I) + (II) =	(III)	= `	499.02
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	46.56
Add: Allowance for PF @13.61% of (L)		= `	24.79	Grand Total	=	(III)+(IV)= `	545.58
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.65	This is cost for 100.0 Sq.M.			
Total of allowances =	(II)	= `	33.44	Therefore, Unit cost	=		
			Say Rs. 5.46 per Sq.M.	545.58 ÷ 100.0	=Rs.		5.46

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying rubble packing & rolling with 8 to 10 T road roller etc.
(a) 250 mm thick

Corresponding Item No. 3a of Section -XV of MbPT SOR 2014
 New Item No. 3a of Section -XV
 NBO Ref. No.26.17(III)&26.18(III) Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Soling stone	2.50	Cu.M.	538.98	1347.46	1.	Mate	0.150	No.	478.85	71.83	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.360	No.	478.85	172.39	
3.	Hire charges - road roller	0.012	Day	5508.49	66.10	3.	Mazdoor-Male	1.500	No.	478.85	718.28	
4.	Sundries & carriage		Lumpsum		80.00	4.	Chowkidar	0.012	No.	498.08	5.98	
TOTAL (M) =Rs.					1792.93	TOTAL (L) =Rs.					968.47	

Total of (M) + (L) =	(I)	= `	2761.39	Total = (I) + (II) =	(III)	= `	2939.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	276.14
Add: Allowance for PF @13.61% of (L)		= `	131.81	Grand Total	=	(III)+(IV)= `	3215.34
Add: Allowance for Employee' insurance @4.75% of (L)		= `	46.00	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	177.81	Therefore, Unit cost	=		
				3215.34 ÷ 10.0	=Rs.		321.53
			Say Rs. 322.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying rubble packing & rolling with 8 to 10 T road roller etc.
(b) 150 mm thick

Corresponding Item No. 3b of Section -XV of MbPT SOR 2014
 New Item No. 3b of Section -XV
 NBO Ref. No.26.17(II)&26.18(II) Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Soling stone	1.50	Cu.M.	538.98	808.48	1.	Mate	0.100	No.	478.85	47.89	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.270	No.	478.85	129.29	
3.	Hire charges - road roller	0.009	Day	5508.49	49.58	3.	Mazdoor-Male	1.050	No.	478.85	502.79	
4.	Sundries & carriage		Lumpsum		30.00	4.	Chowkidar	0.009	No.	498.08	4.48	
TOTAL (M) =Rs.					1187.42	TOTAL (L) =Rs.					684.45	

Total of (M) + (L) = (I) = ` 1871.87

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 93.15

Add: Allowance for Employee' insurance @4.75% of (L) = ` 32.51

Total of allowances = (II) = ` 125.66

Say Rs.

Total = (I) + (II) = (III) = ` 1997.53

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 187.19

Grand Total = (III)+(IV)= ` 2184.72

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 2184.72 ÷ 10.0 =Rs. 218.47

per Sq.M.

218.00

Rate Analysis for 10.00 Sq.M. of Item:
Laying only, rubble packing hand set including filling the interstices, rolling etc.
(a) 250 mm thick

Corresponding Item No. 4a of Section -XV of MbPT SOR 2014
 New Item No. 4a of Section -XV
 NBO Ref. No.26.17(III) Page:641 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.012	Day	5508.49	66.10	1.	Mate	0.150	No.	478.85	71.83	
2.	Sundries		Lumpsum		30.00	2.	Bhisti	0.360	No.	478.85	172.39	
						3.	Mazdoor-Male	1.500	No.	478.85	718.28	
						4.	Chowkidar	0.012	No.	498.08	5.98	
TOTAL (M) =Rs.					96.10	TOTAL (L) =Rs.					968.47	

Total of (M) + (L) =	(I)	= `	1064.57	Total = (I) + (II) =	(III)	= `	1242.38
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	106.46
Add: Allowance for PF @13.61% of (L)		= `	131.81	Grand Total	=	(III)+(IV)= `	1348.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	46.00	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	177.81	Therefore, Unit cost	=		
				1348.83	÷	10.0	=Rs. 134.88
			Say Rs. 135.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Laying only, rubble packing hand set including filling the interstices, rolling etc.
(b) 150 mm thick

Corresponding Item No. 4b of Section -XV of MbPT SOR 2014
New Item No. 4b of Section -XV
NBO Ref. No.26.17(II) Page:641 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.009	Day	5508.49	49.58	1.	Mate	0.100	No.	478.85	47.89	
2.	Sundries		Lumpsum		30.00	2.	Bhisti	0.270	No.	478.85	129.29	
						3.	Mazdoor-Male	1.050	No.	478.85	502.79	
						4.	Chowkidar	0.009	No.	498.08	4.48	
TOTAL (M) =Rs.					79.58	TOTAL (L) =Rs.					684.45	

Total of (M) + (L) =	(I)	= `	764.03	Total = (I) + (II) =	(III)	= `	889.69
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	76.40
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	93.15	Grand Total	=	(III)+(IV)= `	966.09
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	32.51	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	125.66	Therefore, Unit cost	=		
				966.09 ÷ 10.0	=Rs.		96.61
			Say Rs. 97.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing & laying 160mm thick sub-base made of 40mm to 90mm size stone metal, consolidating etc.

Corresponding Item No. 5 of Section -XV of MbPT SOR 2014
 New Item No. 5 of Section -XV
 NBO Ref. No.26.24&26.29 Page:645&650 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 90mm	2.40	Cu.M.	974.58	2338.99	1.	Mate	0.070	No.	478.85	33.52	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.350	No.	478.85	167.60	
3.	Hire charges - road roller	0.050	Day	5508.49	275.42	3.	Mazdoor-Male	0.710	No.	478.85	339.98	
4.	Sundries		Lumpsum		80.00	4.	Chowkidar	0.050	No.	498.08	24.90	
TOTAL (M) =Rs.					2993.78	TOTAL (L) =Rs.					566.00	

Total of (M) + (L) =	(I)	= `	3559.78	Total = (I) + (II) =	(III)	= `	3663.70
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	355.98
Add: Allowance for PF @13.61% of (L)		= `	77.03	Grand Total	=	(III)+(IV)= `	4019.68
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.89	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	103.92	Therefore, Unit cost	=		
				4019.68 ÷ 10.0	=Rs.		401.97
			Say Rs. 402.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Laying only 160mm thick sub-base etc.

Corresponding Item No. 6 of Section -XV of MbPT SOR 2014
 New Item No. 6 of Section -XV
 NBO Ref. No.26.29 Page:650 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.050	Day	5508.49	275.42	1.	Mate	0.070	No.	478.85	33.52	
2.	Sundries		Lumpsum		30.00	2.	Bhisti	0.350	No.	478.85	167.60	
						3.	Mazdoor-Male	0.710	No.	478.85	339.98	
						4.	Chowkidar	0.050	No.	498.08	24.90	
TOTAL (M) =Rs.					305.42	TOTAL (L) =Rs.					566.00	

Total of (M) + (L) = (I) = ` 871.43
Add: Allowance for Water charges @1% of (I) = ` 77.03
Add: Allowance for PF @13.61% of (L) = ` 26.89
Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 103.92
 Cost of Breaking = `150.00 per Cu.M.
 Breaking of 160mm thick stone metal/ Sq.M.
 150 X 0.16 = 24.00

Total = (I) + (II) = (III) = ` 975.35
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 87.14
 Grand Total = (III)+(IV)= ` 1062.49
 This is cost for 10.0 Sq.M.
 Therefore, Unit cost =
 1062.49 ÷ 10.0 =Rs. 106.25
Add: Cost of breaking stones =Rs. 24.00
 Total =Rs. 130.25

Say Rs. 130.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 240mm thick sub-base etc.

Corresponding Item No. 7 of Section -XV of MbPT SOR 2014
 New Item No. 7 of Section -XV
 NBO Ref. No.26.29(a) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 90mm	3.20	Cu.M.	974.58	3118.65	1.	Mate	0.100	No.	478.85	47.89	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.520	No.	478.85	249.00	
3.	Hire charges - road roller	0.074	Day	5508.49	407.63	3.	Mazdoor-Male	1.040	No.	478.85	498.00	
4.	Sundries		Lumpsum		80.00	4.	Chowkidar	0.074	No.	498.08	36.86	
TOTAL (M) =Rs.					3905.65	TOTAL (L) =Rs.					831.75	

Total of (M) + (L) =	(I)	= `	4737.40	Total = (I) + (II) =	(III)	= `	4890.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	473.74
Add: Allowance for PF @13.61% of (L)		= `	113.20	Grand Total	=	(III)+(IV)= `	5363.84
Add: Allowance for Employee' insurance @4.75% of (L)		= `	39.51	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	152.71	Therefore, Unit cost	=		
				5363.84 ÷ 10.0	=Rs.		536.38
			Say Rs. 536.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Laying only 240mm thick sub-base etc.

Corresponding Item No. 8 of Section -XV of MbPT SOR 2014
 New Item No. 8 of Section -XV
 NBO Ref. No.26.29(a) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.074	Day	5508.49	407.63	1.	Mate	0.100	No.	478.85	47.89	
2.	Sundries		Lumpsum		30.00	2.	Bhisti	0.520	No.	478.85	249.00	
						3.	Mazdoor-Male	1.040	No.	478.85	498.00	
						4.	Chowkidar	0.074	No.	498.08	36.86	
TOTAL (M) =Rs.					437.63	TOTAL (L) =Rs.					831.75	

Total of (M) + (L) = (I) = ` 1269.38
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 152.71
 Cost of Breaking = ` 150.00 per Cu.M.
 Breaking of 160mm thick stone metal/ Sq.M.
 150 X 0.24 = 36.00

Total = (I) + (II) = (III) = ` 1422.09
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 126.94
 Grand Total = (III)+(IV)= ` 1549.02
 This is cost for 10.0 Sq.M.
 Therefore, Unit cost =
 1549.02 ÷ 10.0 =Rs. 154.90
Add: Cost of breaking stones =Rs. 36.00
 Total =Rs. 190.90

Say Rs. 191.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 360mm metal sub-base etc.

Corresponding Item No. 9 of Section -XV of MbPT SOR 2014
 New Item No. 9 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 90mm	4.80	Cu.M.	974.58	4677.98	1.	Mate	0.100	No.	478.85	47.89	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.240	No.	478.85	114.92	
3.	Hire charges - road roller	0.067	Day	5508.49	369.07	3.	Mazdoor-Male	1.040	No.	478.85	498.00	
4.	Sundries		Lumpsum		80.00	4.	Chowkidar	0.012	No.	498.08	5.98	
TOTAL (M) =Rs.					5426.41	TOTAL (L) =Rs.					666.79	

Total of (M) + (L) =	(I)	= `	6093.20	Total = (I) + (II) =	(III)	= `	6215.63
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	609.32
Add: Allowance for PF @13.61% of (L)		= `	90.75	Grand Total	=	(III)+(IV)= `	6824.95
Add: Allowance for Employee' insurance @4.75% of (L)		= `	31.67	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	122.42	Therefore, Unit cost	=		
				6824.95 ÷ 10.0	=Rs.		682.49
			Say Rs. 682.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Laying only 360mm metal sub-base etc.

Corresponding Item No. 10 of Section -XV of MbPT SOR 2014
 New Item No. 10 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.067	Day	5508.49	369.07	1.	Mate	0.100	No.	478.85	47.89	
2.	Sundries		Lumpsum		50.00	2.	Bhisti	0.240	No.	478.85	114.92	
						3.	Mazdoor-Male	1.040	No.	478.85	498.00	
						4.	Chowkidar	0.012	No.	498.08	5.98	
TOTAL (M) =Rs.					419.07	TOTAL (L) =Rs.					666.79	

Total of (M) + (L) =	(I)	= `	1085.86
Add: Allowance for Water charges @1% of (I)		= `	
Add: Allowance for PF @13.61% of (L)		= `	90.75
Add: Allowance for Employee' insurance @4.75% of (L)		= `	31.67
Total of allowances =	(II)	= `	122.42
Cost of Breaking = ` 150.00 per Cu.M.			
Breaking of 160mm thick stone metal/ Sq.M.			
150	X	0.36	= 54.00

Total = (I) + (II) =	(III)	= `	1208.28
Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	108.59
Grand Total	=	(III)+(IV)= `	1316.87
This is cost for 10.0 Sq.M.			
Therefore, Unit cost	=		
1316.87 ÷ 10.0	=Rs.		131.69
Add: Cost of breaking stones	=Rs.		54.00
Total	=Rs.		185.69

Say Rs. 186.00 per Sq.M.

Rate Analysis for 2.40 Cu.M. of Item:
Providing and laying 40mm to 90mm size stone metal in layers not more than 120mm and consolidating with 8 to 10 T road roller etc.

Corresponding Item No. 11 of Section -XV of MbPT SOR 2014
 New Item No. 11 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 90mm	3.20	Cu.M.	974.58	3118.65	1.	Mate	0.100	No.	478.85	47.89	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.520	No.	478.85	249.00	
3.	Hire charges - road roller	0.074	Day	5508.49	407.63	3.	Mazdoor-Male	1.040	No.	478.85	498.00	
4.	Sundries		Lumpsum		90.00	4.	Chowkidar	0.074	No.	498.08	36.86	
TOTAL (M) =Rs.					3915.65	TOTAL (L) =Rs.					831.75	

Total of (M) + (L) =	(I)	= `	4747.40	Total = (I) + (II) =	(III)	= `	4900.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	474.74
Add: Allowance for PF @13.61% of (L)		= `	113.20	Grand Total	=	(III)+(IV)= `	5374.84
Add: Allowance for Employee' insurance @4.75% of (L)		= `	39.51	This is cost for 2.4 Cu.M.			
Total of allowances =	(II)	= `	152.71	Therefore, Unit cost	=		
				5374.84 ÷ 2.4	=Rs.		2239.52
			Say Rs. 2240.00	per Cu.M.			

Rate Analysis for 2.40 Cu.M. of Item:
Laying only 40mm to 90mm size stone metal sub-base of required thickness etc.

Corresponding Item No. 12 of Section -XV of MbPT SOR 2014
 New Item No. 12 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	1.	Mate	0.100	No.	478.85	47.89	
2.	Hire charges - road roller	0.074	Day	5508.49	407.63	2.	Bhisti	0.520	No.	478.85	249.00	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor-Male	1.040	No.	478.85	498.00	
						4.	Chowkidar	0.074	No.	498.08	36.86	
TOTAL (M) =Rs.					756.99	TOTAL (L) =Rs.					831.75	

Total of (M) + (L) =	(I)	= `	1588.74	Total = (I) + (II) =	(III)	= `	1741.45
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	158.87
Add: Allowance for PF @13.61% of (L)		= `	113.20	Grand Total	=	(III)+(IV)= `	1900.33
Add: Allowance for Employee' insurance @4.75% of (L)		= `	39.51	This is cost for 2.4 Cu.M.			
Total of allowances =	(II)	= `	152.71	Therefore, Unit cost	=		
				1900.33 ÷ 2.4	=Rs.		791.80
			Say Rs. 792.00	per Cu.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying WBM layer 80mm consolidated thickness etc.

Corresponding Item No. 13 of Section -XV of MbPT SOR 2014
 New Item No. 13 of Section -XV
 NBO Ref. No.26.30(a) Page:651 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 63mm	1.20	Cu.M.	1135.60	1362.72	1.	Mate	0.050	No.	478.85	23.94	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.260	No.	478.85	124.50	
3.	Hire charges - road roller	0.037	Day	5508.49	203.81	3.	Mazdoor-Male	0.520	No.	478.85	249.00	
4.	Sundries		Lumpsum		50.00	4.	Chowkidar	0.037	No.	498.08	18.43	
TOTAL (M) =Rs.					1915.90	TOTAL (L) =Rs.					415.87	

Total of (M) + (L) =	(I)	= `	2331.77	Total = (I) + (II) =	(III)	= `	2408.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	233.18
Add: Allowance for PF @13.61% of (L)		= `	56.60	Grand Total	=	(III)+(IV)= `	2641.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	19.75	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	76.35	Therefore, Unit cost	=		
				2641.30 ÷ 10.0	=Rs.		264.13
			Say Rs. 264.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying WBM layer consolidated thickness etc.
(a) 100 mm thick

Corresponding Item No. 14 of Section -XV of MbPT SOR 2014
 New Item No. 14 of Section -XV
 NBO Ref. No.26.3(b) Page:650 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 63mm	1.50	Cu.M.	1135.60	1703.39	1.	Mate	0.070	No.	478.85	33.52	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.350	No.	478.85	167.60	
3.	Hire charges - road roller	0.050	Day	5508.49	275.42	3.	Mazdoor-Male	0.710	No.	478.85	339.98	
4.	Sundries		Lumpsum		80.00	4.	Chowkidar	0.050	No.	498.08	24.90	
TOTAL (M) =Rs.					2358.18	TOTAL (L) =Rs.					566.00	

Total of (M) + (L) =	(I)	= `	2924.19	Total = (I) + (II) =	(III)	= `	3028.11
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	292.42
Add: Allowance for PF @13.61% of (L)		= `	77.03	Grand Total	=	(III)+(IV)= `	3320.53
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.89	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	103.92	Therefore, Unit cost	=		
				3320.53 ÷ 10.0	=Rs.		332.05
			Say Rs. 332.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying WBM layer consolidated thickness etc.
(b) 120 mm thick

Corresponding Item No. 15 of Section -XV of MbPT SOR 2014
 New Item No. 15 of Section -XV
 NBO Ref. No.26.3(b) Page:650 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 63mm	1.60	Cu.M.	1135.60	1816.95	1.	Mate	0.070	No.	478.85	33.52	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.350	No.	478.85	167.60	
3.	Hire charges - road roller	0.050	Day	5508.49	275.42	3.	Mazdoor-Male	0.710	No.	478.85	339.98	
4.	Sundries		Lumpsum		80.00	4.	Chowkidar	0.050	No.	498.08	24.90	
TOTAL (M) =Rs.					2471.74	TOTAL (L) =Rs.					566.00	

Total of (M) + (L) =	(I)	= `	3037.75	Total = (I) + (II) =	(III)	= `	3141.67
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	303.77
Add: Allowance for PF @13.61% of (L)		= `	77.03	Grand Total	=	(III)+(IV)= `	3445.44
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.89	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	103.92	Therefore, Unit cost	=		
				3445.44 ÷ 10.0	=Rs.		344.54
			Say Rs. 345.00	per Sq.M.			

Rate Analysis for 1.00 Cu.M. of Item:
Providing and laying WBM required consolidated thickness comprising 40mm to 63mm metal etc.

Corresponding Item No. 16 of Section -XV of MbPT SOR 2014
 New Item No. 16 of Section -XV
 NBO Ref. No.26.29(III)&26.30(III) Page:651 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 63mm	1.50	Cu.M.	1135.60	1703.39	1.	Mate	0.070	No.	478.85	33.52	
2.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	2.	Bhisti	0.350	No.	478.85	167.60	
3.	Hire charges - road roller	0.050	Day	5508.49	275.42	3.	Mazdoor-Male	0.710	No.	478.85	339.98	
4.	Sundries		Lumpsum		80.00	4.	Chowkidar	0.050	No.	498.08	24.90	
TOTAL (M) =Rs.					2358.18	TOTAL (L) =Rs.					566.00	

Total of (M) + (L) = (I) = ` 2924.19
Add: Allowance for Water charges @1% of (I) = ` 77.03
Add: Allowance for PF @13.61% of (L) = ` 26.89
Add: Allowance for Employee' insurance @4.75% of (L) = ` 103.92
 Total of allowances = (II) = ` 103.92
 Road surface = 10 Sq.M.X0.15 = 1.50 Cu.M.
 After 2/3rd consolidation,
 Road surface = 10 Sq.M.X0.10 = 1.00 Cu.M.

Total = (I) + (II) = (III) = ` 3028.11
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 292.42
 Grand Total = (III)+(IV)= ` 3320.53
 This is cost for 1.0 Cu.M.
 Therefore, Unit cost = 3320.53 ÷ 1.0 =Rs. 3320.53

Say Rs. 3321.00 per Cu.M.

Rate Analysis for 1.00 Cu.M. of Item:
Laying only WBM of different consolidated thickness laid to required thickness etc.

Corresponding Item No. 17 of Section -XV of MbPT SOR 2014
 New Item No. 17 of Section -XV
 NBO Ref. No.26.30 Page:650 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Blendage stone dust	0.250	Cu.M.	1197.46	299.37	1.	Mate	0.070	No.	478.85	33.52	
2.	Hire charges - road roller	0.050	Day	5508.49	275.42	2.	Bhisti	0.350	No.	478.85	167.60	
3.	Sundries		Lumpsum		30.00	3.	Mazdoor-Male	0.710	No.	478.85	339.98	
						4.	Chowkidar	0.050	No.	498.08	24.90	
TOTAL (M) =Rs.					604.79	TOTAL (L) =Rs.					566.00	

Total of (M) + (L) = (I) = ` 1170.79

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 77.03

Add: Allowance for Employee' insurance @4.75% of (L) = ` 26.89

Total of allowances = (II) = ` 103.92

Say Rs.

Total = (I) + (II) = (III) = ` 1274.71

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 117.08

Grand Total = (III)+(IV)= ` 1391.79

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 1391.79 ÷ 1.0 =Rs. 1391.79

per Cu.M.

1392.00

Rate Analysis for 10.00 Sq.M. of Item:
Providing and spreading stone dust on metal layer for blendage including watering, rolling, removing the excess stone dust etc.

Corresponding Item No. 18 of Section -XV of MbPT SOR 2014
 New Item No. 18 of Section -XV
 NBO Ref. No.26.30 Page:650 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone dust	0.500	Cu.M.	1197.46	598.73	1.	Mate	0.013	No.	478.85	6.23	
2.	Hire charges - road roller	0.016	Day	5508.49	88.14	2.	Bhisti	0.030	No.	478.85	14.37	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor-Male	0.013	No.	478.85	6.23	
						4.	Chowkidar	0.016	No.	498.08	7.97	
TOTAL (M) =Rs.					736.87	TOTAL (L) =Rs.					34.78	

Total of (M) + (L) =	(I)	= `	771.65	Total = (I) + (II) =	(III)	= `	778.04
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	77.17
Add: Allowance for PF @13.61% of (L)		= `	4.73	Grand Total	=	(III)+(IV)= `	855.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.65	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	6.39	Therefore, Unit cost	=		
				855.20 ÷ 10.0	=Rs.		85.52
			Say Rs. 86.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying grout, paving with 100mm thick metal layer etc.

Corresponding Item No. 19 of Section -XV of MbPT SOR 2014
 New Item No. 19 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal-40 to 63mm	1.500	Cu.M.	1135.60	1703.39	1.	Mate	0.050	No.	478.85	23.94	
2.	Blendage stone dust	0.183	Cu.M.	1197.46	219.14	2.	Bhisti	0.120	No.	478.85	57.46	
3.	Stone grit	0.122	Cu.M.	1372.89	167.49	3.	Mazdoor-Male	0.520	No.	478.85	249.00	
4.	Bitumen 60/70	92.500	Kgs.	32.86	3039.97		For consolidation:					
5.	Brushes		Lumpsum		20.00	4.	Sprayman (Mazdoor)	0.055	No.	478.85	26.34	
6.	Brooms & gunny bags etc.		Lumpsum		20.00	5.	Mazdoor-Male	0.080	No.	478.85	38.31	
7.	Soft brushes		Lumpsum		20.00		For screening aggregate:					
8.	Hire charges - road roller	0.033	Day	5508.49	181.78	6.	Mate	0.055	No.	478.85	26.34	
9.	Sundries		Lumpsum		80.00	7.	Mazdoor-Male	0.400	No.	478.85	191.54	
						8.	Mazdoor-Female	0.400	No.	478.85	191.54	
						9.	Chowkidar	0.033	No.	498.08	16.44	
TOTAL (M) =Rs.					5451.77	TOTAL (L) =Rs.					820.90	

Total of (M) + (L) = (I) = ` 6272.67

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 150.72

Say Rs. 705.00 per Sq.M.

Total = (I) + (II) = (III) = ` 6423.39

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 7050.66

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 7050.66 ÷ 10.0 =Rs. 705.07

Rate Analysis for 10.00 Sq.M. of Item:
Providing seal coat over the existing road surface including cleaning the existing surface spraying hot bitumen 80/100 at the rate of 1.75 Kgs./ Sq.M. etc.

Corresponding Item No. 20 of Section -XV of MbPT SOR 2014
 New Item No. 20 of Section -XV
 NBO Ref. No.26.52(IV) Page:674 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone grit-6mm	0.122	Cu.M.	1372.89	167.49	1.	Mate	0.012	No.	478.85	5.75	
2.	Bitumen 80/100	17.500	Kgs.	34.92	611.17	2.	Bhisti	0.006	No.	478.85	2.87	
3.	Brushes		Lumpsum		8.00	3.	Mazdoor-Male	0.190	No.	478.85	90.98	
4.	Bitumen heating charges		Lumpsum		8.00	4.	Mazdoor-Female	0.160	No.	478.85	76.62	
5.	Hire charges - road roller	0.006	Day	5508.49	33.05	5.	Sprayman (Mazdoor)	0.006	No.	478.85	2.87	
6.	Sundries		Lumpsum		50.00	6.	Maistry	0.005	No.	540.38	2.70	
						7.	Chowkidar	0.015	No.	498.08	7.47	
TOTAL (M) =Rs.					877.71	TOTAL (L) =Rs.					189.26	

Total of (M) + (L) = (I) = ` 1066.97

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 25.76

Add: Allowance for Employee' insurance @4.75% of (L) = ` 8.99

Total of allowances = (II) = ` 34.75

Total = (I) + (II) = (III) = ` 1101.72

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 106.70

Grand Total = (III)+(IV)= ` 1208.42

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 1208.42 ÷ 10.0 =Rs. 120.84

Say Rs. 121.00 per Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 12mm thick pre-mix seal coat consisting of 7% to 8% bitumen (60/70 grade), 86% to 87% grit and 6% filler etc.

Corresponding Item No. 21a of Section -XV of MbPT SOR 2014
 New Item No. 21a of Section -XV
 NBO Ref. No.26.53 Page:675 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-mix seal coat (7-8% bitum (60/70 grade), 86-to87% grit, 6% filler) (Rate of 30/40 grade - 10%)	0.300	MT	3795.37	1138.61	1.	Bhisti	0.006	No.	478.85	2.87	
						2.	Mazdoor-Male	0.230	No.	478.85	110.14	
2.	Bitumen-80/100	5.000	Kgs.	34.92	174.62	3.	Chowkidar	0.015	No.	498.08	7.47	
3.	Wire brushes & soft brushes		Lumpsum		8.00	4.	Mazdoor-Female	0.097	No.	478.85	46.45	
4.	Hire charges - road roller	0.006	Day	5508.49	33.05	5.	Mate	0.006	No.	478.85	2.87	
5.	Sundries		Lumpsum		8.00	6.	Maistry	0.006	No.	540.38	3.24	
TOTAL (M) =Rs.					1362.28	TOTAL (L) =Rs.					173.04	

Total of (M) + (L) =	(I)	= `	1535.32	Total = (I) + (II) =	(III)	= `	1567.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	153.53
Add: Allowance for PF @13.61% of (L)		= `	23.55	Grand Total	=	(III)+(IV)= `	1720.63
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.22	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	31.77	Therefore, Unit cost	1720.63	÷	10.0 =Rs. 172.06
			Say Rs. 172.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 12mm thick pre-mix seal coat consisting of 7% to 8% bitumen (30/40 grade), 86% to 87% grit and 6% filler etc.

Corresponding Item No. 21b of Section -XV of MbPT SOR 2014
 New Item No. 21b of Section -XV
 NBO Ref. No.26.53 Page:675 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-mix seal coat (7-8% bitumen (30/40 grade), 86-to 87% grit, 6% filler)	0.300	MT	4217.08	1265.12	1.	Bhisti	0.006	No.	478.85	2.87	
2.	Bitumen-30/40	5.000	Kgs.	31.98	159.92	2.	Mazdoor-Male	0.230	No.	478.85	110.14	
3.	Wire brushes & soft brushes		Lumpsum		8.00	3.	Chowkidar	0.015	No.	498.08	7.47	
4.	Hire charges - road roller	0.006	Day	5508.49	33.05	4.	Mazdoor-Female	0.097	No.	478.85	46.45	
5.	Sundries		Lumpsum		8.00	5.	Mate	0.006	No.	478.85	2.87	
						6.	Maistry	0.006	No.	540.38	3.24	
TOTAL (M) =Rs.					1474.09	TOTAL (L) =Rs.					173.04	

Total of (M) + (L) =	(I)	= `	1647.13	Total = (I) + (II) =	(III)	= `	1678.90
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	164.71
Add: Allowance for PF @13.61% of (L)		= `	23.55	Grand Total	=	(III)+(IV)= `	1843.62
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.22	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	31.77	Therefore, Unit cost	=		
				1843.62 ÷ 10.0	=Rs.		184.36
			Say Rs. 184.00	per Sq.M.			

Rate Analysis for 1.00 MT of Item:
**Providing and laying hot pre-mix seal coat consisting of 7% to 8% bitumen (60/70 grade),
 86% to 87% grit and 6% filler etc.**

Corresponding Item No. 21c of Section -XV of MbPT SOR 2014
 New Item No. 21c of Section -XV
 NBO Ref. No.26.53 Page:673 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-mix seal coat (Item 21a above)	1.000	Sq.M.	172.00	172.00							
	Cubical content of 12 mm thick seal coat in Cu.M.	1.000	X	0.012	0.012							
	Average density of seal coat = 2.40 MT/Cu.M.											
	Therefore, weight of seal coat in MT	0.012	X	2.40	0.0288							
	Thus rate per 0.0288 MT =				172.00							
	Rate of seal coat per MT	172.00	÷	0.0288	5972.22							
TOTAL (M) =Rs.					5972.22	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5972.22	Total = (I) + (II) =	(III)	= `	5972.22
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	597.22
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 6569.44
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	MT	
Total of allowances =	(II)	= `		Therefore, Unit cost	6569.44	÷	1.0 =Rs. 6569.44
				Say Rs. 6569.00	per	MT	

Rate Analysis for 1.00 MT of Item:
**Providing and laying hot pre-mix seal coat consisting of 7% to 8% bitumen (30/40 grade),
 86% to 87% grit and 6% filler etc.**

Corresponding Item No. 21d of Section -XV of MbPT SOR 2014
 New Item No. 21d of Section -XV
 NBO Ref. No.26.53 Page:675 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-mix seal coat (Item 21b above)	1.000	Sq.M.	184.00	184.00							
	Cubical content of 12 mm thick seal coat in Cu.M.	1.000	X	0.012	0.012							
	Average density of seal coat = 2.40 MT/Cu.M.											
	Therefore, weight of seal coat in MT	0.012	X	2.40	0.0288							
	Thus rate per 0.0288 MT =				184.00							
	Rate of seal coat per MT	184.00	÷	0.0288	6388.89							
TOTAL (M) =Rs.					6388.89	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	6388.89	Total = (I) + (II) =	(III)	= `	6388.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	638.89
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 7027.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	MT	
Total of allowances =	(II)	= `		Therefore, Unit cost	7027.78	÷	1.0 =Rs. 7027.78
				Say Rs. 7028.00 per MT			

Rate Analysis for 300.00 MT of Item:
Providing and laying pre-mix asphaltic macadam 60/70 grade etc.

Corresponding Item No. 22 of Section -XV of MbPT SOR 2014
 New Item No. 22 of Section -XV
 NBO Ref. No.26.54(i) Page:676 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
	For 1.10 MT:					1.	Muccadam	1.000	No.	540.38	540.38	
1.	Bitumen 60/70	42.500	Kgs.	32.86	1396.74	2.	Supervisor	1.000	No.	540.38	540.38	
2.	Stone aggregate	0.600	Cu.M.	1135.60	681.36	3.	Mazdoor-Male	8.000	No.	478.85	3830.80	
3.	Brushes, brooms etc.		Lumpsum		50.00	4.	Mazdoor-Female	4.000	No.	478.85	1915.40	
4.	Sundries		Lumpsum		80.00							
				This is cost for 1.10 MT =	2208.10							
				Cost for 1.00 MT =	2007.36							
				Therefore, cost for 300.00 MT =	602208.83							
5.	Hire charges - paver	1.000	Day	7627.14	7627.14							
6.	Hire charges - road roller	1.000	Day	5508.49	5508.49							
7.	Hire charges - dumper	15.000	Trips	2966.11	44491.65							
8.	Hire charges - plant	300.00	MT	847.46	254238.00							
TOTAL (M) =Rs.					914074.11	TOTAL (L) =Rs.					6826.96	

Total of (M) + (L) =	(I)	= `	920901.07	Total = (I) + (II) =	(III)	= `	922154.50
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	92090.11
Add: Allowance for PF @13.61% of (L)		= `	929.15	Grand Total	=	(III)+(IV)= `	1014244.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	324.28	This is cost for	300.0	MT	
Total of allowances =	(II)	= `	1253.43	Therefore, Unit cost	=		
				1014244.61	÷	300.0	=Rs. 3380.82
				Say Rs. 3381.00	per	MT	

Rate Analysis for 300.00 MT of Item:
Supplying hot pre-mixed asphaltic macadam (bitumen grade:60/70) with approved anti-stripping agent at the rate of 0.50% of bitumen by weight at various places etc.
(Only supplying)

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. 22a of Section -XV
 NBO Ref. No.26.54(i) Page:676 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
	For 1.10 MT:											
1.	Bitumen 60/70	42.500	Kgs.	32.86	1396.74							
2.	Stone aggregate	0.600	Cu.M.	1135.60	681.36							
3.	Sundries		Lumpsum		5.00							
				This is cost for 1.10 MT =	2083.10							
				Cost for 1.00 MT =	1893.73							
				Therefore, cost for 300.00 MT =	568117.92							
4.	Hire charges - dumper	15.000	Trips	2966.11	44491.65							
5.	Hire charges - plant	300.00	MT	847.46	254238.00							
TOTAL (M) =Rs.					866847.57	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	866847.57	Total = (I) + (II) =	(III)	= `	866847.57
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	86684.76
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 953532.33
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	300.0	MT	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				953532.33	÷	300.0	=Rs. 3178.44
				Say Rs. 3178.00	per	MT	

Rate Analysis for 300.00 MT of Item:
Providing and laying hot pre-mix asphaltic concrete 60/70 grade etc.

Corresponding Item No. 23 of Section -XV of MbPT SOR 2014
 New Item No. 23 of Section -XV
 NBO Ref. No.26.59(i) Page:682 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
	For 1.00 MT:					1.	Muccadam	1.000	No.	540.38	540.38	
1.	Bitumen 60/70	60.000	Kgs.	32.86	1971.87	2.	Supervisor	1.000	No.	540.38	540.38	
2.	Stone aggregate	0.500	Cu.M.	1135.60	567.80	3.	Mazdoor-Male	8.000	No.	478.85	3830.80	
3.	Fine aggregate	0.300	Cu.M.	1135.60	340.68	4.	Mazdoor-Female	4.000	No.	478.85	1915.40	
4.	Steam coal	13.000	Kgs.	15.25	198.31							
5.	Brushes, brooms etc.		Lumpsum		50.00							
6.	Sundries		Lumpsum		80.00							
				This is cost for 1.00 MT =	3208.65							
				Therefore, cost for 300.00 MT =	962595.81							
7.	Hire charges - paver	1.000	Day	7627.14	7627.14							
8.	Hire charges - road roller	1.000	Day	5508.49	5508.49							
9.	Hire charges - dumper	15.000	Trips	2966.11	44491.65							
10.	Hire charges - plant	300.00	MT	847.46	254238.00							
TOTAL (M) =Rs.					1274461.09	TOTAL (L) =Rs.					6826.96	

Total of (M) + (L) = (I) = ` 1281288.05

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

1253.43

Say Rs.

Total = (I) + (II) = (III) = ` 1282541.48

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 1410670.28

This is cost for 300.0 MT

Therefore, Unit cost =
 1410670.28 ÷ 300.0 =Rs. 4702.23

per MT

4702.00

Rate Analysis for 300.00 MT of Item:
Supplying hot pre-mixed asphaltic concrete (bitumen grade:60/70) with approved anti-stripping agent at the rate of 0.50% of bitumen by weight at various places etc. (Only supplying)

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. 23a of Section -XV
 NBO Ref. No.26.59(i) Page:682 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
	For 1.00 MT:											
1.	Bitumen 60/70	60.000	Kgs.	32.86	1971.87							
2.	Stone aggregate	0.500	Cu.M.	1135.60	567.80							
3.	Fine aggregate	0.300	Cu.M.	1135.60	340.68							
4.	Steam coal	13.000	Kgs.	15.25	198.31							
5.	Sundries		Lumpsum		8.00							
	This is cost for 1.00 MT =				3086.65							
	Therefore, cost for 300.00 MT =				925995.81							
6.	Hire charges - dumper	15.000	Trips	2966.11	44491.65							
7.	Hire charges - plant	300.00	MT	847.46	254238.00							
TOTAL (M) =Rs.					1224725.46	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	1224725.46	Total = (I) + (II) =	(III)	= `	1224725.46
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	122472.55
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 1347198.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	300.0	MT	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				1347198.00	÷	300.0	=Rs. 4490.66
				Say Rs. 4491.00	per	MT	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 20 mm thick asphaltic chip coat etc.
(a) Bitumen grade:60/70

Corresponding Item No. 24a of Section -XV of MbPT SOR 2014
 New Item No. 24a of Section -XV
 NBO Ref. No.26.37 Page:685 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Bitumen-Grade:60/70	17.600	Kgs.	32.86	578.42	1.	Maistry	0.080	No.	540.38	43.23	
2.	Stone chips-12mm	0.168	Cu.M.	1135.60	190.78	2.	Mate	0.011	No.	478.85	5.27	
3.	Stone grit	0.0437	Cu.M.	1372.89	60.00	3.	Bhisti	0.027	No.	478.85	12.93	
4.	Wire brushes	0.011	No.	145.76	1.60	4.	Sprayman(Mazdoor)	0.011	No.	478.85	5.27	
5.	Soft brushes, brooms etc.	0.032	No.	59.32	1.90	5.	Mazdoor-Male	0.245	No.	478.85	117.32	
6.	Steam coal	4.000	Kgs.	15.25	61.02	6.	Mazdoor-Female	0.085	No.	478.85	40.70	
7.	Hire charges - road roller	0.011	Day	5508.49	60.59	7.	Chowkidar	0.027	No.	498.08	13.45	
8.	Hire charges - paver	0.011	Day	7627.14	83.90							
9.	Hire charges - plant	0.440	MT	847.46	372.88							
10.	Hire charges - dumper	0.050	Day	5932.22	296.61							
11.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1715.69	TOTAL (L) =Rs.					238.16	

Total of (M) + (L) = (I) = ` 1953.86

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 43.73

Say Rs. 219.00 per Sq.M.

Total = (I) + (II) = (III) = ` 1997.58

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 195.39

Grand Total = (III)+(IV)= ` 2192.97

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 2192.97 ÷ 10.0 =Rs. 219.30

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying 20 mm thick asphaltic chip coat etc.
(b) Bitumen grade:30/40

Corresponding Item No. 24b of Section -XV of MbPT SOR 2014
 New Item No. 24b of Section -XV
 NBO Ref. No.26.37 Page:685 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Bitumen-Grade:30/40	17.600	Kgs.	31.98	562.90	1.	Maistry	0.080	No.	540.38	43.23	
2.	Stone chips-12mm	0.168	Cu.M.	1135.60	190.78	2.	Mate	0.011	No.	478.85	5.27	
3.	Stone grit	0.0437	Cu.M.	1372.89	60.00	3.	Bhisti	0.027	No.	478.85	12.93	
4.	Wire brushes	0.011	No.	145.76	1.60	4.	Sprayman(Mazdoor)	0.011	No.	478.85	5.27	
5.	Soft brushes, brooms etc.	0.032	No.	59.32	1.90	5.	Mazdoor-Male	0.245	No.	478.85	117.32	
6.	Steam coal	4.000	Kgs.	15.25	61.02	6.	Mazdoor-Female	0.085	No.	478.85	40.70	
7.	Hire charges - road roller	0.011	Day	5508.49	60.59	7.	Chowkidar	0.027	No.	498.08	13.45	
8.	Hire charges - paver	0.011	Day	7627.14	83.90							
9.	Hire charges - plant	0.440	MT	847.46	372.88							
10.	Hire charges - dumper	0.050	Day	5932.22	296.61							
11.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1700.18	TOTAL (L) =Rs.					238.16	

Total of (M) + (L) = (I) = ` 1938.35

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 43.73

Say Rs. 218.00 per Sq.M.

Total = (I) + (II) = (III) = ` 1982.07

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 193.83

Grand Total = (III)+(IV)= ` 2175.91

This is cost for 10.0 Sq.M.

Therefore, Unit cost = 2175.91 ÷ 10.0 =Rs. 217.59

Rate Analysis for 1.00 MT of Item:
Providing and laying pre-mixed asphaltic chip coat bitumen grade:60/70 etc.

Corresponding Item No. 24c of Section -XV of MbPT SOR 2014
 New Item No. 24c of Section -XV
 NBO Ref. No.26.53 Page:675 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-mix chip coat (Item 24a above)	1.000	Sq.M.	219.00	219.00							
	Cubical content of 20 mm thick chip coat in Cu.M.	1.000	X	0.020	0.020							
	Average density of chip coat = 2.20 MT/Cu.M.											
	Therefore, weight of chip coat in MT	0.020	X	2.20	0.0440							
	Thus rate per 0.044 MT =				219.00							
	Rate of chip coat per MT	219.00	÷	0.0440	4977.27							
TOTAL (M) =Rs.					4977.27	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 4977.27

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= `

Say Rs.

Total = (I) + (II) = (III) = ` 4977.27

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 5475.00

This is cost for 1.0 MT

Therefore, Unit cost = 5475.00 ÷ 1.0 =Rs. 5475.00

per MT

Rate Analysis for 1.00 MT of Item:
Providing and laying pre-mixed asphaltic chip coat bitumen grade:30/40 etc.

Corresponding Item No. 24d of Section -XV of MbPT SOR 2014
 New Item No. 24d of Section -XV
 NBO Ref. No.26.53 Page:675 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-mix chip coat (Item 24b above)	1.000	Sq.M.	218.00	218.00							
	Cubical content of 20 mm thick chip coat in Cu.M.	1.000	X	0.020	0.020							
	Average density of chip coat = 2.20 MT/Cu.M.											
	Therefore, weight of chip coat in MT	0.020	X	2.20	0.0440							
	Thus rate per 0.044 MT =				218.00							
	Rate of chip coat per MT	218.00	÷	0.0440	4954.55							
TOTAL (M) =Rs.					4954.55	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 4954.55

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 5450.00 per MT

Total = (I) + (II) = (III) = ` 4954.55

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 495.45

Grand Total = (III)+(IV)= ` 5450.00

This is cost for 1.0 MT

Therefore, Unit cost = 5450.00 ÷ 1.0 =Rs. 5450.00

Rate Analysis for 1.00 Sq.M. of Item:
Providing and laying 50 mm thick mastic asphalt for road work etc.

Corresponding Item No. 25 of Section -XV of MbPT SOR 2014
 New Item No. 25 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
	For 1.00 MT:						For 1.00 Sq.M.:					
1.	Bitumen 60/70	110.00	Kgs.	32.86	3615.09	1.	Labour cost		Lumpsum		130.00	
2.	Stone dust	0.085	Cu.M.	1197.46	101.78							
3.	Stone grit	0.169	Cu.M.	1372.89	232.02							
4.	Lime stone	300.00	Kgs.	7.88	2364.41							
5.	Diesel	60.00	Lits.	54.99	3299.50							
6.	Power charges		Lumpsum		80.00							
7.	Sundries		Lumpsum		50.00							
	This is cost for 1.00 MT =				9742.81							
	Density of Mastic asphalt =		2.380	MT/Cu.M.								
	Cost for 1.00 Cu.M. =	9742.81	X	2.38	23187.89							
	Therefore, cost for 1.00 Sq.M. of 50 mm thick											
	i.e.0.05 Cu.M. =	23187.89	X	0.05	1159.39							
TOTAL (M) =Rs.					1159.39	TOTAL (L) =Rs.					130.00	

Total of (M) + (L) =	(I)	= `	1289.39	Total = (I) + (II) =	(III)	= `	1313.26
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	128.94
Add: Allowance for PF @13.61% of (L)		= `	17.69	Grand Total =	(III)+(IV)=	`	1442.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	6.18	This is cost for 1.0 Sq.M.			
Total of allowances =	(II)	= `	23.87	Therefore, Unit cost	=		
				1442.20 ÷ 1.0	=Rs.		1442.20
				Say Rs. 1442.00 per Sq.M.			

Rate Analysis for 1.00 Sq.M. of Item:
Providing and laying 25 mm thick mastic asphalt for the flooring of galleries of sheds etc.

Corresponding Item No. 26 of Section -XV of MbPT SOR 2014
 New Item No. 26 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
	For 1.00 MT:						For 1.00 Sq.M.:					
1.	Bitumen 60/70	110.00	Kgs.	32.86	3615.09	1.	Labour cost		Lumpsum		130.00	
2.	Stone dust	0.085	Cu.M.	1197.46	101.78							
3.	Stone grit	0.169	Cu.M.	1372.89	232.02							
4.	Lime stone	300.00	Kgs.	7.88	2364.41							
5.	Diesel	60.00	Lits.	54.99	3299.50							
6.	Power charges		Lumpsum		80.00							
7.	Sundries		Lumpsum		50.00							
	This is cost for 1.00 MT =				9742.81							
	Density of Mastic asphalt =		2.380	MT/Cu.M.								
	Cost for 1.00 Cu.M. =	9742.81	X	2.38	23187.89							
	Therefore, cost for 1.00 Sq.M. of 25 mm thick											
	i.e.0.025 Cu.M. =	23187.89	X	0.025	579.70							
TOTAL (M) =Rs.					579.70	TOTAL (L) =Rs.					130.00	

Total of (M) + (L) = (I) = ` 709.70

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= ` 23.87

Say Rs.

Total = (I) + (II) =

(III)

= ` 733.57

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= ` 70.97

Grand Total

=

(III)+(IV)=

` 804.53

This is cost for 1.0 Sq.M.

Therefore, Unit cost

804.53

=

÷ 1.0

=Rs.

804.53

per Sq.M.

805.00

Rate Analysis for 1.00 Cu.M. of Item:
Paving with RCC (1:1.5:3) or M20 grade concrete of required thickness for road work etc.

Corresponding Item No. 27 of Section -XV of MbPT SOR 2014
 New Item No. 27 of Section -XV
 NBO Ref. No.5.3.11&5.4.1 Page:99&107 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone agg.-20mm	0.570	Cu.M.	898.31	512.04	1.	Mate	0.080	No.	478.85	38.31	
2.	Stone agg.-10mm	0.280	Cu.M.	898.31	251.53	2.	Bhisti	0.470	No.	478.85	225.06	
3.	Sand	0.4250	Cu.M.	2994.92	1272.84	3.	Mason I	0.090	No.	540.38	48.63	
4.	Cement	0.400	MT	5762.73	2305.09	4.	Mason II	0.090	No.	525.00	47.25	
5.	Hire charges for mixer	0.025	Day	2966.11	74.15	5.	Mazdoor-Male	1.050	No.	478.85	502.79	
6.	Cost of form work (Item 3a(ii), Section-IV)	1.000	Cu.M.	373.00	373.00	6.	Mazdoor-Female	0.680	No.	478.85	325.62	
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					4808.65	TOTAL (L) =Rs.					1187.66	

Total of (M) + (L) = (I) = ` 5996.31

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 161.64

Add: Allowance for Employee' insurance @4.75% of (L) = ` 56.41

Total of allowances = (II) = ` 218.05

Say Rs. 6814.00 per Cu.M.

Total = (I) + (II) = (III) = ` 6214.36

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 599.63

Grand Total = (III)+(IV)= ` 6814.00

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 6814.00 ÷ 1.0 =Rs. 6814.00

Rate Analysis for 1.00 Cu.M. of Item:
Paving with plain cement concrete (1:2:4) to required thickness for road work etc.

Corresponding Item No. 28 of Section -XV of MbPT SOR 2014
 New Item No. 28 of Section -XV
 NBO Ref. No.5.3.1(a) Page:89 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone agg.-20mm	0.670	Cu.M.	898.31	601.87	1.	Mate	0.040	No.	478.85	19.15	
2.	Stone agg.-10mm	0.220	Cu.M.	898.31	197.63	2.	Bhisti	0.270	No.	478.85	129.29	
3.	Sand	0.4450	Cu.M.	2994.92	1332.74	3.	Mason I	0.050	No.	540.38	27.02	
4.	Cement	0.320	MT	5762.73	1844.07	4.	Mason II	0.050	No.	525.00	26.25	
5.	Hire charges for mixer	0.025	Day	2966.11	74.15	5.	Mazdoor-Male	0.950	No.	478.85	454.91	
6.	Cost of form work (Item 1a(ii), Section-IV)	1.000	Cu.M.	373.00	373.00	6.	Mazdoor-Female	0.680	No.	478.85	325.62	
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					4443.46	TOTAL (L) =Rs.					982.24	

Total of (M) + (L) = (I) = ` 5425.70

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 180.34

Say Rs. 6149.00 per Cu.M.

Total = (I) + (II) = (III) = ` 5606.04

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 542.57

Grand Total = (III)+(IV)= ` 6148.61

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 6148.61 ÷ 1.0 =Rs. 6148.61

Rate Analysis for 1.00 Cu.M. of Item:
Providing and laying plain cement concrete (1:3:6) for road work etc.

Corresponding Item No. 29 of Section -XV of MbPT SOR 2014
 New Item No. 29 of Section -XV
 NBO Ref. No.5.3.2(a) Page:90 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone agg.-20mm	0.240	Cu.M.	898.31	215.59	1.	Mate	0.040	No.	478.85	19.15	
2.	Stone agg.-40mm	0.650	Cu.M.	898.31	583.90	2.	Bhisti	0.270	No.	478.85	129.29	
3.	Sand	0.4700	Cu.M.	2994.92	1407.61	3.	Mason I	0.050	No.	540.38	27.02	
4.	Cement	0.220	MT	5762.73	1267.80	4.	Mason II	0.050	No.	525.00	26.25	
5.	Hire charges for mixer	0.025	Day	2966.11	74.15	5.	Mazdoor-Male	0.950	No.	478.85	454.91	
6.	Cost of form work (Item 2b, Section-IV)	1.000	Cu.M.	373.00	373.00	6.	Mazdoor-Female	0.680	No.	478.85	325.62	
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					3942.06	TOTAL (L) =Rs.					982.24	

Total of (M) + (L) = (I) = ` 4924.30

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 180.34

Total = (I) + (II) = (III) = ` 5104.64

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 492.43

Grand Total = (III)+(IV)= ` 5597.07

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 5597.07 ÷ 1.0 =Rs. 5597.07

Say Rs. 5597.00 per Cu.M.

Rate Analysis for 1.00 Cu.M. of Item:
Providing and laying plain cement concrete (1:1.5:3) encasement of service pipes etc.

Corresponding Item No. 30 of Section -XV of MbPT SOR 2014
 New Item No. 30 of Section -XV
 NBO Ref. No.5.3.11(a) Page:99 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone agg.-20mm	0.570	Cu.M.	898.31	512.04	1.	Mate	0.040	No.	478.85	19.15	
2.	Stone agg.-10mm	0.280	Cu.M.	898.31	251.53	2.	Bhisti	0.270	No.	478.85	129.29	
3.	Sand	0.4250	Cu.M.	2994.92	1272.84	3.	Mason I	0.050	No.	540.38	27.02	
4.	Cement	0.400	MT	5762.73	2305.09	4.	Mason II	0.050	No.	525.00	26.25	
5.	Hire charges for mixer	0.025	Day	2966.11	74.15	5.	Mazdoor-Male	0.950	No.	478.85	454.91	
6.	Cost of form work (Item 3a(ii), Section-IV)	1.000	Cu.M.	373.00	373.00	6.	Mazdoor-Female	0.680	No.	478.85	325.62	
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					4808.65	TOTAL (L) =Rs.					982.24	

Total of (M) + (L) = (I) = ` 5790.89

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 133.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.66

Total of allowances = (II) = ` 180.34

Say Rs. 6550.00 per Cu.M.

Total = (I) + (II) = (III) = ` 5971.22

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 579.09

Grand Total = (III)+(IV)= ` 6550.31

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 6550.31 ÷ 1.0 =Rs. 6550.31

Rate Analysis for 1.00 Cu.M. of Item:
Providing and laying plain cement concrete in Road slab to required slope and camber etc.
(a) M30 grade

Corresponding Item No. 31a of Section -XV of MbPT SOR 2014
 New Item No. 31a of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone agg.-20mm	0.560	Cu.M.	898.31	503.05	1.	Mate	0.100	No.	478.85	47.89	
2.	Stone agg.-10mm	0.250	Cu.M.	898.31	224.58	2.	Bhisti	0.480	No.	478.85	229.85	
3.	Sand	0.4000	Cu.M.	2994.92	1197.97	3.	Mason I	0.150	No.	540.38	81.06	
4.	Cement	0.400	MT	5762.73	2305.09	4.	Mason II	0.150	No.	525.00	78.75	
5.	Hire charges for mixer	0.025	Day	2966.11	74.15	5.	Mazdoor-Male	1.250	No.	478.85	598.56	
6.	Cost of form work (Item 3a(ii), Section-IV)	1.000	Cu.M.	373.00	373.00	6.	Mazdoor-Female	0.900	No.	478.85	430.97	
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					4697.84	TOTAL (L) =Rs.					1467.07	

Total of (M) + (L) =	(I)	= `	6164.91	Total = (I) + (II) =	(III)	= `	6434.26
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	616.49
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	199.67	Grand Total	=	(III)+(IV)= `	7050.75
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	69.69	This is cost for	1.0	Cu.M.	
Total of allowances =	(II)	= `	269.35	Therefore, Unit cost		=	
				7050.75	÷	1.0	=Rs. 7050.75
			Say Rs. 7051.00	per Cu.M.			

Rate Analysis for 1.00 Cu.M. of Item:
Providing and laying plain cement concrete in Road slab to required slope and camber etc.
(b) M40 grade

Corresponding Item No. 31b of Section -XV of MbPT SOR 2014
 New Item No. 31b of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone agg.-20mm	0.560	Cu.M.	898.31	503.05	1.	Mate	0.100	No.	478.85	47.89	
2.	Stone agg.-10mm	0.250	Cu.M.	898.31	224.58	2.	Bhisti	0.480	No.	478.85	229.85	
3.	Sand	0.3800	Cu.M.	2994.92	1138.07	3.	Mason I	0.150	No.	540.38	81.06	
4.	Cement	0.450	MT	5762.73	2593.23	4.	Mason II	0.150	No.	525.00	78.75	
5.	Hire charges for mixer	0.025	Day	2966.11	74.15	5.	Mazdoor-Male	1.250	No.	478.85	598.56	
6.	Cost of form work (Item 3a(ii), Section-IV)	1.000	Cu.M.	373.00	373.00	6.	Mazdoor-Female	0.900	No.	478.85	430.97	
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					4926.08	TOTAL (L) =Rs.					1467.07	

Total of (M) + (L) =	(I)	= `	6393.15	Total = (I) + (II) =	(III)	= `	6662.50
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	639.31
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	199.67	Grand Total	=	(III)+(IV)= `	7301.82
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	69.69	This is cost for	1.0	Cu.M.	
Total of allowances =	(II)	= `	269.35	Therefore, Unit cost	=		
				7301.82	÷	1.0	=Rs. 7301.82
			Say Rs. 7302.00			per Cu.M.	

Rate Analysis for 1.00 Cu.M. of Item:
Providing and laying plain cement concrete in Road slab including vacuum de-watering etc.
(a) M30 grade

Corresponding Item No. 32a of Section -XV of MbPT SOR 2014
 New Item No. 32a of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rate of concrete M-30 (Item 31a above)	1.000	Cu.M.	6434.26	6434.26							
2.	Hire charges for vacuum de-watering equipment	0.0400	Day	6779.68	271.19							
3.	Electric connection charges		Lumpsum		80.00							
4.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					6805.45	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 6805.45

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 6805.45

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 680.55

Grand Total = (III)+(IV)= ` 7486.00

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 7486.00 ÷ 1.0 =Rs. 7486.00

Say Rs. 7486.00 per Cu.M.

Rate Analysis for 1.00 Cu.M. of Item:
Providing and laying plain cement concrete in Road slab including vacuum de-watering etc.
(b) M40 grade

Corresponding Item No. 32b of Section -XV of MbPT SOR 2014
 New Item No. 32b of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rate of concrete M-30 (Item 31b above)	1.000	Cu.M.	6662.50	6662.50							
2.	Hire charges for vacuum de-watering equipment	0.0400	Day	6779.68	271.19							
3.	Electric connection charges		Lumpsum		80.00							
4.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					7033.69	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 7033.69

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 7737.00 per Cu.M.

Total = (I) + (II) = (III) = ` 7033.69

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 703.37

Grand Total = (III)+(IV)= ` 7737.06

This is cost for 1.0 Cu.M.

Therefore, Unit cost = 7737.06 ÷ 1.0 =Rs. 7737.06

Rate Analysis for 24.00 Sq.M. of Item:
Providing and laying in position 75 micron polythene sheet including overlaps over the WBM etc.

Corresponding Item No. 33 of Section -XV of MbPT SOR 2014
 New Item No. 33 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Polythene sheet-75 Micron	26.040	Sq.M.	23.04	600.07							
2.	Sundries		Lumpsum		20.00	1.	For spreading: Mazdoor-Male	0.050	No.	478.85	23.94	
TOTAL (M) =Rs.					620.07	TOTAL (L) =Rs.					23.94	

Total of (M) + (L) =	(I)	= `	644.01	Total = (I) + (II) =	(III)	= `	648.41
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	64.40
Add: Allowance for PF @13.61% of (L)		= `	3.26	Grand Total	=	(III)+(IV)= `	712.81
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for 24.0 Sq.M.			
Total of allowances =	(II)	= `	4.40	Therefore, Unit cost	=		
				712.81 ÷ 24.0	=Rs.		29.70
			Say Rs. 30.00	per Sq.M.			

Rate Analysis for 20.00 Mtrs. of Item:
Providing and laying in position pre-moulded asphaltic filler 20mm thick etc.

Corresponding Item No. 34 of Section -XV of MbPT SOR 2014
 New Item No. 34 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-moulded asphaltic filler - 18mm	5.000	Sq.M.	462.80	2314.01	1.	Mason II	0.250	No.	525.00	131.25	
2.	Bitumen 30/40	8.000	Kgs.	31.98	255.87	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					2619.88	TOTAL (L) =Rs.					370.68	

Total of (M) + (L) =	(I)	= `	2990.56	Total = (I) + (II) =	(III)	= `	3058.61
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	299.06
Add: Allowance for PF @13.61% of (L)		= `	50.45	Grand Total	=	(III)+(IV)= `	3357.67
Add: Allowance for Employee' insurance @4.75% of (L)		= `	17.61	This is cost for 20.0 Mtrs.			
Total of allowances =	(II)	= `	68.06	Therefore, Unit cost	=		
				3357.67 ÷ 20.0	=Rs.		167.88
			Say Rs. 168.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Filling the joints of concrete slab with air blown bitumen 10/20 penetration etc.

Corresponding Item No. 35 of Section -XV of MbPT SOR 2014
 New Item No. 35 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Bitumen 60/70	6.400	Kgs.	32.86	210.33	1.	Paver 'A' Grade	0.250	No.	498.08	124.52	
2.	Bitumen primer	0.330	Lit.	66.10	21.81	2.	Mazdoor-Male	0.250	No.	478.85	119.71	
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					240.15	TOTAL (L) =Rs.					244.23	

Total of (M) + (L) =	(I)	= `	484.38	Total = (I) + (II) =	(III)	= `	529.22
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	48.44
Add: Allowance for PF @13.61% of (L)		= `	33.24	Grand Total	=	(III)+(IV)= `	577.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	11.60	This is cost for 10.0 Mtrs.			
Total of allowances =	(II)	= `	44.84	Therefore, Unit cost	=		
				577.66 ÷ 10.0	=Rs.		57.77
			Say Rs. 58.00	per Mtr.			

Rate Analysis for 1.00 Mtr. of Item:
Machine cutting groove 10mm wide and 60 mm deep in the concrete surface for contraction joints and longitudinal joints etc.

Corresponding Item No. 36 of Section -XV of MbPT SOR 2014
 New Item No. 36 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	For making groove-1 Mtr. (Market Enquiry)		Lumpsum		50.00							
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					58.00	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	58.00	Total = (I) + (II) =	(III)	= `	58.00
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.80
<u>Add</u> : Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	63.80
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	Mtr.	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				63.80	÷	1.0	=Rs. 63.80
			Say Rs. 64.00	per Mtr.			

Rate Analysis for 1.00 qntl. of Item:
Providing and fixing HYSD bar reinforcement etc.

Corresponding Item No. 37 of Section -XV of MbPT SOR 2014
 New Item No. 37 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rate for HYSD bars (Item 16, Section-V)	1.000	qntl.	5794.51	5794.51							
TOTAL (M) =Rs.					5794.51	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5794.51	Total = (I) + (II) =	(III)	= `	5794.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	579.45
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	6373.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	qntl.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				6373.96	÷	1.0	=Rs. 6373.96
				Say Rs. 6374.00	per	qntl.	

Rate Analysis for 1.00 qntl. of Item:
Providing and fixing plain mild steel reinforcement etc.

Corresponding Item No. 38 of Section -XV of MbPT SOR 2014
 New Item No. 38 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rate for m.s. reinforcement (Item 15, Section-V)	1.000	qntl.	5527.56	5527.56							
TOTAL (M) =Rs.					5527.56	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5527.56	Total = (I) + (II) =	(III)	= `	5527.56
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	552.76
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	6080.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for 1.0 qntl.			
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				6080.31 ÷ 1.0	=Rs.		6080.31
				Say Rs. 6080.00	per qntl.		

Rate Analysis for 1.00 qntl. of Item:
Providing and fixing plain mild steel dowel bars and tie bars etc.

Corresponding Item No. 39 of Section -XV of MbPT SOR 2014
 New Item No. 39 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rate for m.s. bars (Item 15, Section-V)	1.000	qntl.	5527.56	5527.56							
TOTAL (M) =Rs.					5527.56	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5527.56	Total = (I) + (II) =	(III)	= `	5527.56
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	552.76
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	6080.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	qntl.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				6080.31	÷	1.0	=Rs. 6080.31
				Say Rs. 6080.00	per	qntl.	

Rate Analysis for 1.00 qntl. of Item:
Providing and fixing m.s. angles of 75x75x6 mm size between rails of railway track etc.

Corresponding Item No. 40 of Section -XV of MbPT SOR 2014
 New Item No. 40 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rate for m.s. angles (Structural steel) (Item 1a, Section-XI)	1.000	qntl.	7089.00	7089.00							
TOTAL (M) =Rs.					7089.00	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	7089.00	Total = (I) + (II) =	(III)	= `	7089.00
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	708.90
<u>Add</u> : Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	7797.90
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	qntl.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				7797.90	÷	1.0	=Rs. 7797.90
				Say Rs. 7798.00	per	qntl.	

Rate Analysis for 1.00 qntl. of Item:
Providing and fixing 400x250x16 mm size bearing plates etc.

Corresponding Item No. 41 of Section -XV of MbPT SOR 2014
 New Item No. 41 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rate for bearing plates (Structural steel) (Item 1a, Section-XI)	1.000	qntl.	7089.00	7089.00							
TOTAL (M) =Rs.					7089.00	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	7089.00	Total = (I) + (II) =	(III)	= `	7089.00
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	708.90
<u>Add</u> : Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	7797.90
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	qntl.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				7797.90	÷	1.0	=Rs. 7797.90
				Say Rs. 7798.00	per	qntl.	

Rate Analysis for 1.00 No. of Item:
Providing and fixing 16mm dia. H.D. bolts 350mm long etc.

Corresponding Item No. 42 of Section -XV of MbPT SOR 2014
 New Item No. 42 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	H.D. bolts-16mm dia.-350mm	1.000	No.	76.81	76.81	1.	Mason II	0.010	No.	525.00	5.25	
2.	Sundries		Lumpsum		5.00	2.	Mazdoor-Male	0.010	No.	478.85	4.79	
TOTAL (M) =Rs.					81.81	TOTAL (L) =Rs.					10.04	

Total of (M) + (L) =	(I)	= `	91.85	Total = (I) + (II) =	(III)	= `	93.70
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	9.19
Add: Allowance for PF @13.61% of (L)		= `	1.37	Grand Total	=	(III)+(IV)= `	102.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.48	This is cost for 1.0 No.			
Total of allowances =	(II)	= `	1.84	Therefore, Unit cost	=		
				102.88 ÷ 1.0	=Rs.		102.88
			Say Rs. 103.00	per each			

Rate Analysis for 15.00 Mtrs. of Item:
Providing wooden barricade 1.5 Mtrs. high consisting of wooden bullies etc.

Corresponding Item No. 43 of Section -XV of MbPT SOR 2014
 New Item No. 43 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Bullies-100mm dia.	22.00	Mtrs.	76.27	1677.97	1.	Carpenter II	1.00	No.	525.00	525.00	
2.	Bullies-75mm dia.	30.00	Mtrs.	55.08	1652.55	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
				Total =	3330.52							
a)	This material can be used 4 times on same work. Therefore, for one use	3330.52	÷	4.00	832.63							
3.	Sundries		Lumpsum		100.00							
TOTAL (M) =Rs.					932.63	TOTAL (L) =Rs.					1482.70	

Total of (M) + (L) = (I) = ` 2415.33
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 201.80
Add: Allowance for Employee' insurance @4.75% of (L) = ` 70.43
 Total of allowances = (II) = ` 272.22

*Cost of painting: 12.240 Sq.M. 19.00 232.56
 (Item No.17, Section-X)

Total = (I) + (II) = (III) = ` 2687.55
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 241.53
Add: Cost for painting*: (V)=Rs. 232.56
 Grand Total = (III)+(IV)+(V) =Rs. 3161.65

This is cost for 15.00 Mtrs.
 Therefore, Unit cost =
 3161.65 ÷ 15.00 =Rs. 210.78

Say Rs. 211.00 per Mtr.

Rate Analysis for 15.00 Mtrs. of Item:
Dismantling and re-erecting wooden barricade etc. under Item No.43 above

Corresponding Item No. 44 of Section -XV of MbPT SOR 2014
 New Item No. 44 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		180.00	1.	Carpenter II	1.00	No.	525.00	525.00	
						2.	Mazdoor-Male	1.00	No.	478.85	478.85	
TOTAL (M) =Rs.					180.00	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) = (I) = ` 1183.85
 Add: Allowance for Water charges @1% of (I) = ` 136.62
 Add: Allowance for PF @13.61% of (L) = ` 47.68
 Add: Allowance for Employee' insurance @4.75% of (L)
 Total of allowances = (II) = ` 184.31

*Cost of painting: 3.062 Sq.M. 19.00 58.18 (Item No.17, Section-X)

Total = (I) + (II) = (III) = ` 1368.16
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 118.39
 Add: Cost for painting*: (V)=Rs. 58.18
 Grand Total = (III)+(IV)+(V) =Rs. 1544.72

This is cost for 15.00 Mtrs.
 Therefore, Unit cost =
 1544.72 ÷ 15.00 =Rs. 102.98

Say Rs. 103.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying kerb stones 450mm to 600 mm long, 150mm wide and 375 mm deep etc.

Corresponding Item No. 45 of Section -XV of MbPT SOR 2014
 New Item No. 45 of Section -XV
 NBO Ref. No.26.88 Page:710 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Kerb stones	10.000	Nos.	161.31	1613.09	1.	Mason I	0.500	No.	540.38	270.19	
2.	Cement concrete (1:3:6) (Item 29 above)	0.450	Cu.M.	5104.64	2297.09	2.	Mason II	0.500	No.	525.00	262.50	
3.	Cement mortar		Lumpsum		100.00	3.	Mazdoor-Male	0.500	No.	478.85	239.43	
4.	Mortar for pointing		Lumpsum		100.00	4.	Mazdoor-Female	0.330	No.	478.85	158.02	
5.	Sundries		Lumpsum		20.00	5.	Mazdoor-Male for removal of rubble		Lumpsum		15.00	
TOTAL (M) =Rs.					4130.18	TOTAL (L) =Rs.					945.14	

Total of (M) + (L) =	(I)	= `	5075.31	Total = (I) + (II) =	(III)	= `	5248.84
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	507.53
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	128.63	Grand Total	=	(III)+(IV)= `	5756.37
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	44.89	This is cost for 10.0 Mtrs.			
Total of allowances =	(II)	= `	173.53	Therefore, Unit cost	=		
				5756.37 ÷ 10.0	=Rs.		575.64
			Say Rs. 576.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying stone water table 300x375mm and in cement concrete etc.

Corresponding Item No. 46 of Section -XV of MbPT SOR 2014
 New Item No. 46 of Section -XV
 NBO Ref. No.26.88 Page:710 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone water tables	10.000	Mtrs.	172.83	1728.31	1.	Mason I	0.500	No.	540.38	270.19	
2.	Cement concrete (1:3:6) (Item 29 above)	0.7125	Cu.M.	5104.64	3637.05	2.	Mason II	0.500	No.	525.00	262.50	
3.	Cement mortar		Lumpsum		150.00	3.	Mazdoor-Male	0.500	No.	478.85	239.43	
4.	Mortar for pointing		Lumpsum		100.00	4.	Mazdoor-Female	0.330	No.	478.85	158.02	
5.	Sundries		Lumpsum		20.00	5.	Mazdoor-Male		Lumpsum		15.00	
							for removal of rubble					
TOTAL (M) =Rs.					5635.36	TOTAL (L) =Rs.					945.14	

Total of (M) + (L) = (I) = ` 6580.50

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 128.63

Add: Allowance for Employee' insurance @4.75% of (L) = ` 44.89

Total of allowances = (II) = ` 173.53

Say Rs.

Total = (I) + (II) = (III) = ` 6754.03

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 658.05

Grand Total = (III)+(IV)= ` 7412.08

This is cost for 10.0 Mtrs.

Therefore, Unit cost = 7412.08 ÷ 10.0 =Rs. 741.21

per Mtr.

741.00

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing pre-cast CC (1:2:4) kerb stone blocks 450mm long etc.

Corresponding Item No. 47 of Section -XV of MbPT SOR 2014
 New Item No. 47 of Section -XV
 NBO Ref. No.26.88 Page:710 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement concrete (1:2:4) for pre-cast blocks (Item 28 above)	0.562	Cu.M.	5606.04	3150.59	1.	Mason I	0.500	No.	540.38	270.19	
						2.	Mason II	0.500	No.	525.00	262.50	
2.	Cement concrete (1:3:6) (Item 29 above)	0.4500	Cu.M.	5104.64	2297.09	3.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Cement mortar		Lumpsum		100.00	4.	Mazdoor-Female	0.500	No.	478.85	239.43	
4.	Mortar for pointing		Lumpsum		100.00	5.	Mazdoor-Male		Lumpsum		15.00	
5.	Sundries		Lumpsum		20.00		for removal of rubble					
6.	Transport of blocks (Market Enquiry)	0.5620	Cu.M.	300.00	168.60	6.	Mazdoor-Male for handling pre-cast blocks		Lumpsum		25.00	
TOTAL (M) =Rs.					5836.28	TOTAL (L) =Rs.					1051.54	

Total of (M) + (L) =	(I)	= `	6887.82	Total = (I) + (II) =	(III)	= `	7080.88
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	688.78
Add: Allowance for PF @13.61% of (L)		= `	143.11	Grand Total	=	(III)+(IV)= `	7769.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	49.95	This is cost for 10.0 Mtrs.			
Total of allowances =	(II)	= `	193.06	Therefore, Unit cost	=		
				7769.66 ÷ 10.0	=Rs.		776.97
			Say Rs. 777.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing cement concrete (1:2:4) water table etc.

Corresponding Item No. 48 of Section -XV of MbPT SOR 2014
 New Item No. 48 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement concrete (1:2:4) for pre-cast blocks (Item 28 above)	0.450	Cu.M.	5606.04	2522.72	1.	Mason I	0.500	No.	540.38	270.19	
						2.	Mason II	0.500	No.	525.00	262.50	
2.	Cement concrete (1:3:6) (Item 29 above)	0.4500	Cu.M.	5104.64	2297.09	3.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Cement mortar		Lumpsum		100.00	4.	Mazdoor-Female	0.330	No.	478.85	158.02	
4.	Mortar for pointing		Lumpsum		100.00	5.	Mazdoor-Male		Lumpsum		15.00	
5.	Sundries		Lumpsum		20.00		for removal of rubble					
6.	Transport of blocks (Market Enquiry)	0.4500	Cu.M.	300.00	135.00	6.	Mazdoor-Male for handling pre-cast blocks		Lumpsum		25.00	
TOTAL (M) =Rs.					5174.80	TOTAL (L) =Rs.					970.14	

Total of (M) + (L) =	(I)	= `	6144.94	Total = (I) + (II) =	(III)	= `	6323.06
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	614.49
Add: Allowance for PF @13.61% of (L)		= `	132.04	Grand Total	=	(III)+(IV)= `	6937.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	46.08	This is cost for 10.0 Mtrs.			
Total of allowances =	(II)	= `	178.12	Therefore, Unit cost	=		
				6937.55 ÷ 10.0	=Rs.		693.76
			Say Rs. 694.00	per Mtr.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing & paving with set stone 150 to 225mm and 100mm deep etc.

Corresponding Item No. 49 of Section -XV of MbPT SOR 2014
 New Item No. 49 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sett stone	10.000	Sq.M.	120.02	1200.22	1.	Mason I	0.500	No.	540.38	270.19	
2.	Cement concrete (1:3:6) (Item 29 above)	1.5000	Cu.M.	5104.64	7656.96	2.	Mason II	0.500	No.	525.00	262.50	
3.	Sand	0.5000	Cu.M.	2994.92	1497.46	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Mortar for jointing		Lumpsum		350.00	4.	Mazdoor-Female	1.000	No.	478.85	478.85	
5.	Mortar for pointing		Lumpsum		80.00							
6.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					10804.63	TOTAL (L) =Rs.					1490.39	

Total of (M) + (L) =	(I)	= `	12295.02	Total = (I) + (II) =	(III)	= `	12568.66
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	1229.50
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	202.84	Grand Total	=	(III)+(IV)= `	13798.16
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	70.79	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	273.64	Therefore, Unit cost 13798.16 ÷ 10.0	=	=Rs.	1379.82
			Say Rs. 1380.00	per Sq.M.			

Rate Analysis for 1.00 Sq.M. of Item:
Removing asphaltic courses by milling machine etc.
(a) upto 55 mm depth

Corresponding Item No. 50a of Section -XV of MbPT SOR 2014
 New Item No. 50a of Section -XV
 NBO Ref. No.53.11 Page:99 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rate for milling surfaces by milling machine incl. machine hire charges, fuel, operating cost, profit etc. for 55mm thick (Market Enquiry)	1.000	Sq.M.	105.93	105.93							
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					110.93	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 110.93
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = `

Item No.50b			
For each mm depth =	122.00	÷	55.00
		=	2.218
For 5 mm depth =	2.218	X	5.00
		=	11.09
Therefore, for additional 5 mm depth = Rs. 11.00			

Total = (I) + (II) = (III) = ` 110.93
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 11.09
 Grand Total = (III)+(IV)= ` 122.03

This is cost for 1.0 Sq.M.
 Therefore, Unit cost =
 122.03 ÷ 1.0 =Rs. 122.03

Say Rs. 122.00 per Sq.M.

Rate Analysis for 10.00 Mtrs. of Item:
Removing and re-fixing in proper alignment and to required slope etc.

Corresponding Item No. 51 of Section -XV of MbPT SOR 2014
 New Item No. 51 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement concrete (1:3:6) (Item 29 above)	0.7100	Cu.M.	5104.64	3624.29	1.	Mason I	1.000	No.	540.38	540.38	
2.	Cement mortar (1:2)	0.0700	Cu.M.	7354.00	514.78	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					4169.07	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) =	(I)	= `	5188.30	Total = (I) + (II) =	(III)	= `	5375.43
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	518.83
Add: Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	5894.26
Add: Allowance for Employee' insurance @4.75% of (L)		= `	48.41	This is cost for 10.0 Mtrs.			
Total of allowances =	(II)	= `	187.13	Therefore, Unit cost	=		
				5894.26 ÷ 10.0	=Rs.		589.43
			Say Rs. 589.00 per Mtr.				

Mortar requirement:

- | | | |
|--|--|--|
| 1. Length = 10 Mtrs. | 2. size = 0.3X0.45X0.15 Mtrs. | 3. No.of joints = 10.00/0.45 = 22.22 i.e.23 joints |
| 4. Area along kerb stone = 10.00X0.15 = 1.50 Sq.M. - (A) | 5. Area in bedding = 10.00X0.30 = 3.00 Sq.M. - (B) | |
| 6. Area in joints = 23X0.30X0.15 = 1.035 Sq.M. - (C) | 7. Total area = (A)+(B)+(C) = 5.535 Sq.M. | |
| 8. Mortar = 5.535X0.01 thick = 0.05535 Cu.M. | 9. Add: Wastage @15% = 0.05535X1.15 = 0.0637 | |
| | Say 0.07 Cu.M. | |

Rate Analysis for 10.00 Sq.M. of Item:
Providing and applying bitumen (grade:80/100) tack coat @0.5 Kg./Sq.M. of bitumen etc.

Corresponding Item No. 52 of Section -XV of MbPT SOR 2014
 New Item No. 52 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Bitumen-80/100	5.0000	Kgs.	34.92	174.62	1.	Mate	0.020	No.	478.85	9.58	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.220	No.	478.85	105.35	
TOTAL (M) =Rs.					182.62	TOTAL (L) =Rs.					114.92	

Total of (M) + (L) =	(I)	= `	297.54	Total = (I) + (II) =	(III)	= `	318.64
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	29.75
Add: Allowance for PF @13.61% of (L)		= `	15.64	Grand Total	=	(III)+(IV)= `	348.40
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.46	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	21.10	Therefore, Unit cost	=		
				348.40 ÷ 10.0	=Rs.		34.84
			Say Rs. 35.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Filling and consolidating soling of balder of stones not exceeding 30cm thick (main layer) including filling in depression which occurs during the process etc.

Attachment - 'A'

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. of Section -XV
 NBO Ref. No.26.76a Page:699 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.030	Day	5508.49	165.25	1.	Chowkidar	0.005	No.	498.08	2.49	
2.	Sundries		Lumpsum		5.00	2.	Mazdoor-Male	0.030	No.	478.85	14.37	
TOTAL (M) =Rs.					170.25	TOTAL (L) =Rs.					16.86	

Total of (M) + (L) =	(I)	= `	187.11	Total = (I) + (II) =	(III)	= `	190.21
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	18.71
Add: Allowance for PF @13.61% of (L)		= `	2.29	Grand Total	=	(III)+(IV)= `	208.92
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.80	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	3.09	Therefore, Unit cost	=		
				208.92 ÷	10.0	=Rs.	20.89
			Say Rs. 20.90		per Sq.M.		

Rate Analysis for 10.00 Sq.M. of Item:
Filling and consolidating WBM except latterite and kankar including watering 150mm thick (main layer) including material etc.

Attachment - 'B'

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. of Section -XV
 NBO Ref. No.26.78b Page:700 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.038	Day	5508.49	209.32	1.	Chowkidar	0.005	No.	498.08	2.49	
2.	Sundries		Lumpsum		5.00	2.	Bhisti	0.038	No.	478.85	18.20	
TOTAL (M) =Rs.					214.32	TOTAL (L) =Rs.					20.69	

Total of (M) + (L) =	(I)	= `	235.01	Total = (I) + (II) =	(III)	= `	238.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	23.50
Add: Allowance for PF @13.61% of (L)		= `	2.82	Grand Total	=	(III)+(IV)= `	262.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.98	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	3.80	Therefore, Unit cost	=		
				262.31	÷	10.0	=Rs. 26.23
			Say Rs. 26.20		per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Rolling and compacting tar and bitumen macadam surface (any thickness) including filling in depression which occurs etc.

Attachment - 'C'

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. of Section -XV
 NBO Ref. No.26.80b Page:700 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.068	Day	5508.49	374.58							
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					379.58	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	379.58	Total = (I) + (II) =	(III)	= `	379.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	37.96
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	417.54
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				417.54	÷	10.0	=Rs. 41.75
				Say Rs. 41.80	per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Rolling and compacting tar/ bitumen carpet (any thickness) including filling in depression which occurs with 8 -12 T road roller etc.

Attachment - 'D'

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. of Section -XV
 NBO Ref. No.26.81d Page:701 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.025	Day	5508.49	137.71							
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					142.71	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	142.71	Total = (I) + (II) =	(III)	= `	142.71
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	14.27
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	156.98
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				156.98 ÷	10.0	=Rs.	15.70
				Say Rs.	15.70	per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Rolling and compacting tar/ bitumen surface dressing including filling in depressions etc.

Attachment - 'E'

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. of Section -XV
 NBO Ref. No.26.82d Page:702 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges - road roller	0.013	Day	5508.49	71.61							
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					79.61	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	79.61	Total = (I) + (II) =	(III)	= `	79.61
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7.96
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	87.57
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				87.57	÷	10.0	=Rs. 8.76
			Say Rs. 8.80		per	Sq.M.	

Rate Analysis for 4.50 Sq.M. of Item:
Providing and fixing form work for RCC work, PCC work etc.

Attachment - 'F'

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Wooden planks-38mm thick	0.0171	Cu.M.	17711.07	302.86	1.	Carpenter II	1.00	No.	525.00	525.00	
2.	Battens	0.002	Cu.M.	17711.07	35.42	2.	Mazdoor-Male	0.75	No.	478.85	359.14	
3.	Bullies-80mm dia.	0.885	Mtrs.	59.32	52.50							
				Total =	390.78							
a)	This material can be used 16 times on same work. Therefore, for one use	390.78	÷	16.00	24.42							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					32.42	TOTAL (L) =Rs.					884.14	

Total of (M) + (L) = (I) = ` 916.56

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 162.33

Say Rs.

Total = (I) + (II) = (III) = ` 1078.89

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 1170.55

This is cost for 4.50 Sq.M.

Therefore, Unit cost = 1170.55 ÷ 4.50 =Rs. 260.12

per Sq.M.

260.00

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved multi-coloured (other than grey) cement concrete interlocking paver block including bedding with sand of minimum thickness of 50mm and filling of joints with fine sand etc.
(a) 100 mm thick

Corresponding Item No. of Section -XV of MbPT SOR 2014
 New Item No. 53a of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Paver blocks-100mm thick-col	10.000	Sq.M.	662.71	6627.14	1.	Mason II	1.00	No.	525.00	525.00	
2.	Sand	0.500	Cu.M.	2994.92	1497.46	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					8204.60	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) = (I) = ` 9208.45

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 136.62

Add: Allowance for Employee' insurance @4.75% of (L) = ` 47.68

Total of allowances = (II) = ` 184.31

Say Rs. 1031.00 per Sq.M.

Total = (I) + (II) = (III) = ` 9392.76

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 920.84

Grand Total = (III)+(IV)= ` 10313.60

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 10313.60 ÷ 10.00 =Rs. 1031.36

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved multi-coloured (other than grey) cement concrete interlocking paver block including bedding with sand of minimum thickness of 50mm and filling of joints with fine sand etc.
(b) 80 mm thick

Corresponding Item No. 53a of Section -XV of MbPT SOR 2014
 New Item No. 53b of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Paver blocks-80mm thick-colo	10.000	Sq.M.	600.00	6000.02	1.	Mason II	1.00	No.	525.00	525.00	
2.	Sand	0.500	Cu.M.	2994.92	1497.46	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					7577.48	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) = (I) = ` 8581.33

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 136.62

Add: Allowance for Employee' insurance @4.75% of (L) = ` 47.68

Total of allowances = (II) = ` 184.31

Say Rs.

Total = (I) + (II) = (III) = ` 8765.64

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 858.13

Grand Total = (III)+(IV)= ` 9623.77

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 9623.77 ÷ 10.00 =Rs. 962.38

per Sq.M.

962.00

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved multi-coloured (other than grey) cement concrete interlocking paver block including bedding with sand of minimum thickness of 50mm and filling of joints with fine sand etc.
(c) 60 mm thick

Corresponding Item No. 54a of Section -XV of MbPT SOR 2014
 New Item No. 53c of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Paver blocks-60mm thick-colored	10.000	Sq.M.	470.34	4703.40	1.	Mason II	1.00	No.	525.00	525.00	
2.	Sand	0.500	Cu.M.	2994.92	1497.46	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					6280.86	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	7284.71	Total = (I) + (II) =	(III)	= `	7469.02
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	728.47
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	8197.49
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				8197.49 ÷ 10.00	=Rs.		819.75
			Say Rs. 820.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved grey coloured cement concrete interlocking paver block including bedding with sand of minimum thickness of 50mm and filling of joints with fine sand etc.
(a) 100 mm thick

Corresponding Item No. of Section -XV of MbPT SOR 2014
New Item No. 54a of Section -XV
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Paver blocks-100mm thick-grey	10.000	Sq.M.	640.68	6406.80	1.	Mason II	1.00	No.	525.00	525.00	
2.	Sand	0.500	Cu.M.	2994.92	1497.46	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					7984.26	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) = (I) = ` 8988.11

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 136.62

Add: Allowance for Employee' insurance @4.75% of (L) = ` 47.68

Total of allowances = (II) = ` 184.31

Say Rs.

Total = (I) + (II) = (III) = ` 9172.42

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 898.81

Grand Total = (III)+(IV)= ` 10071.23

This is cost for 10.00 Sq.M.

Therefore, Unit cost = 10071.23 ÷ 10.00 =Rs. 1007.12

per Sq.M.

1007.00

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved grey coloured cement concrete interlocking paver block including bedding with sand of minimum thickness of 50mm and filling of joints with fine sand etc.
(b) 80 mm thick

Corresponding Item No. 53b of Section -XV of MbPT SOR 2014
New Item No. 54b of Section -XV
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Paver blocks-80mm thick-grey	10.000	Sq.M.	558.48	5584.76	1.	Mason II	1.00	No.	525.00	525.00	
2.	Sand	0.500	Cu.M.	2994.92	1497.46	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					7162.22	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	8166.07	Total = (I) + (II) =	(III)	= `	8350.38
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	816.61
Add: Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	9166.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				9166.99 ÷ 10.00	=Rs.		916.70
			Say Rs. 917.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying approved grey coloured cement concrete interlocking paver block including bedding with sand of minimum thickness of 50mm and filling of joints with fine sand etc. (c) 60 mm thick

Corresponding Item No. 54b of Section -XV of MbPT SOR 2014
 New Item No. 54c of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Paver blocks-60mm thick-grey	10.000	Sq.M.	422.04	4220.35	1.	Mason II	1.00	No.	525.00	525.00	
2.	Sand	0.500	Cu.M.	2994.92	1497.46	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					5797.81	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	6801.66	Total = (I) + (II) =	(III)	= `	6985.97
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	680.17
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	7666.14
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				7666.14 ÷ 10.00	=Rs.		766.61
			Say Rs. 767.00	per Sq.M.			

Rate Analysis for 0.44 MT of Item:
Supplying pre-mixed asphaltic chip coat at various places consisting 72% 12 mm size stone chips, 24% grit 4% bitumen all by weight etc.
(Only supplying)

Consider 10.00 Sq.M. area and 20 mm thick chip coat = $10 \times 0.02 = 0.2$ Cu.M.

Density of chip coat = 2.2 MT/ Cu.M.

Therefore, weight of 0.2 Cu.M. chip coat = $0.2 \times 2.2 = 0.44$ MT

Corresponding Item No. 55 of Section -XV of MbPT SOR 2014

New Item No. 55 of Section -XV

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Bitumen-Grade:30/40	17.800	Kgs.	31.98	569.30		Labour cost inclusive					
2.	Stone chips-12mm	0.168	Cu.M.	898.31	150.92							
3.	Stone grit	0.0437	Cu.M.	1372.89	60.00							
4.	Steam coal	4.000	Kgs.	15.25	61.02							
5.	Hire charges - plant	0.440	MT	847.46	372.88							
6.	Hire charges - dumper	0.050	Day	5932.22	296.61							
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					1560.72	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 1560.72 Total = (I) + (II) = (III) = ` 1560.72

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 156.07

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 1716.79

Add: Allowance for Employee' insurance @4.75% of (L) = ` This is cost for 0.44 MT
Therefore, Unit cost =
 $\frac{1716.79}{0.44} = \text{Rs. } 3901.80$

Total of allowances = (II) = ` Say Rs. **3902.00** per MT

Rate Analysis for 10.00 MT of Item:
Supplying hot pre-mixed asphaltic macadam (bitumen grade:30/40) with approved anti-stripping agent at the rate of 0.50% of bitumen by weight at various places etc.
(Only supplying)

Corresponding Item No. 56 of Section -XV of MbPT SOR 2014
 New Item No. 56 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Bitumen-Grade:30/40	386.36	Kgs.	31.98	12357.01							
2.	Stone aggregate-10/20mm	5.450	Cu.M.	898.31	4895.78							
3.	Hire charges - plant	10.000	MT	847.46	8474.60							
4.	Hire charges - dumper	0.500	Trip	2966.11	1483.06							
5.	Sundries		Lumpsum		350.00							
TOTAL (M) =Rs.					27560.44	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 27560.44

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 3032.00 per MT

Total = (I) + (II) = (III) = ` 27560.44

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2756.04

Grand Total = (III)+(IV)= ` 30316.48

This is cost for 10.00 MT

Therefore, Unit cost =
 30316.48 ÷ 10.00 =Rs. 3031.65

Rate Analysis for 300.00 MT of Item:
Providing & laying hot pre-mixed asphaltic macadam (bitumen grade:30/40) with approved anti-stripping agent at the rate of 0.50% of bitumen by weight, laid to the required thickness etc.

Corresponding Item No. 57 of Section -XV of MbPT SOR 2014
 New Item No. 57 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-mixed asphaltic macadam (Item 56 above)	300.00	MT	2756.04	826813.13	1.	Supervisor	2.00	No.	540.38	1080.76	
2.	Hire charges - paver	2.000	Day	7627.14	15254.28	2.	Muccadam	2.00	No.	540.38	1080.76	
3.	Hire charges - road roller	2.000	Day	5508.49	11016.98	3.	Mazdoor-Male	16.00	No.	478.85	7661.60	
4.	Sundries		Lumpsum		80.00	4.	Mazdoor-Female	8.00	No.	478.85	3830.80	
TOTAL (M) =Rs.					853164.39	TOTAL (L) =Rs.					13653.92	

Total of (M) + (L) =	(I)	= `	866818.31	Total = (I) + (II) =	(III)	= `	869325.17
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	86681.83
Add: Allowance for PF @13.61% of (L)		= `	1858.30	Grand Total	=	(III)+(IV)= `	956007.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	648.56	This is cost for	300.00	MT	
Total of allowances =	(II)	= `	2506.86	Therefore, Unit cost	=		
				956007.00	÷	300.0	=Rs. 3186.69
			Say Rs. 3187.00			per MT	

Rate Analysis for 1.00 MT of Item:
Supplying hot pre-mixed asphaltic concrete (bitumen grade:30/40) with approved anti-stripping agent at the rate of 0.50% of bitumen by weight at various places etc. (Only supplying)

Corresponding Item No. 58 of Section -XV of MbPT SOR 2014
 New Item No. 58 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Bitumen-Grade:30/40	60.00	Kgs.	31.98	1918.99							
2.	Stone aggregate	0.500	Cu.M.	898.31	449.15							
3.	Stone grit	0.300	Cu.M.	1372.89	411.87							
4.	Steam coal	13.000	Kgs.	15.25	198.31							
5.	Hire charges - plant	1.000	MT	847.46	847.46							
6.	Hire charges - dumper	0.0500	Trip	2966.11	148.31							
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					4024.08	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	4024.08	Total = (I) + (II) =	(III)	= `	4024.08
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	402.41
<u>Add</u> : Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	4426.49
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	MT	
Total of allowances =	(II)	= `		Therefore, Unit cost	4426.49	÷	1.00 =Rs. 4426.49
			Say Rs. 4426.00		per	MT	

Rate Analysis for 300.00 MT of Item:
Providing and laying hot pre-mixed asphaltic concrete wearing course (Bitumene grade:30/40) with approved anti-stripping agent at the rate of 0.50% of bitumen by weight, laid to the required thickness etc.

Corresponding Item No. 59 of Section -XV of MbPT SOR 2014
 New Item No. 59 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-mixed asphaltic concrete (Item 58 above)	300.00	MT	4024.08	1207223.68	1.	Supervisor	2.00	No.	540.38	1080.76	
2.	Hire charges - paver	2.000	Day	7627.14	15254.28	2.	Muccadam	2.00	No.	540.38	1080.76	
3.	Hire charges - road roller	2.000	Day	5508.49	11016.98	3.	Mazdoor-Male	16.00	No.	478.85	7661.60	
4.	Sundries		Lumpsum		80.00	4.	Mazdoor-Female	8.00	No.	478.85	3830.80	
TOTAL (M) =Rs.					1233574.94	TOTAL (L) =Rs.					13653.92	

Total of (M) + (L) = (I) = ` 1247228.86

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 1858.30

Add: Allowance for Employee' insurance @4.75% of (L) = ` 648.56

Total of allowances = (II) = ` 2506.86

Say Rs. 4582.00 per MT

Total = (I) + (II) = (III) = ` 1249735.72

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 124722.89

Grand Total = (III)+(IV)= ` 1374458.60

This is cost for 300.00 MT

Therefore, Unit cost = 1374458.60 ÷ 300.0 =Rs. 4581.53

Rate Analysis for 100.0 Mtrs. of Item:
Fixing in position existing pre-cast cement concrete divider blocks available at site, on cement concrete (1:3:6) 450X150 mm thick including setting CM (1:3) and cement pointing (1:1), curing etc.

Corresponding Item No. 60 of Section -XV of MbPT SOR 2014
 New Item No. 60 of Section -XV
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Concrete in bedding (1:3:6) (Item 2a, Section-IV)	2.500	Cu.M.	4934.47	12336.18	1.	Mason II	4.00	No.	525.00	2100.00	
2.	Cement	0.359	MT	5762.73	2068.82	2.	Bhisti	7.00	No.	478.85	3351.95	
3.	Sand	0.730	Cu.M.	2994.92	2186.29	3.	Mazdoor-Male	7.00	No.	478.85	3351.95	
4.	Sundries		Lumpsum		80.00	4.	Mazdoor-Male for shifting blocks		Lumpsum		500.00	
TOTAL (M) =Rs.					16671.29	TOTAL (L) =Rs.					9303.90	

Total of (M) + (L) = (I) = ` 25975.19

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 1708.20

Say Rs.

Total = (I) + (II) = (III) = ` 27683.39

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 30280.91

This is cost for 100.0 Mtrs.

Therefore, Unit cost = 30280.91 ÷ 100.0 =Rs. 302.81

303.00 per Mtr.

Rate Analysis for 0.9375 Cu.M. of Item:
Providing and fixing in position pre-cast cement concrete M20 grade divider blocks (300X400X450 mm long), laid on cement concrete (1:3:6) 450X150 mm thick setting CM (1:3) and cement pointing (1:1), finishing smooth, curing, boxing, compacting the divider block or kerb block/ water table etc.

Corresponding Item No. 61 of Section -XV of MbPT SOR 2014
 New Item No. 61 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Concrete - M20 RMC = 5% wastage incl. transport	0.9844	Cu.M.	4422.05	4352.95	1.	Mason I	0.60	No.	540.38	324.23	
2.	Concrete for fixing (1:3:6)		Lumpsum		600.00	2.	Mason II	0.60	No.	525.00	315.00	
3.	Mortar for pointing		Lumpsum		200.00	3.	Mazdoor-Male	0.60	No.	478.85	287.31	
4.	Compaction, cutting		Lumpsum		100.00	4.	Mazdoor-Female	0.60	No.	478.85	287.31	
5.	Shuttering, tools etc.		Lumpsum		200.00							
6.	Handling charges		Lumpsum		80.00							
7.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					5612.95	TOTAL (L) =Rs.					1213.85	

Total of (M) + (L) =	(I)	= `	6826.80	Total = (I) + (II) =	(III)	= `	7049.66
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	682.68
Add: Allowance for PF @13.61% of (L)		= `	165.20	Grand Total	=	(III)+(IV)= `	7732.34
Add: Allowance for Employee' insurance @4.75% of (L)		= `	57.66	This is cost for	0.9375	Cu.M.	
Total of allowances =	(II)	= `	222.86	Therefore, Unit cost	7732.34	÷	0.9375 =Rs. 8247.83
			Say Rs. 8248.00			per Cu.M.	

Rate Analysis for 30.0 Mtrs. of Item:
Removing carefully the existing water tables/ Kerb stone including cleaning of mortar and re-fixing the same to the required line and level over the concrete as directed and pointing with CM (1:3), curing etc.

Corresponding Item No. 62 of Section -XV of MbPT SOR 2014
 New Item No. 62 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.050	MT	5762.73	288.14	1.	Mason II	1.00	No.	525.00	525.00	
2.	Sand	0.100	Cu.M.	2994.92	299.49	2.	Mazdoor-Male	4.00	No.	478.85	1915.40	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					667.63	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	3108.03	Total = (I) + (II) =	(III)	= `	3556.09
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	310.80
Add: Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	3866.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	30.0	Mtrs.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				3866.89 ÷	30.0	=Rs.	128.90
			Say Rs. 129.00	per Mtr.			

Rate Analysis for 100.0 Mtrs. of Item:
Removing carefully existing concrete divider blocks, cleaning of old mortar etc., transporting and carefully stacking the same at site for reusing in the work including providing necessary security arrangement etc.

Corresponding Item No. 63 of Section -XV of MbPT SOR 2014
 New Item No. 63 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Transportation of useful dividers by lorry	0.600	Day	5932.22	3559.33	1.	Mazdoor-Male	5.00	No.	478.85	2394.25	
2.	Removing debris with old concrete etc. (Item 17, Section-III)	4.030	Cu.M.	410.00	1652.30							
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					5291.63	TOTAL (L) =Rs.					2394.25	

Total of (M) + (L) = (I) = ` 7685.88

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 325.86

Add: Allowance for Employee' insurance @4.75% of (L) = ` 113.73

Total of allowances = (II) = ` 439.58

Say Rs.

Total = (I) + (II) = (III) = ` 8125.47

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 768.59

Grand Total = (III)+(IV)= ` 8894.05

This is cost for 100.0 Mtrs.

Therefore, Unit cost = 8894.05 ÷ 100.0 =Rs. 88.94

per Mtr.

89.00

Rate Analysis for 20.0 Sq.M. of Item:
Removing existing mastic asphalt etc.

Corresponding Item No. 64 of Section -XV of MbPT SOR 2014
 New Item No. 64 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		250.00	1.	Muccadam	1.00	No.	540.38	540.38	
						2	Mazdoor-Male	4.00	No.	478.85	1915.40	
TOTAL (M) =Rs.					250.00	TOTAL (L) =Rs.					2455.78	

Total of (M) + (L) =	(I)	= `	2705.78	Total = (I) + (II) =	(III)	= `	3156.66
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	270.58
Add: Allowance for PF @13.61% of (L)		= `	334.23	Grand Total	=	(III)+(IV)= `	3427.24
Add: Allowance for Employee' insurance @4.75% of (L)		= `	116.65	This is cost for	20.0	Sq.M.	
Total of allowances =	(II)	= `	450.88	Therefore, Unit cost		=	
				3427.24	÷	20.0	=Rs. 171.36
			Say Rs. 171.00		per	Sq.M.	

Rate Analysis for 1.0 Sq.M. of Item:
Extra over rate for using vibratory road rolled instead of 8 to 10 roller etc.

Corresponding Item No. 65 of Section -XV of MbPT SOR 2014
 New Item No. 65 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for vibratory roller (for 8 hours)	1.00	Day	10593.25								
2.	Hire charges for 8-10T road roller (for 8 hours)	1.00	Day	5508.49								
3.	Difference in hire charges i.e. per hour = Vibratory roller covers 100 Sq.M. per hour. Rate per Sq.M. =	8.00	Hrs.	5084.76 635.60								
		635.60	÷	100.00	6.36							
TOTAL (M) =Rs.					6.36	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	6.36	Total = (I) + (II) =	(III)	= `	6.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	0.64
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	6.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	6.99	÷	1.0 =Rs. 6.99
				Say Rs. 7.00 per Sq.M.			

Rate Analysis for 10.0 Cu.M. of Item:
Excavation for road work manually/ using JCB/ mechanical equipmentvibratory roller etc.

Corresponding Item No. 66 of Section -XV of MbPT SOR 2014
 New Item No. 66 of Section -XV
 NBO Ref. No.4.2a Page:51 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for vibratory roller (for 1/10 day)	0.10	Day	10593.25	1059.33	1.	Excavator	1.410	Nos.	498.08	702.29	
2.	Hire charges for tools & tackles (Market Enquiry)		Lumpsum		80.00	2.	Breaker	3.180	Nos.	498.08	1583.89	
						3.	Hole driller	0.710	No.	498.08	353.64	
						4.	Mazdoor-Male	7.470	Nos.	478.85	3577.01	
TOTAL (M) =Rs.					1139.33	TOTAL (L) =Rs.					6216.83	

Total of (M) + (L) =	(I)	= `	7356.16	Total = (I) + (II) =	(III)	= `	8497.57
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	735.62
Add: Allowance for PF @13.61% of (L)		= `	846.11	Grand Total	=	(III)+(IV)= `	9233.18
Add: Allowance for Employee' insurance @4.75% of (L)		= `	295.30	This is cost for	10.0	Cu.M.	
Total of allowances =	(II)	= `	1141.41	Therefore, Unit cost	=		
				9233.18 ÷	10.0	=Rs.	923.32
			Say Rs. 923.00	per Cu.M.			

Rate Analysis for 30.0 Mtrs. of Item:
Supplying and fixing 22 gauge GI corrugated sheets etc.

Corresponding Item No. 67 of Section -XV of MbPT SOR 2014
 New Item No. 67 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	GI corrugated sheets	10.00	Nos.	635.60	6355.95	1.	Fitter II	0.50	No.	525.00	262.50	
2.	Nails, wire etc.		Lumpsum		50.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		30.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					6435.95						741.35	

Total of (M) + (L) = (I) = ` 7177.30

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 100.90

Add: Allowance for Employee' insurance @4.75% of (L) = ` 35.21

Total of allowances = (II) = ` 136.11

Say Rs.

Total = (I) + (II) = (III) = ` 7313.41

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 717.73

Grand Total = (III)+(IV)= ` 8031.14

This is cost for 30.0 Mtrs.

Therefore, Unit cost = 8031.14 ÷ 30.0 =Rs. 267.70

per Mtr.

268.00

Rate Analysis for 30.0 Mtrs. of Item:
Dismantling the GI sheets barricade and re-erecting the same at another location etc.

Corresponding Item No. 68 of Section -XV of MbPT SOR 2014
 New Item No. 68 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Nails, wire etc.		Lumpsum		90.00	1.	Fitter II	1.00	No.	525.00	525.00	
2.	Sundries		Lumpsum		30.00	2.	Mazdoor-Male	1.50	No.	478.85	718.28	
TOTAL (M) =Rs.					120.00	TOTAL (L) =Rs.					1,243.28	

Total of (M) + (L) =	(I)	= `	1363.28	Total = (I) + (II) =	(III)	= `	1591.54
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	136.33
Add: Allowance for PF @13.61% of (L)		= `	169.21	Grand Total	=	(III)+(IV)= `	1727.87
Add: Allowance for Employee' insurance @4.75% of (L)		= `	59.06	This is cost for 30.0 Mtrs.			
Total of allowances =	(II)	= `	228.27	Therefore, Unit cost	=		
				1727.87 ÷	30.0	=Rs.	57.60
			Say Rs. 58.00	per Mtr.			

Rate Analysis for 2.4 Cu.M. of Item:
Providing and laying sub-base comprising of 40 to 90 mm size stone metal etc.

Corresponding Item No. 69 of Section -XV of MbPT SOR 2014
 New Item No. 69 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal - 40-90 mm	3.20	Cu.M.	974.58	3118.65	1.	Mate	0.100	No.	478.85	47.89	
2.	Stone dust	0.25	Cu.M.	1197.46	299.37	2.	Bhisti	0.520	No.	478.85	249.00	
3.	Hire - Vibratory roller	0.074	Day	10593.25	783.90	3.	Mazdoor-Male	1.040	No.	478.85	498.00	
4.	Sundries		Lumpsum		50.00	4.	Chowkidar	0.074	No.	498.08	36.86	
TOTAL (M) =Rs.					4251.92	TOTAL (L) =Rs.					831.75	

Total of (M) + (L) =	(I)	= `	5083.67	Total = (I) + (II) =	(III)	= `	5236.38
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	508.37
Add: Allowance for PF @13.61% of (L)		= `	113.20	Grand Total	=	(III)+(IV)= `	5744.74
Add: Allowance for Employee' insurance @4.75% of (L)		= `	39.51	This is cost for 2.4 Cu.M.			
Total of allowances =	(II)	= `	152.71	Therefore, Unit cost	=		
				5744.74 ÷ 2.4	=Rs.		2393.64
			Say Rs. 2394.00	per Cu.M.			

Rate Analysis for 2.4 Cu.M. of Item:
Laying only 40 to 90 mm size stone metal available from site during excavation, in sub-base etc.

Corresponding Item No. 70 of Section -XV of MbPT SOR 2014
 New Item No. 70 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone dust	0.25	Cu.M.	1197.46	299.37	1.	Mate	0.100	No.	478.85	47.89	
2.	Hire - Vibratory roller	0.074	Day	10593.25	783.90	2.	Bhisti	0.520	No.	478.85	249.00	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor-Male	1.040	No.	478.85	498.00	
						4.	Chowkidar	0.074	No.	498.08	36.86	
TOTAL (M) =Rs.					1133.27	TOTAL (L) =Rs.					831.75	

Total of (M) + (L) =	(I)	= `	1965.01	Total = (I) + (II) =	(III)	= `	2117.72
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	196.50
Add: Allowance for PF @13.61% of (L)		= `	113.20	Grand Total	=	(III)+(IV)= `	2314.23
Add: Allowance for Employee' insurance @4.75% of (L)		= `	39.51	This is cost for 2.4 Cu.M.			
Total of allowances =	(II)	= `	152.71	Therefore, Unit cost	=		
				2314.23 ÷ 2.4	=Rs.		964.26
			Say Rs. 964.00	per Cu.M.			

Rate Analysis for 1.0 Cu.M. of Item:
Providing and laying water bound macadam comprising of 40 to 63 mm size metal etc.

Corresponding Item No. 71 of Section -XV of MbPT SOR 2014
 New Item No. 71 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone metal - 40-63 mm	1.50	Cu.M.	1135.60	1703.39	1.	Mate	0.070	No.	478.85	33.52	
2.	Stone dust	0.25	Cu.M.	1197.46	299.37	2.	Bhisti	0.350	No.	478.85	167.60	
3.	Hire - Vibratory roller	0.05	Day	10593.25	529.66	3.	Mazdoor-Male	0.710	No.	478.85	339.98	
4.	Sundries		Lumpsum		50.00	4.	Chowkidar	0.050	No.	498.08	24.90	
TOTAL (M) =Rs.					2582.42	TOTAL (L) =Rs.					566.00	

Total of (M) + (L) =	(I)	= `	3148.43	Total = (I) + (II) =	(III)	= `	3252.35
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	314.84
Add: Allowance for PF @13.61% of (L)		= `	77.03	Grand Total	=	(III)+(IV)= `	3567.19
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.89	This is cost for 1.0 Cu.M.			
Total of allowances =	(II)	= `	103.92	Therefore, Unit cost	=		
				3567.19 ÷ 1.0	=Rs.		3567.19
			Say Rs. 3567.00	per Cu.M.			

Rate Analysis for 1.0 Cu.M. of Item:
Laying only water bound macadam of any consolidated thicknesses etc.

Corresponding Item No. 72 of Section -XV of MbPT SOR 2014
 New Item No. 72 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stone dust	0.25	Cu.M.	1197.46	299.37	1.	Mate	0.070	No.	478.85	33.52	
2.	Hire - Vibratory roller	0.05	Day	10593.25	529.66	2.	Bhisti	0.350	No.	478.85	167.60	
3.	Sundries		Lumpsum		50.00	3.	Mazdoor-Male	0.710	No.	478.85	339.98	
						4.	Chowkidar	0.050	No.	498.08	24.90	
TOTAL (M) =Rs.					879.03	TOTAL (L) =Rs.					566.00	

Total of (M) + (L) =	(I)	= `	1445.03	Total = (I) + (II) =	(III)	= `	1548.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	144.50
Add: Allowance for PF @13.61% of (L)		= `	77.03	Grand Total	=	(III)+(IV)= `	1693.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.89	This is cost for 1.0 Cu.M.			
Total of allowances =	(II)	= `	103.92	Therefore, Unit cost	=		
				1693.45 ÷ 1.0	=Rs.		1693.45
			Say Rs. 1693.00	per Cu.M.			

Rate Analysis for 10.0 Cu.M. of Item:
Providing and laying M10 grade ready mix cement concrete etc.

Corresponding Item No. 73 of Section -XV of MbPT SOR 2014
 New Item No. 73 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	RMC M10 grade+5% wastage	10.50	Cu.M.	3911.03	41065.79	1.	Mason I	1.00	No.	540.38	540.38	
2.	Tools, plant & fuel etc.		Lumpsum		300.00	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
3.	Sundries incl. curing etc.		Lumpsum		300.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					41665.79						1,498.08	

Total of (M) + (L) =	(I)	= `	43163.87	Total = (I) + (II) =	(III)	= `	43438.92
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	4316.39
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	203.89	Grand Total	=	(III)+(IV)= `	47755.31
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	71.16	This is cost for 10.0 Cu.M.			
Total of allowances =	(II)	= `	275.05	Therefore, Unit cost	=		
			Say Rs. 4776.00	47755.31 ÷ 10.0	=Rs.	4775.53	
				per Cu.M.			

Rate Analysis for 62.4 Cu.M. of Item:
Providing and laying M40 grade ready mix cement concrete etc.

Corresponding Item No. 74 of Section -XV of MbPT SOR 2014
 New Item No. 74 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	RMC M40 grade+5% wastage	65.52	Cu.M.	5207.64	341204.68	1.	Operator	3.00	No.	540.38	1,621.14	
2.	Cement mortar (1:10) for vata		Lumpsum		2500.00	2.	Fitter I	2.00	No.	540.38	1,080.76	
3.	Steel shuttering		Lumpsum		500.00	3.	Mason I	3.00	No.	540.38	1,621.14	
4.	Tools, plant & fuel etc.		Lumpsum		900.00	4.	Mazdoor-Male	9.00	No.	478.85	4,309.65	
5.	Sundries incl. curing etc.		Lumpsum		900.00							
TOTAL (M) =Rs.					346004.68	TOTAL (L) =Rs.					8,632.69	

Total of (M) + (L) = (I) = ` 354637.37

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 1174.91

Add: Allowance for Employee' insurance @4.75% of (L) = ` 410.05

Total of allowances = (II) = ` 1584.96

Total = (I) + (II) = (III) = ` 356222.34

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 35463.74

Grand Total = (III)+(IV)= ` 391686.07

This is cost for 62.4 Cu.M.

Therefore, Unit cost = 391686.07 ÷ 62.4 =Rs. 6277.02

Say Rs. 6277.00 per Cu.M.

Rate Analysis for 3.0 Mtrs. of Item: (10 Nos. pipes of 0.3 Mtrs. long each)
Providing and fixing HDPE pipe of 40 mm dia. or nearest to fit around the dowel bars of 32 mm dia. etc.

Corresponding Item No. 75 of Section -XV of MbPT SOR 2014
 New Item No. 75 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	HDPE pipe (Market Enquiry)	3.00	Mtrs.	45.00	135.00	1.	Fitter II	0.33	No.	525.00	173.25	
2.	Class wool caps		Lumpsum		30.00	2.	Mazdoor-Male	0.33	No.	478.85	158.02	
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					173.00	TOTAL (L) =Rs.					331.27	

Total of (M) + (L) =	(I)	= `	504.27	Total = (I) + (II) =	(III)	= `	565.09
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	50.43
Add: Allowance for PF @13.61% of (L)		= `	45.09	Grand Total	=	(III)+(IV)= `	615.52
Add: Allowance for Employee' insurance @4.75% of (L)		= `	15.74	This is cost for 3.0 Mtrs.			
Total of allowances =	(II)	= `	60.82	Therefore, Unit cost	=		
				615.52 ÷ 3.0	=Rs.		205.17
			Say Rs. 205.00	per Mtr.			

Rate Analysis for 10.0 Cu.M. of Item:
Providing and laying M10 grade ready mix cement concrete etc.

Corresponding Item No. 76 of Section -XV of MbPT SOR 2014
 New Item No. 76 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	RMC M10 grade+5% wastage	10.50	Cu.M.	3911.03	41065.79	1.	Mason I	1.00	No.	540.38	540.38	
2.	Steel shuttering		Lumpsum		150.00	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
3.	Tools, plant & fuel etc.		Lumpsum		300.00							
4.	Sundries incl. curing etc.		Lumpsum		300.00							
TOTAL (M) =Rs.					41815.79	TOTAL (L) =Rs.					1,498.08	

Total of (M) + (L) =	(I)	= `	43313.87	Total = (I) + (II) =	(III)	= `	43588.92
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	4331.39
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	203.89	Grand Total	=	(III)+(IV)= `	47920.31
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	71.16	This is cost for	10.0	Cu.M.	
Total of allowances =	(II)	= `	275.05	Therefore, Unit cost		=	
				47920.31	÷	10.0	=Rs. 4792.03
			Say Rs. 4792.00	per Cu.M.			

Rate Analysis for 0.9375 Cu.M. of Item:
Providing and fixing in position pre-cast cement concrete M20 grade double headed divider blocks etc.

Corresponding Item No. 77 of Section -XV of MbPT SOR 2014
 New Item No. 77 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	RMC M20 grade	0.9375	Cu.M.	4422.05	4145.67	1.	Mason I	0.60	No.	540.38	324.23	
2.	RMC M10 grade	0.225	Cu.M.	3911.03	879.98	2.	Mason II	0.60	No.	525.00	315.00	
3.	Cement mortar (1:3) for fixing		Lumpsum		150.00	3.	Mazdoor-Male	0.60	No.	478.85	287.31	
4.	Cement mortar (1:1) for point		Lumpsum		150.00	4.	Mazdoor-Female	0.60	No.	478.85	287.31	
5.	Handling charges		Lumpsum		30.00							
6.	Tools, plant & fuel etc.		Lumpsum		150.00							
7.	Sundries incl. curing etc.		Lumpsum		80.00							
TOTAL (M) =Rs.					5585.65	TOTAL (L) =Rs.					1,213.85	

Total of (M) + (L) = (I) = ` 6799.50
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 165.20
Add: Allowance for Employee' insurance @4.75% of (L) = ` 57.66
 Total of allowances = (II) = ` 222.86

Single headed Road divider
 Qty. of M20 = $10M[(0.3 \times 0.4) - (0.15 \times 0.15) - (0.5 \times 0.15 \times 0.05)] = 0.9375$ Cu.M.
 Qty. of M10 = $10M \times 0.15 \times 0.15 = 0.225$ Cu.M.

Total = (I) + (II) = (III) = ` 7022.36
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 679.95
 Grand Total = (III)+(IV)= ` 7702.31

This is cost for 0.9375 Cu.M.
 Therefore, Unit cost = $\frac{7702.31}{0.9375} = \text{Rs. } 8215.80$

Say Rs. 8216.00 per Cu.M.

Rate Analysis for 1.0 No. of Item:
Construction of RCC water gully of size 750X750mm clear internal opening in plan etc.

Corresponding Item No. 78 of Section -XV of MbPT SOR 2014
 New Item No. 78 of Section -XV
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Excavation (Section-III, Item No.3a)	2.20	Cu.M.	202.00	444.40							
2.	Rubble packing - 150mm thick (Section-XXI, Item No.1b)	1.50	Sq.M.	359.00	538.50							
3.	Cement concrete (1:3:6) (Section-IV, Item No.2b)	0.11	Cu.M.	5778.00	635.58							
4.	Cement concrete (1:1.5:3) in walls (Section-V, Item No.11bii)	0.79	Cu.M.	8403.00	6638.37							
5.	HYSD Reinforcement (Section-V, Item No.16)	0.30	qntl.	6355.00	1906.50							
6.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					10213.35	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	10213.35	Total = (I) + (II) =	(III)	= `	10213.35
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	1021.34
<u>Add</u> : Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 11234.69
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	11234.69	÷	1.0 =Rs. 11234.69
			Say Rs. 11235.00			per each	

Rate Analysis for 1.0 No. of Item:
Providing, fabricating and fixing in position watergully grating with steel frame etc.

Corresponding Item No. 79 of Section -XV of MbPT SOR 2014
 New Item No. 79 of Section -XV
 NBO Ref. No. . Page: Vol:

For 1 No. of Water gully grating.

Qntity of old rails = $5 \times 0.95 =$

Qnty. Of structural steel for frame:

ISA-75X75X8=(2×0.95)+(2×0.75) =

Weight = 3.4×7.4 Kgs./Mtr. =

Flat (75X8):

over angle=(3.4×0.075) $\times 62.8 =$

Hold-fast=($4 \times 2 \times 0.10$) $\times 0.075 \times 62.8 =$

Support strips to old rails assembly:

($2 \times 3 \times 0.75$) $\times 0.075 \times 62.8 =$

4.75 Mtrs.

3.40 Mtrs.

25.16 Kgs.

16.01 Kgs.

3.77 Kgs.

21.20 Kgs.

Total quantity of structural steel:

Frame = 25.16 Kgs.

Flat over angle = 16.01 Kgs.

Flat for hold-fast = 3.77 Kgs.

Flat for support = 21.20 Kgs.

Total = 66.14 Kgs.

i.e. 0.6614 qntl.

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Collecting used railsetc. (Section-XI, Item No.13)	4.75	Mtrs.	859.00	4080.25							
2.	Steel work in singleetc. (Section-XI, Item No.1a)	0.6614	qntl.	7089.00	4688.45							
TOTAL (M) =Rs.					8768.70	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 8768.70

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 8768.70

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 876.87

Grand Total = (III)+(IV)= ` 9645.57

This is cost for 1.0 No.

Therefore, Unit cost =
 $\frac{9645.57}{1.0} = \text{Rs. } 9645.57$

Say Rs. 9,646.00 per each

Rate Analysis for 10.0 Cu.M. of Item:
Providing and laying M40 grade ready mix cement concrete in kerb beam, central beam etc.

Corresponding Item No. 80 of Section -XV of MbPT SOR 2014
 New Item No. 80 of Section -XV
 NBO Ref. No. . Page: Vol:

Length of beam for 10.0 Cu.M. of concrete:
 $0.25 \times 0.30 \times L = 10.0$
 Therefore, $L = 10 / (0.25 \times 0.30) = 133.33$ say 135.00 Mtrs.
 Shuttering required = $0.30 \times 135 = 40.50$ Sq.M.

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	RMC M40 grade+5% wastage	10.50	Cu.M.	5207.64	54680.24	1.	Mason I	1.00	No.	540.38	540.38	
2.	Cost of shuttering (Market Enquiry)	40.50	Sq.M.	40.00	1620.00	2.	Fitter I	2.00	No.	540.38	1,080.76	
3.	Tools, plant & fuel		Lumpsum		300.00	3.	Operator	1.00	No.	540.38	540.38	
4.	Sundries incl. curing etc.		Lumpsum		300.00	4.	Mazdoor-Male	2.00	No.	478.85	957.70	
TOTAL (M) =Rs.					56900.24	TOTAL (L) =Rs.					3119.22	

Total of (M) + (L) =	(I)	= `	60019.46	Total = (I) + (II) =	(III)	= `	60592.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	6001.95
Add: Allowance for PF @13.61% of (L)		= `	424.53	Grand Total	=	(III)+(IV)= `	66594.09
Add: Allowance for Employee' insurance @4.75% of (L)		= `	148.16	This is cost for	10.0	Cu.M.	
Total of allowances =	(II)	= `	572.69	Therefore, Unit cost	=		
				66594.09	÷	10.0	=Rs. 6659.41
			Say Rs. 6,659.00		per Cu.M.		

XVI - Sanitary fittings & Downtake pipes

Sr. No.	Item Description	Rate in `	Unit
1	Providing and fixing in position 580 mm (23") long approved type, Indian style white glazed vitreous chinaware w.c. pan with raised white glazed foot rests, earthenware 'P' trap with vent connection to 100 mm (4") soil pipe outside by means of 100 mm (4") CI soil plug bend of required length and vent connected to anti-siphonage pipe by 32 mm dia. lead pipe upto the required level, 10 litres CI flushing cistern of approved type with approved 15 mm nominal size brass ball valve, polythene float, CI brackets, GI chain and handle, 15 mm (1/2") dia brass stop cock, 15 mm (1/2") dia GI over-flow pipe with brass mosquito-proof coupling, 32 mm (1.25") dia GI flushing pipe with bends etc. and necessary length of 32 mm (1.25") dia PVC pipe embedded in chase, 15 mm (1/2") dia. required length PVC pipe connection to flushing cistern, brick bat coba in bedding & backing for fixing w.c. pan including brick bat coba in entire sunken portion (maximum 1.2 Sq.M.) of the slab & painting with synthetic enamel paint in 3 coats to flushing cistern, pipes and fittings wherever required complete in all respects as directed (All pipes, fittings, cistern etc. to bear ISI mark or tested by MCGM).	6,650.00	Each
2	-- do -- do -- Indian style w.c. pan with CP flush valve instead of flushing cistern -- do -- -- do -- as in Item No.1 above (GI inlet to flush valve will be paid separately).	6,303.00	Each
3	-- do -- do -- 580 mm Orissa pattern -- do -- -- do -- as in Item No.1 above.	7,362.00	Each
4	Providing and fixing in position European type white glazed vitreous chinaware w.c. pan, having integral 'P' or 'S' trap with vent connection to 100 mm (4") soil pipe outside by means of 100 mm (4") CI soil plug bend of required length and vent pipe connected to anti-siphonage pipe by 32 mm dia. PVC pipe upto required level, 10 litres capacity PVC flushing cistern of approved type with approved 15 mm nominal size brass ball valve,	5,214.00	Each

XVI - Sanitary fittings & Downtake pipes

Sr. No.	Item Description	Rate in `	Unit
	polythene float, CI brackets, GI chain and handle, 15 mm (1/2") dia. brass stop cock, 15 mm (1/2") dia. GI over-flow pipe with brass mosquito-proof coupling, 32 mm (1.25") dia. GI flush pipe with bends etc. and necessary length of 32 mm (1.25") dia. PVC pipe, 15 mm (1/2") dia. GI pipe connection of required length to flushing cistern including painting with synthetic enamel paint in 3 coats to pipes and fittings wherever required complete in all respects (All pipes, fittings, cistern etc. to bear ISI mark or tested by MCGM).		
5	-- do -- do -- European type with low level chinaware flush tank etc. -- do -- do -- as in Item No.4 above.	6,036.00	Each
6	Providing & fixing bowl pattern white glazed vitreous chinaware urinal including PVC drain pipe (waste pipe) and connecting the urinal with waste pipe jointed with white lead mixed with chopped hemp etc. complete (waste pipe will be measured and paid separately. All fittings to bear ISI mark or to be MCGM tested).		
	(a) Flat back type of size 440X315X265 mm	1,459.00	Each
	(b) Angle back type 430X370X340 mm	1,563.00	Each
	(c) Large back or high back (semi stall) of size 610X400X380 mm	2,858.00	Each
7	Providing and fixing high level PVC flushing cistern with a pair of CI or mild steel or CP brackets complete with fittings such as GI inlet pipe connection and 32 mm dia GI flush pipe, syphonic arrangement, 15 mm nominal size PVC ball valve with polythene float, lever, pulling arrangement, unions & couplings for connections with inlet, outlet and over-flow pipe with brass mosquito-proof coupling etc. including making holes in walls and reinstating the same, three coats of synthetic enamel paint for the GI, pipes & fittings etc. complete (All fittings and pipes to bear ISI mark or tested by MCGM).		
	(a) 5 litres capacity	2,807.00	Each
	(b) 10 litres capacity	2,886.00	Each

XVI - Sanitary fittings & Downtake pipes

Sr. No.	Item Description	Rate in `	Unit
8	Providing and fixing PVC automatic flushing cistern --do-- -- do -- as in Item No.7 above.		
	(a) 5 litres capacity	1,609.00	Each
	(b) 10 litres capacity	1,737.00	Each
9	Providing & fixing white glazed vitreous chinaware wash hand basin including pillar tap, stop cock, CI brackets painted in white, GI pipe inlet & bottle trap, PVC drain pipe including making holes in walls and reinstating the same etc. complete as directed.		
	(a) Flat back wash basin 630X510 mm size	4,302.00	Each
	(b) -- do -- 550X400 mm size	2,936.00	Each
	(c) -- do -- 450X300 mm size	2,743.00	Each
	(d) Angle back wash basin 400X400 mm size	2,743.00	Each
10	Providing & fixing white glazed vitreous chinaware laboratory sink 450X300X150 mm size with over-flow, 15 mm nominal size chromium plated bib tap, GI pipe connection, waste water connection, CI brackets painted in white including making holes and reinstating the same etc. complete as directed.	2,924.00	Each
11	Providing & fixing white glazed vitreous chinaware kitchen sink with over-flow, CP bib tap – do -- as in Item No.10 above.		
	(a) 610X450X250 mm size	5,432.00	Each
	(b) 610X450X200 mm size	4,966.00	Each
12	Providing & fixing aluminium drain boards 600X450 mm etc. complete as directed.	750.00	Each
13	Providing & fixing chromium plated brass towel rods with chromium plated brackets etc. complete as directed.		
	(a) 750X20 mm dia.	493.00	Each
	(b) 600X20 mm dia.	445.00	Each
14	-- do -- -- do -- stainless steel towel rods with brackets – do --- do -- as in Item No.13 above.		
	(a) 750X20 mm dia.	258.00	Each
	(b) 600X20 mm dia.	237.00	Each
15	-- do -- do -- anodised aluminium towel rods with brackets – do --- do -- as in Item No.13 above.		
	(a) 750X20 mm dia.	204.00	Each
	(b) 600X20 mm dia.	189.00	Each

XVI - Sanitary fittings & Downtake pipes

Sr. No.	Item Description	Rate in `	Unit
16	Providing and fixing plate glass mirror 600X450 mm bevelled edged with oil tempered hard board back etc. complete as directed.	1,231.00	Each
17	Providing and fixing 600X120 mm glass shelf with chromium plated brass brackets etc. complete as directed.	648.00	Each
18	Providing and fixing PVC tooth brush & tumbler holder with brackets etc. complete as directed.	114.00	Each
19	Providing and fixing brass robe hook etc. complete as directed.	75.00	Each
20	Providing and fixing vitreous chinaware toilet paper holder etc. complete as directed.	508.00	Each
21	Providing and fixing plastic soap container with bracket etc. complete as directed.	369.00	Each
22	Providing and fixing plastic air purifier container with brackets etc. complete as directed.	101.00	Each
23	Providing and fixing white coloured plastic 'Commander' seats for European w.c. pan etc. complete as directed.		
	(a) solid seats	732.00	Each
	(b) hollow seats	534.00	Each
24	Providing and fixing 4.5 to 5 mm (3/16") thick CI soil pipes conforming to IS:1729 and of approved make with all fittings such as off-sets, bends, 'T's, single or double or invert Y-junctions, adopters etc. fixed on air-seasoned second class 35 mm thick teak wood blocks embedded in walls, joints made of a gasket of hemp or spun yarn tightly packed and sealed with white lead putty and neatly finished with rich grout of cement and sand mortar (1:1) perfectly air and water tight including making holes in masonry walls and making good the same, removing coal tar and painting with two coats of approved synthetic enamel paint over a coat of zinc chromate (yellow) primer etc. complete as directed.		
	(a) 100 mm dia.	2,088.00	Mtr.
	(b) 75 mm dia.	1,627.00	Mtr.

XVI - Sanitary fittings & Downtake pipes

Sr. No.	Item Description	Rate in `	Unit
25	Providing and fixing 3 mm (1/8") thick CI rain water pipes – do -- do -- as in Item No.23 complete as directed with a shoe at bottom.		
	(a) 150 mm nominal dia.	1,802.00	Mtr.
	(b) 100 mm nominal dia.	896.00	Mtr.
26	Providing and fixing AC cowl etc. complete as directed.		
	(a) 101.6 mm dia.	94.00	Each
	(b) 76.2 mm dia.	72.00	Each
	(c) 63.5 mm dia.	46.00	Each
	(d) 50.8 mm dia.	41.00	Each
27	Providing and laying CI socket and spigot pipes from house drainage including lead caulked joint etc. complete as directed.		
	(a) 100 mm nominal dia.	1,237.00	Mtr.
	(b) 150 mm nominal dia.	2,017.00	Mtr.
28	Providing & fixing AC pipe with necessary fitting as per Item No.23 above.		
	(a) 101.6 mm dia.	487.00	Mtr.
	(b) 76.2 mm dia.	370.00	Mtr.
	(c) 63.5 mm dia.	264.00	Mtr.
	(d) 50.8 mm dia.	223.00	Mtr.
29	Providing and fixing 80 mm (3") dia. CI nahani trap with 125 mm (5") CI perforated grating including making holes in walls, beams etc. and cement grouting (1:1), making good the damaged portion, finishing etc. complete as directed.	1,113.00	Each
30	Providing and fixing 80 mm (3") dia. CI nahani trap with 125 mm (5") dia. perforated brass chromium plated grating including making holes in walls, beams etc. and cement grouting (1:1), making good the damaged portion, finishing etc. complete as directed.	1,096.00	Each
31	Providing and fixing 150 mm (6") dia. CI circular gratings with bars spaced at approved centres including cement grouting in C.M.(1:1), finishing etc. complete as directed.	144.00	Each

XVI - Sanitary fittings & Downtake pipes

Sr. No.	Item Description	Rate in `	Unit
32	Providing and fixing PVC pipes of required dia. of 'Supreme'/ 'Prince'/ 'Kisan' or of approved manufacture/ brand of good quality including fittings such as 'Y' with door, bend with door, off-sets, PVC connectors fixed on walls with PVC clips, making holes in wall, making them good after connection, connecting the pipes with PVC solvent cement, rubber rings etc., testing the line etc. complete as directed.		
	(a) 110 mm dia. PVC soil pipes	326.00	Mtr.
	(b) 90 mm dia. PVC waste water pipes	297.00	Mtr.
	(c) 75 mm dia. PVC waste water pipes	226.00	Mtr.
	(d) 65 mm dia. PVC waste water pipes	210.00	Mtr.
	(e) 50 mm dia. PVC waste water pipes	195.00	Mtr.
33	Providing and fixing PVC rain water pipes of required dia. of 'Supreme'/ 'Prince'/ 'Kisan' or of approved manufacture/ brand of good quality including connection at terrace and shoe at the bottom, fixing the pipes with PVC clips, making holes in parapet making them good, connecting the pipes with solvent cement etc. complete as directed.		
	(a) 160 mm dia. rain water pipe	568.00	Mtr.
	(b) 110 mm dia. rain water pipe	271.00	Mtr.
34	Providing/ fixing 4" dia PVC nahani trap with PVC cover etc. complete as stated in Item No.29 above.	932.00	Each
35	(a) Providing and fixing PVC flushing tank of 10 litres capacity including all the fittings, symphonic arrangement, 15 mm dia ball valve with polythene float including connecting the same to the existing system etc. complete as directed.	1,341.00	Each
	(b) Providing and fixing PVC low level flushing tank of 10 litres capacity including all the fittings such as PVC inlet connector, 32 mm dia. PVC flush pipe, syphonic arrangement, 15 mm dia. PVC ball valve with polythene float, brackets, PVC over-flow pipes with mosquito-proof coupling etc. complete as directed.	2,136.00	Each

XVI - Sanitary fittings & Downtake pipes

Sr. No.	Item Description	Rate in `	Unit
36	Removing carefully chokes from sanitary or water pipes fixed on the building upto any floor including providing and erecting necessary scaffolding/ jhulla/ working platform with safety measures etc. complete as directed.	331.00	Each
37	Replacing existing bend with new PVC plug bend including necessary scaffolding/ Jhulla etc. complete as directed.		
	(a) 110 mm dia.	160.00	Each
	(b) 90 mm dia.	144.00	Each
	(c) 75 mm dia.	81.00	Each
38	Providing and fixing new PVC door cap to sanitary line at any floor level including scaffolding/ Jhulla etc. complete as directed.		
	(a) 110 mm dia.	66.00	Each
	(b) 90 mm dia.	71.00	Each
	(c) 75 mm dia.	45.00	Each
39	Providing and fixing new PVC cowl to sanitary line including scaffolding/ Jhulla etc. complete as directed.		
	(a) 110 mm dia.	67.00	Each
	(b) 90 mm dia.	67.00	Each
	(c) 75 mm dia.	55.00	Each
40	Re-fixing the existing old PVC rain water pipes 110 mm dia. after plastering of wall, fixed on 2nd class 35 mm thick teak wood block/ PVC block embedded in wall, fixing pipes using new PVC clips and making holes if required etc. and reinstating the same etc. complete as directed.	36.00	Mtr.
41	Removing nahani trap carefully including making hole in brick wall and stacking the same at site etc. complete as directed.	65.00	Each
42	Providing and fixing white glazed vitreous China ware wash hand basin 630X551 mm size including all necessary fittings, pillar tap, stop cock, PVC connector & drain pipe etc. complete as directed.	3,797.00	Each
43	Providing and fixing PVC perforated grating for the nahani trap etc. complete as directed.	85.00	Each
44	Providing and fixing chromium plated perforated grating for the nahani trap etc. complete as directed.	85.00	Each

Rate Analysis for 1.00 No. of Item:
Indian w.c. pan 580mm (23") with CI flushing cistern etc.

Corresponding Item No. 1 of Section -XVI of MbPT SOR 2014
 New Item No. 1 of Section -XVI
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	w.c. Indian pan 580mm (White)	1.000	No.	669.49	669.49	9.	GI over flow pipe 15mm 'B' class	0.500	Mtr.	70.34	35.17	
2.	Foot rest (raised)	1.000	Pair	116.95	116.95	10.	Mosquito-proof coupling (plastic)	1.000	No.	23.73	23.73	
3.	'P' trap earthen	1.000	No.	271.19	271.19	11.	GI pipe 32mm dia. 'B'	1.200	Mtr.	144.92	173.90	
4.	Lead pipe (for vent) 32mm	1.000	Mtr.	388.14	388.14	12.	Lead pipe 32mm dia.	0.600	Mtr.	388.14	232.88	
5.	CI pipe 100mm dia.	0.600	Mtr.	723.73	434.24	13.	GI pipe inlet to flushing cistern 15mm dia.	0.600	Mtr.	55.08	33.05	
6.	CI bend 100mm dia.	1.000	No.	491.53	491.53	14.	Brickbat coba	0.360	Cu.M.	2778.74	1000.35	
7.	CI cistern (10 Ltr) chain, handle, CI bracket, etc.	1.000	No.	1355.94	1355.94	15.	Painting 3 coats		Lumpsum		70.00	
8.	Brass stop cock 1/2" heavy & PVC connector	1.000	No.	281.87	281.87	1.	Labour: Fixing charges		Lumpsum		400.00	
TOTAL (M) =Rs.					5578.41	TOTAL (L) =Rs.					400.00	

Total of (M) + (L) =	(I)	= `	5978.41	Total = (I) + (II) =	(III)	= `	6051.85
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	597.84
Add: Allowance for PF @13.61% of (L)		= `	54.44	Grand Total =	(III)+(IV)=	`	6649.69
Add: Allowance for Employee' insurance @4.75% of (L)		= `	19.00	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	73.44	Therefore, Unit cost 6649.69 ÷ 1.00	=	=Rs.	6649.69
Say Rs. 6,650.00 per Each							

Rate Analysis for 1.00 No. of Item:
Indian w.c. pan 580mm (23") with CP flush valve instead of flushing cistern etc.

Corresponding Item No. 2 of Section -XVI of MbPT SOR 2014
 New Item No. 2 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	w.c. Indian pan 580mm (White)	1.000	No.	669.49	669.49	8.	GI pipe 32mm dia. 'B'	1.500	Mtr.	144.92	217.37	
2.	Foot rest (raised)	1.000	Pair	116.95	116.95	9.	Brickbat coba	0.360	Cu.M.	2778.74	1000.35	
3.	'P' trap earthen	1.000	No.	271.19	271.19	10.	Painting 3 coats		Lumpsum		70.00	
4.	Lead pipe (for vent) 32mm	1.000	Mtr.	388.14	388.14							
5.	CI pipe 100mm dia.	1.200	Mtr.	723.73	868.48							
6.	CI bend 100mm dia.	1.000	No.	491.53	491.53	1.	<u>Labour:</u> Fixing charges		Lumpsum		400.00	
7.	Flush valve (CP)	1.000	No.	1169.49	1169.49							
TOTAL (M) =Rs.					5262.98	TOTAL (L) =Rs.					400.00	

Total of (M) + (L) =	(I)	= `	5662.98	Total = (I) + (II) =	(III)	= `	5736.42
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	566.30
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	54.44	Grand Total =	(III)+(IV)=	`	6302.72
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	19.00	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	73.44	Therefore, Unit cost	=		
				6302.72 ÷	1.00	=Rs.	6302.72
			Say Rs. 6,303.00	per Each			

Rate Analysis for 1.00 No. of Item:
w.c. Orissa pattern 580mm etc.

Corresponding Item No. 3 of Section -XVI of MbPT SOR 2014
 New Item No. 3 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Cost of w.c. pan (Item No.1 above)	1.000	No.	5978.41	5978.41	1.	Labour: Fixing charges		Lumpsum		400.00	
2.	Add: Cost difference between Orissa & Indian w.c. pans	1033.90	-	669.49	364.41							
3.	Deduct: Cost of foot rest	1.000	No.	116.95	-116.95							
TOTAL (M) =Rs.					6225.87	TOTAL (L) =Rs.					400.00	

Total of (M) + (L) =	(I)	= `	6625.87	Total = (I) + (II) =	(III)	= `	6699.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	662.59
Add: Allowance for PF @13.61% of (L)		= `	54.44	Grand Total	=	(III)+(IV)= `	7361.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `	19.00	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	73.44	Therefore, Unit cost	=		
				7361.89	÷	1.00	=Rs. 7361.89
			Say Rs. 7,362.00	per Each			

Rate Analysis for 1.00 No. of Item:
European type w.c. etc.

Corresponding Item No. 4 of Section -XVI of MbPT SOR 2014
 New Item No. 4 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	European w.c. with integral 'P' or 'S' trap	1.000	No.	813.56	813.56	6.	GI over flow pipe 15mm 'B' class	0.600	Mtr.	70.34	42.20	
2.	Lead pipe (for vent) 32mm dia.	1.000	Mtr.	388.14	388.14	7.	Mosquito-proof coupling (plastic)	1.000	No.	23.73	23.73	
3.	CI pipe 100mm dia.	0.900	Mtr.	723.73	651.36	8.	GI pipe 32mm dia. 'B'	1.200	Mtr.	144.92	173.90	
4.	CI bend 100mm dia.	1.000	No.	491.53	491.53	9.	Lead pipe 32mm dia.	0.600	Mtr.	388.14	232.88	
5.	CI cistern (10 Ltr) chain, handle, CI bracket, etc.	1.000	No.	1355.94	1355.94	10.	Painting 3 coats		Lumpsum		70.00	
						11.	Brass screws for fixing w.c. pan to floor		Lumpsum		30.00	
							<u>Labour:</u>					
						1.	Fixing charges		Lumpsum		400.00	
TOTAL (M) =Rs.					4273.23	TOTAL (L) =Rs.					400.00	

Total of (M) + (L) =	(I)	= `	4673.23	Total = (I) + (II) =	(III)	= `	4746.67
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	467.32
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	54.44	Grand Total	=	(III)+(IV)= `	5214.00
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	19.00	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	73.44	Therefore, Unit cost	5214.00	÷	1.00 =Rs. 5214.00
			Say Rs. 5,214.00	per Each			

Rate Analysis for 1.00 No. of Item:
European w.c. with low level china ware flushing cistern etc.

Corresponding Item No. 5 of Section -XVI of MbPT SOR 2014
 New Item No. 5 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	European w.c. with integral 'P' or 'S' trap	1.000	No.	813.56	813.56	6.	GI pipe 32mm dia. 'B	0.600	Mtr.	115.25	69.15	
2.	Lead pipe (for vent) 32mm	1.000	Mtr.	388.14	388.14	7.	Lead pipe 32mm dia.	1.000	Mtr.	388.14	388.14	
3.	CI pipe 100mm dia.	0.900	Mtr.	723.73	651.36	8.	Painting 3 coats		Lumpsum		70.00	
4.	CI bend 100mm dia.	1.000	No.	491.53	491.53	9.	Brass screws for fixing w.c. pan to floor		Lumpsum		30.00	
5.	Low level chinaware flushing cistern	1.000	No.	2118.65	2118.65							
						1.	<u>Labour:</u> Fixing charges		Lumpsum		400.00	
TOTAL (M) =Rs.					5020.52	TOTAL (L) =Rs.					400.00	

Total of (M) + (L) =	(I)	= `	5420.52	Total = (I) + (II) =	(III)	= `	5493.96
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	542.05
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	54.44	Grand Total	=	(III)+(IV)= `	6036.01
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	19.00	This is cost for	1.00 No.		
Total of allowances =	(II)	= `	73.44	Therefore, Unit cost	=		
				6036.01 ÷	1.00	=Rs.	6036.01
			Say Rs. 6,036.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing bowl pattern white glazed vitreous Chinaware urinal including and connecting the urinal etc.
(a) Flat black type 440X315X265 mm

Corresponding Item No. 6a of Section -XVI of MbPT SOR 2014
New Item No. 6a of Section -XVI
NBO Ref. No.23.122(a) Page:463 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Bowl type flat back urinal - 440X315X265 mm	1.000	No.	601.70	601.70	1.	Plumber I	0.380	No.	540.38	205.34	
2.	PVC drainage pipe	1.000	No.	59.32	59.32	2.	Mazdoor-Male	0.380	No.	478.85	181.96	
3.	White lead & chopped hemp		Lumpsum		60.00	3.	Labour for fixing waste pipe		Lumpsum		50.00	
4.	Wooden blocks		Lumpsum		30.00							
5.	Screws - 50mm long, 4 N		Lumpsum		15.00							
6.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					816.02	TOTAL (L) =Rs.					437.31	

Total of (M) + (L) =	(I)	= `	1253.33	Total = (I) + (II) =	(III)	= `	1333.62
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	125.33
Add: Allowance for PF @13.61% of (L)		= `	59.52	Grand Total	=	(III)+(IV)= `	1458.95
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.77	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	80.29	Therefore, Unit cost	1458.95	÷	1.00 =Rs. 1458.95
			Say Rs. 1,459.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing bowl pattern white glazed vitreous Chinaware urinal including and connecting the urinal etc.
(b) Angle back type of size 430X370X340 mm

Corresponding Item No. 6b of Section -XVI of MbPT SOR 2014
New Item No. 6b of Section -XVI
NBO Ref. No.23.122(a)II Page:464 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Bowl type angle back urinal - 430X370X340 mm	1.000	No.	754.24	754.24	1.	Plumber I	0.380	No.	540.38	205.34	
2.	PVC drainage pipe	1.000	No.	59.32	59.32	2.	Mazdoor-Male	0.380	No.	478.85	181.96	
3.	White lead & chopped hemp		Lumpsum		60.00							
4.	Wooden blocks		Lumpsum		30.00							
5.	Screws - 50mm long, 4 N		Lumpsum		15.00							
6.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					968.56	TOTAL (L) =Rs.					387.31	

Total of (M) + (L) =	(I)	= `	1355.87	Total = (I) + (II) =	(III)	= `	1426.98
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	135.59
Add: Allowance for PF @13.61% of (L)		= `	52.71	Grand Total	=	(III)+(IV)= `	1562.57
Add: Allowance for Employee' insurance @4.75% of (L)		= `	18.40	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	71.11	Therefore, Unit cost	1562.57	÷	1.00 =Rs. 1562.57
			Say Rs. 1,563.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing bowl pattern white glazed vitreous Chinaware urinal including and connecting the urinal etc.
(c) Large back/ height back 610X400X380 mm

Corresponding Item No. 6c of Section -XVI of MbPT SOR 2014
New Item No. 6c of Section -XVI
NBO Ref. No.23.122(a) Page:465 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Bowl type large flat urinal - 610X400X380 mm	1.000	No.	1872.89	1872.89	1.	Plumber I	0.430	No.	540.38	232.36	
2.	PVC drainage pipe	1.000	No.	294.92	59.32	2.	Mazdoor-Male	0.430	No.	478.85	205.91	
3.	White lead with hemp		Lumpsum		60.00							
4.	Wooden blocks		Lumpsum		30.00							
5.	Screws - 50mm long, 4 N		Lumpsum		15.00							
6.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					2087.21	TOTAL (L) =Rs.					438.27	

Total of (M) + (L) =	(I)	= `	2525.48	Total = (I) + (II) =	(III)	= `	2605.94
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	252.55
Add: Allowance for PF @13.61% of (L)		= `	59.65	Grand Total	=	(III)+(IV)= `	2858.49
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.82	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	80.47	Therefore, Unit cost	2858.49	÷	1.00 =Rs. 2858.49
			Say Rs. 2,858.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC high level flushing cistern with a pair of CI or mild steel brackets etc.
(a) 5 litres capacity.

Corresponding Item No. 7a of Section -XVI of MbPT SOR 2014
 New Item No. 7a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC flushing cistern with ball value, chain, symphonic etc.-5 Ltrs.	1.000	No.	1025.43	1025.43	1.	Plumber I	0.500	No.	540.38	270.19	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Union	2.000	Nos.	55.085	110.17	3.	Making groove in wall and filling the same after laying drain pipe		Lumpsum		240.00	
4.	GI Inlet pipe-15mm dia.	0.60	Mtr.	55.085	33.05							
5.	GI flush pipe-32mm dia.	1.200	Mtrs.	144.916	173.90							
6.	GI overflow pipe	0.600	Mtr.	70.339	42.20							
7.	Mosquito-proof coupling	1.000	No.	23.729	23.73							
8.	Wooden pegs,screws		Lumpsum		70.00							
9.	Painting in 3 coats		Lumpsum		70.00							
10.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1676.95	TOTAL (L) =Rs.					749.62	

Total of (M) + (L) =	(I)	= `	2426.57	Total = (I) + (II) =	(III)	= `	2564.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	242.66
Add: Allowance for PF @13.61% of (L)		= `	102.02	Grand Total	=	(III)+(IV)= `	2806.85
Add: Allowance for Employee' insurance @4.75% of (L)		= `	35.61	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	137.63	Therefore, Unit cost	2806.85	÷	1.00 =Rs. 2806.85
Say Rs. 2,807.00				per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC high level flushing cistern with a pair of CI or mild steel brackets etc.
(b) 10 litres capacity.

Corresponding Item No. 7b of Section -XVI of MbPT SOR 2014
 New Item No. 7b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Cost of PVC cistern 5 Lits. Capacity (Item No.7a above)	1.000	No.	2564.20	2564.20							
2.	Add: Cost difference between 10 Lits. & 5 Lits. Cisterns	1084.75	-	1025.43	59.32							
TOTAL (M) =Rs.					2623.52	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	2623.52	Total = (I) + (II) =	(III)	= `	2623.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	262.35
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	2885.87
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	2885.87	÷	1.00 =Rs. 2885.87
			Say Rs. 2,886.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC automatic flushing tanks etc.
(a) 5 litres capacity.

Corresponding Item No. 8a of Section -XVI of MbPT SOR 2014
 New Item No. 8a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC automatic flushing tank-5 Ltrs.	1.000	No.	389.83	389.83	1.	Labour for fixing flush tank, making groove for flush pipe, fixing pipe etc.		Lumpsum		350.00	
2.	Brass stop cock	1.000	No.	211.87	211.87							
3.	GI Inlet pipe-15mm dia.	0.60	Mtr.	55.085	33.05							
4.	GI flush pipe-32mm dia.	1.200	Mtrs.	144.916	173.90							
5.	GI overflow pipe	0.600	Mtr.	70.339	42.20							
6.	Mosquito-proof coupling	1.000	No.	23.729	23.73							
7.	Wooden pegs,screws		Lumpsum		60.00							
8.	Painting in 3 coats		Lumpsum		70.00							
9.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					1054.58	TOTAL (L) =Rs.					350.00	

Total of (M) + (L) =	(I)	= `	1404.58	Total = (I) + (II) =	(III)	= `	1468.84
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	140.46
Add: Allowance for PF @13.61% of (L)		= `	47.64	Grand Total	=	(III)+(IV)= `	1609.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	16.63	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	64.26	Therefore, Unit cost	1609.30	÷	1.00 =Rs. 1609.30
			Say Rs. 1,609.00			per Each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC automatic flushing tanks etc.
(b) 10 litres capacity.

Corresponding Item No. 8b of Section -XVI of MbPT SOR 2014
 New Item No. 8b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Cost of PVC 5 Lits. tank (Item No.8a above)	1.000	No.	1468.84	1468.84							
2.	Add: Cost difference between 10 Lits. & 5 Lits. tanks	500.00	-	389.83	110.17							
TOTAL (M) =Rs.					1579.01	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	1579.01	Total = (I) + (II) =	(III)	= `	1579.01
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	157.90
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	1736.91
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	1736.91	÷	1.00 =Rs. 1736.91
				Say Rs. 1,737.00	per	Each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing white glazed vitreous chinaware wash hand basin with holes for pillar taps, CI brackets painted in white, GI pipe inlet, bottle trap, PVC drain pipe etc.
(a) 630X510 mm size

Corresponding Item No. 9a of Section -XVI of MbPT SOR 2014
 New Item No. 9a of Section -XVI
 NBO Ref. No.23.127 Page:468 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White glazed chinaware wash hand basin - 630X510 mm	1.000	No.	1932.21	1932.21	1.	Plumber/ Fitter I	0.330	No.	540.38	178.33	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.670	No.	478.85	320.83	
3.	Union	1.000	No.	55.08	55.08	3.	Mason II	0.330	No.	525.00	173.25	
4.	Bottle trap-100 mm dia.	1.000	No.	381.36	381.36							
5.	GI Inlet pipe-15mm dia.	1.20	Mtr.	55.08	66.10							
6.	Pillar tap	1.000	No.	271.19	271.19							
7.	Lead, cement, sand		Lumpsum		50.00							
8.	Brass stop cock	1.000	No.	211.87	211.87							
9.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					3126.28	TOTAL (L) =Rs.					672.40	

Total of (M) + (L) =	(I)	= `	3798.68	Total = (I) + (II) =	(III)	= `	3922.14
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	379.87
Add: Allowance for PF @13.61% of (L)		= `	91.51	Grand Total	=	(III)+(IV)= `	4302.01
Add: Allowance for Employee' insurance @4.75% of (L)		= `	31.94	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	123.45	Therefore, Unit cost	4302.01	÷	1.00 =Rs. 4302.01
Say Rs. 4,302.00				per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing white glazed vitreous chinaware wash hand basin with holes for pillar taps, CI brackets painted in white, GI pipe inlet, bottle trap, PVC drain pipe etc.
(b) 550X400 mm size

Corresponding Item No. 9b of Section -XVI of MbPT SOR 2014
 New Item No. 9b of Section -XVI
 NBO Ref. No.23.127 Page:468 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White glazed chinaware wash hand basin - 550X400 mm	1.000	No.	690.68	690.68	1.	Plumber/ Fitter I	0.330	No.	540.38	178.33	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.670	No.	478.85	320.83	
3.	Union	1.000	No.	55.08	55.08	3.	Mason II	0.330	No.	525.00	173.25	
4.	Bottle trap-100 mm dia.	1.000	No.	381.36	381.36							
5.	GI Inlet pipe-15mm dia.	1.20	Mtr.	55.08	66.10							
6.	Pillar tap	1.000	No.	271.19	271.19							
7.	Lead, cement, sand		Lumpsum		50.00							
8.	Brass stop cock	1.000	No.	211.87	211.87							
9.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					1884.75	TOTAL (L) =Rs.					672.40	

Total of (M) + (L) =	(I)	= `	2557.16	Total = (I) + (II) =	(III)	= `	2680.61
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	255.72
Add: Allowance for PF @13.61% of (L)		= `	91.51	Grand Total	=	(III)+(IV)= `	2936.32
Add: Allowance for Employee' insurance @4.75% of (L)		= `	31.94	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	123.45	Therefore, Unit cost	2936.32	÷	1.00 =Rs. 2936.32
Say Rs. 2,936.00				per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing white glazed vitreous chinaware wash hand basin with holes for pillar taps, CI brackets painted in white, GI pipe inlet, bottle trap, PVC drain pipe etc.
(c) 450X300 mm size

Corresponding Item No. 9c of Section -XVI of MbPT SOR 2014
 New Item No. 9c of Section -XVI
 NBO Ref. No.23.127 Page:468 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White glazed chinaware wash hand basin - 450X300 mm	1.000	No.	515.26	515.26	1.	Plumber/ Fitter I	0.330	No.	540.38	178.33	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.670	No.	478.85	320.83	
3.	Union	1.000	No.	55.08	55.08	3.	Mason II	0.330	No.	525.00	173.25	
4.	Bottle trap-100 mm dia.	1.000	No.	381.36	381.36							
5.	GI Inlet pipe-15mm dia.	1.20	Mtr.	55.08	66.10							
6.	Pillar tap	1.000	No.	271.19	271.19							
7.	Lead, cement, sand		Lumpsum		50.00							
8.	Brass stop cock	1.000	No.	211.87	211.87							
9.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					1709.33	TOTAL (L) =Rs.					672.40	

Total of (M) + (L) =	(I)	= `	2381.73	Total = (I) + (II) =	(III)	= `	2505.18
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	238.17
Add: Allowance for PF @13.61% of (L)		= `	91.51	Grand Total	=	(III)+(IV)= `	2743.36
Add: Allowance for Employee' insurance @4.75% of (L)		= `	31.94	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	123.45	Therefore, Unit cost		=	
				2743.36	÷	1.00	=Rs. 2743.36
			Say Rs. 2,743.00	per	Each		

Rate Analysis for 1.00 No. of Item:
Providing and fixing white glazed vitreous chinaware wash hand basin with holes for pillar taps, CI brackets painted in white, GI pipe inlet, bottle trap, PVC drain pipe etc.
(d) 400X400 mm size

Corresponding Item No. 9d of Section -XVI of MbPT SOR 2014
 New Item No. 9d of Section -XVI
 NBO Ref. No.23.127 Page:468 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White glazed chinaware wash hand basin - 400X400 mm	1.000	No.	515.26	515.26	1.	Plumber/ Fitter I	0.330	No.	540.38	178.33	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.670	No.	478.85	320.83	
3.	Union	1.000	No.	55.08	55.08	3.	Mason II	0.330	No.	525.00	173.25	
4.	Bottle trap-100 mm dia.	1.000	No.	381.36	381.36							
5.	GI Inlet pipe-15mm dia.	1.20	Mtr.	55.08	66.10							
6.	Pillar tap	1.000	No.	271.19	271.19							
7.	Lead, cement, sand		Lumpsum		50.00							
8.	Brass stop cock	1.000	No.	211.87	211.87							
9.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					1709.33	TOTAL (L) =Rs.					672.40	

Total of (M) + (L) =	(I)	= `	2381.73	Total = (I) + (II) =	(III)	= `	2505.18
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	238.17
Add: Allowance for PF @13.61% of (L)		= `	91.51	Grand Total	=	(III)+(IV)= `	2743.36
Add: Allowance for Employee' insurance @4.75% of (L)		= `	31.94	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	123.45	Therefore, Unit cost	2743.36	÷	1.00 =Rs. 2743.36
Say Rs. 2,743.00				per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing white glazed vitreous chinaware laboratory sink 450X300X150 mm size with over-flow, 15mm size chromium plated etc.

Corresponding Item No. 10 of Section -XVI of MbPT SOR 2014
 New Item No. 10 of Section -XVI
 NBO Ref. No.23.131(a) Page:473 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White chinaware laboratory sink 450X300X150 mm	1.000	No.	1347.46	1347.46	1.	Plumber/ Fitter I	0.220	No.	540.38	118.88	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.560	No.	478.85	268.16	
3.	GI pipe-32mm dia.	1.20	Mtr.	144.92	173.90	3.	Mason II	0.330	No.	525.00	173.25	
4.	Bib tap	1.000	No.	194.92	194.92							
5.	Lead, cement, sand		Lumpsum		50.00							
6.	CP waste coupling, PVC waste pipe etc.		Lumpsum		80.00							
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					2004.75	TOTAL (L) =Rs.					560.29	

Total of (M) + (L) =	(I)	= `	2565.04	Total = (I) + (II) =	(III)	= `	2667.91
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	256.50
Add: Allowance for PF @13.61% of (L)		= `	76.26	Grand Total	=	(III)+(IV)= `	2924.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.61	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	102.87	Therefore, Unit cost	2924.41	÷	1.00 =Rs. 2924.41
			Say Rs. 2,924.00			per Each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing white glazed china ware kitchen sink with over-flow etc.
(a) 610X450X250 mm size

Corresponding Item No. 11a of Section -XVI of MbPT SOR 2014
 New Item No. 11a of Section -XVI
 NBO Ref. No.23.130(c) Page:471 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White glazed china ware kitchen sink 610X450X250 mm	1.000	No.	3627.13	3627.13	1.	Plumber/ Fitter I	0.220	No.	540.38	118.88	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.560	No.	478.85	268.16	
3.	GI pipe-32mm dia.	1.20	Mtr.	144.92	173.90	3.	Mason II	0.330	No.	525.00	173.25	
4.	Bib tap	1.000	No.	194.92	194.92							
5.	Lead, cement, sand		Lumpsum		50.00							
6.	CP waste coupling, PVC waste pipe etc.		Lumpsum		80.00							
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					4284.42	TOTAL (L) =Rs.					560.29	

Total of (M) + (L) =	(I)	= `	4844.71	Total = (I) + (II) =	(III)	= `	4947.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	484.47
Add: Allowance for PF @13.61% of (L)		= `	76.26	Grand Total	=	(III)+(IV)= `	5432.05
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.61	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	102.87	Therefore, Unit cost	5432.05	÷	1.00 =Rs. 5432.05
Say Rs. 5,432.00				per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing white glazed china ware kitchen sink with over-flow etc.
(b) 610X450X200 mm size

Corresponding Item No. 11b of Section -XVI of MbPT SOR 2014
 New Item No. 11b of Section -XVI
 NBO Ref. No.23.130(c) Page:471 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White glazed china ware kitchen sink 610X450X200 mm	1.000	No.	3203.40	3203.40	1.	Plumber/ Fitter I	0.220	No.	540.38	118.88	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.560	No.	478.85	268.16	
3.	GI pipe-32mm dia.	1.20	Mtr.	144.92	173.90	3.	Mason II	0.330	No.	525.00	173.25	
4.	Bib tap	1.000	No.	194.92	194.92							
5.	Lead, cement, sand		Lumpsum		50.00							
6.	CP waste coupling, PVC waste pipe etc.		Lumpsum		80.00							
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					3860.69	TOTAL (L) =Rs.					560.29	

Total of (M) + (L) =	(I)	= `	4420.98	Total = (I) + (II) =	(III)	= `	4523.85
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	442.10
Add: Allowance for PF @13.61% of (L)		= `	76.26	Grand Total =	(III)+(IV)=	`	4965.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `	26.61	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	102.87	Therefore, Unit cost	=		
				4965.94 ÷ 1.00	=Rs.		4965.94
			Say Rs. 4,966.00 per Each				

Rate Analysis for 1.00 No. of Item:
Providing and fixing aluminium drain boards 600X450 mm etc.

Corresponding Item No. 12 of Section -XVI of MbPT SOR 2014
 New Item No. 12 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Aluminum drain board-600X450 mm	1.000	No.	533.90	533.90	1.	Fixing charges		Lumpsum		110.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					553.90	TOTAL (L) =Rs.					110.00	

Total of (M) + (L) =	(I)	= `	663.90	Total = (I) + (II) =	(III)	= `	684.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	66.39
Add: Allowance for PF @13.61% of (L)		= `	14.97	Grand Total	=	(III)+(IV)= `	750.49
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.23	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	20.20	Therefore, Unit cost	=		
				750.49 ÷ 1.00	=Rs.		750.49
			Say Rs. 750.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 20 mm dia. chromium plated brass towel rods with chromium plated brass brackets etc.
(a) 750 mm size

Corresponding Item No. 13a of Section -XVI of MbPT SOR 2014
New Item No. 13a of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated brass towel rods-20 mm dia.	0.750	Mtr.	294.92	221.19	1.	Fixing charges		Lumpsum		50.00	
2.	Chromium plated brass brackets	1.000	Pair	161.02	161.02							
3.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					390.20						50.00	

Total of (M) + (L) = (I) = ` 440.20

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 9.18

Say Rs.

Total = (I) + (II) = (III) = ` 449.38

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 493.40

This is cost for 1.00 No.

Therefore, Unit cost =
493.40 ÷ 1.00 =Rs. 493.40

per Each

493.00

Rate Analysis for 1.00 No. of Item:
Providing and fixing 20 mm dia. chromium plated brass towel rods with chromium plated brass brackets etc.
(b) 600 mm size

Corresponding Item No. 13b of Section -XVI of MbPT SOR 2014
New Item No. 13b of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated brass towel rods-20 mm dia.	0.600	Mtr.	294.92	176.95	1.	Fixing charges		Lumpsum		50.00	
2.	Chromium plated brass brackets	1.000	Pair	161.02	161.02							
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					345.97	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	395.97	Total = (I) + (II) =	(III)	= `	405.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	39.60
Add: Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	444.74
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	=		
				444.74 ÷ 1.00	=Rs.		444.74
			Say Rs. 445.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 20 mm dia. stainless steel towel rods with chromium plated brackets etc.
(a) 750 mm size

Corresponding Item No. 14a of Section -XVI of MbPT SOR 2014
 New Item No. 14a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Stainless steel towel rods-20 mm dia.	0.750	Mtr.	132.20	99.15	1.	Fixing charges		Lumpsum		50.00	
2.	Chromium plated m.s. brackets	1.000	Pair	69.49	69.49							
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					176.64	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	226.64	Total = (I) + (II) =	(III)	= `	235.82
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	22.66
Add: Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	258.49
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	=		
				258.49 ÷ 1.00	=Rs.	258.49	
			Say Rs. 258.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 20 mm dia. stainless steel towel rods with chromium plated brackets etc.
(b) 600 mm size

Corresponding Item No. 14b of Section -XVI of MbPT SOR 2014
 New Item No. 14b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Stainless steel towel rods-20 mm dia.	0.600	Mtr.	132.20	79.32	1.	Fixing charges		Lumpsum		50.00	
2.	Chromium plated m.s. brackets	1.000	Pair	69.49	69.49							
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					156.81	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	206.81	Total = (I) + (II) =	(III)	= `	215.99
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	20.68
Add: Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	236.68
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	=		
				236.68 ÷ 1.00	=Rs.	236.68	
			Say Rs. 237.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 20 mm dia. anodised aluminium towel rods with anodised aluminium brackets etc.
(a) 750 mm size

Corresponding Item No. 15a of Section -XVI of MbPT SOR 2014
 New Item No. 15a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Anodised aluminium towel rods-20 mm dia.	0.750	Mtr.	93.22	69.92	1.	Fixing charges		Lumpsum		50.00	
2.	Anodised aluminium brackets	1.000	Pair	49.15	49.15							
3.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					127.07						50.00	

Total of (M) + (L) =	(I)	= `	177.07	Total = (I) + (II) =	(III)	= `	186.25
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	17.71
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	203.95
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	=		
				203.95 ÷ 1.00	=Rs.		203.95
			Say Rs. 204.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 20 mm dia. anodised aluminium towel rods with anodised aluminium brackets etc.
(b) 600 mm size

Corresponding Item No. 15b of Section -XVI of MbPT SOR 2014
 New Item No. 15b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Anodised aluminium towel rods-20 mm dia.	0.600	Mtr.	93.22	55.93	1.	Fixing charges		Lumpsum		50.00	
2.	Anodised aluminium brackets	1.000	Pair	49.15	49.15							
3.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					113.09						50.00	

Total of (M) + (L) = (I) = ` 163.09

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 9.18

Say Rs.

Total = (I) + (II) = (III) = ` 172.27

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 188.57

This is cost for 1.00 No.

Therefore, Unit cost =
 188.57 ÷ 1.00 =Rs. 188.57

per Each

189.00

Rate Analysis for 1.00 No. of Item:
Providing and fixing plate glass mirror 600X450 mm bevelled edged with oil tempered hard board back etc.

Corresponding Item No. 16 of Section -XVI of MbPT SOR 2014
 New Item No. 16 of Section -XVI
 NBO Ref. No.23.143 Page:477 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Bevelled edge plate glass mirror-600X450 mm with plywood sheet back	1.000	No.	694.92	694.92	1.	Carpenter II	0.330	No.	525.00	173.25	
2.	CP brass screws, washers, wooden plugs etc.		Lumpsum		30.00	2.	Mazdoor-Male	0.330	No.	478.85	158.02	
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					732.92	TOTAL (L) =Rs.					331.27	

Total of (M) + (L) =	(I)	= `	1064.19	Total = (I) + (II) =	(III)	= `	1125.01
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	106.42
Add: Allowance for PF @13.61% of (L)		= `	45.09	Grand Total	=	(III)+(IV)= `	1231.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	15.74	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	60.82	Therefore, Unit cost	1231.43	÷	1.00 =Rs. 1231.43
			Say Rs. 1,231.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 600X120 mm glass shelf with chromium plated brass brackets etc.

Corresponding Item No. 17 of Section -XVI of MbPT SOR 2014
 New Item No. 17 of Section -XVI
 NBO Ref. No.23.145 Page:478 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated brass shelf brackets	1.000	Pair	224.58	224.58	1.	Carpenter II	0.250	No.	525.00	131.25	
2.	Bevelled edge glass 5 mm thick 0.6x0.15 (since pieces divisible by 3" are available)	0.090	Sq.M.	377.97	34.02	2.	Mazdoor-Male	0.250	No.	478.85	119.71	
3.	CP brass screws, washers, wooden plugs etc.		Lumpsum		30.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					296.59	TOTAL (L) =Rs.					250.96	

Total of (M) + (L) =	(I)	= `	547.56	Total = (I) + (II) =	(III)	= `	593.63
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	54.76
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	34.16	Grand Total	=	(III)+(IV)= `	648.39
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	11.92	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	46.08	Therefore, Unit cost 648.39 ÷ 1.00	=	=Rs.	648.39
			Say Rs. 648.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC tooth brush and tumbler holder with brackets etc.

Corresponding Item No. 18 of Section -XVI of MbPT SOR 2014
 New Item No. 18 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC tooth brush and tumbler holder with brackets	1.000	No.	57.63	57.63	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					62.63	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	97.63	Total = (I) + (II) =	(III)	= `	104.05
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	9.76
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total	=	(III)+(IV)= `	113.82
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost	=		
				113.82 ÷ 1.00	=Rs.	113.82	
			Say Rs. 114.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing brass robe hook etc.

Corresponding Item No. 19 of Section -XVI of MbPT SOR 2014
 New Item No. 19 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass robe hook	1.000	No.	54.24	54.24	1.	Fixing charges		Lumpsum		8.00	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					59.24	TOTAL (L) =Rs.					8.00	

Total of (M) + (L) =	(I)	= `	67.24	Total = (I) + (II) =	(III)	= `	68.71
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	6.72
Add: Allowance for PF @13.61% of (L)		= `	1.09	Grand Total	=	(III)+(IV)= `	75.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.47	Therefore, Unit cost		=	
				75.43	÷	1.00	=Rs. 75.43
			Say Rs. 75.00	per	Each		

Rate Analysis for 1.00 No. of Item:
Providing and fixing vitreous chinaware toilet paper holder etc.

Corresponding Item No. 20 of Section -XVI of MbPT SOR 2014
 New Item No. 20 of Section -XVI
 NBO Ref. No.23.146 Page:478 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Vitreous chinaware toilet paper holder	1.000	No.	271.19	271.19	1.	Carpenter II	0.120	No.	525.00	63.00	
2.	CP brass screws, washers, wooden plugs etc.		Lumpsum		30.00	2.	Mazdoor-Male	0.120	No.	478.85	57.46	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					321.19	TOTAL (L) =Rs.					120.46	

Total of (M) + (L) =	(I)	= `	441.65	Total = (I) + (II) =	(III)	= `	463.77
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	44.16
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	16.39	Grand Total	=	(III)+(IV)= `	507.93
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.72	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	22.12	Therefore, Unit cost	=		
				507.93 ÷ 1.00	=Rs.		507.93
			Say Rs. 508.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing plastic soap container with brackets etc.

Corresponding Item No. 21 of Section -XVI of MbPT SOR 2014
 New Item No. 21 of Section -XVI
 NBO Ref. No.23.147 Page:479 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Plastic soap container with brackets	1.000	No.	186.44	186.44	1.	Carpenter II	0.120	No.	525.00	63.00	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.120	No.	478.85	57.46	
TOTAL (M) =Rs.					194.44	TOTAL (L) =Rs.					120.46	

Total of (M) + (L) =	(I)	= `	314.90	Total = (I) + (II) =	(III)	= `	337.02
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	31.49
Add: Allowance for PF @13.61% of (L)		= `	16.39	Grand Total	=	(III)+(IV)= `	368.51
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.72	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	22.12	Therefore, Unit cost	=		
				368.51 ÷	1.00	=Rs.	368.51
			Say Rs. 369.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing air-purifier plastic container with brackets etc.

Corresponding Item No. 22 of Section -XVI of MbPT SOR 2014
 New Item No. 22 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Air-purifier plastic container with brackets	1.000	No.	57.63	57.63	1.	Fixing charges		Lumpsum		25.00	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					62.63	TOTAL (L) =Rs.					25.00	

Total of (M) + (L) =	(I)	= `	87.63	Total = (I) + (II) =	(III)	= `	92.22
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	8.76
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	3.40	Grand Total	=	(III)+(IV)= `	100.98
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.19	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	4.59	Therefore, Unit cost	=		
				100.98 ÷ 1.00	=Rs.		100.98
			Say Rs. 101.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing white coloured plastic 'Commander' seats for Eropean w.c. pan etc.
(a) solid seats

Corresponding Item No. 23a of Section -XVI of MbPT SOR 2014
New Item No. 23a of Section -XVI
NBO Ref. No.23.121 Page:463 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White coloured plastic 'Commander' solid seat cover for European w.c. pan with CP brass hinges and rubber buffers	1.000	No.	616.95	616.95	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					624.95	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	659.95	Total = (I) + (II) =	(III)	= `	666.38
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	66.00
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4.76	Grand Total =	(III)+(IV)=	`	732.37
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost			
				732.37 ÷ 1.00		=Rs.	732.37
			Say Rs. 732.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing white coloured plastic seats for European w.c. pan etc.
(b) hollow seats

Corresponding Item No. 23b of Section -XVI of MbPT SOR 2014
 New Item No. 23b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White coloured hollow seat for European w.c. with CP brass hinges & rubber buffers	1.000	No.	436.44	436.44	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					444.44	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) = (I) = ` 479.44

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 6.43

Say Rs.

Total = (I) + (II) = (III) = ` 485.87

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 533.81

This is cost for 1.00 No.

Therefore, Unit cost = 533.81 ÷ 1.00 =Rs. 533.81

per Each

534.00

Rate Analysis for 17.35 Mtrs. of Item:
Providing and fixing 4.5 to 5mm (3/16") thick CI soil pipes etc.
(a) 100mm dia.

Corresponding Item No. 24a of Section -XVI of MbPT SOR 2014
New Item No. 24a of Section -XVI
NBO Ref. No.23.79(c) Page:408 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI soil pipes (S/S) 100mm dia.(1.8Mtrs. long)(5% wastage)	10.000	Nos.	1794.07	17940.73		Pipe fixing:					
2.	Bends-100mm dia. 9"X12"	10.000	Nos.	556.78	5567.81	1.	Plumber/ Fitter I	0.420	No.	540.38	226.96	
3.	'Y' junctions-double-4"	5.000	Nos.	1183.90	5919.51	2.	Mazdoor-Male	0.840	No.	478.85	402.23	
4.	Spun yarn, cement, sand etc.		Lumpsum		70.00	3.	Bandhani	0.210	No.	498.08	104.60	
5.	T.W. blocks-15 Nos. 35mm thick		Lumpsum		30.00	4.	Fixing bends		Lumpsum		80.00	
6.	Scaffolding		Lumpsum		90.00	5.	Fixing 'Y'		Lumpsum		80.00	
7.	Sundries		Lumpsum		20.00	6.	Fixing connection		Lumpsum		80.00	
TOTAL (M) =Rs.					29638.05	TOTAL (L) =Rs.					973.79	

Total of (M) + (L) = (I) = ` 30611.84
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 132.53
Add: Allowance for Employee' insurance @4.75% of (L) = ` 46.26
Total of allowances = (II) = ` 178.79

*Cost of painting: 14.000 Sq.M. 170.00 2380.00
(Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 30790.63
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 3061.18
Add: Cost for painting*: (V)=Rs. 2380.00
Grand Total = (III)+(IV)+(V) =Rs. 36231.81

This is cost for 17.35 Mtrs.
Therefore, Unit cost =
36231.81 ÷ 17.35 =Rs. 2088.29

Say Rs. 2,088.00 per Mtr.

Rate Analysis for 17.35 Mtrs. of Item:
Providing and fixing 4.5 to 5mm (3/16") thick CI soil pipes etc.
(b) 75mm dia.

Corresponding Item No. 24b of Section -XVI of MbPT SOR 2014
 New Item No. 24b of Section -XVI
 NBO Ref. No.23.79(b) Page:408 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI soil pipes (S/S) 75mm dia.(1.8Mtrs. long)(5% wastage)	10.000	Nos.	1422.89	14228.85		Pipe fixing:					
2.	Bends-75mm dia. 9"X12"	10.000	Nos.	457.63	4576.28	1.	Plumber/ Fitter I	0.350	No.	540.38	189.13	
3.	'Y' junctions-double-3"	5.000	Nos.	852.54	4262.72	2.	Mazdoor-Male	0.700	No.	478.85	335.20	
4.	Spun yarn, cement, sand etc.		Lumpsum		70.00	3.	Bandhani	0.170	No.	498.08	84.67	
5.	T.W. blocks-15 Nos. 35mm thick		Lumpsum		30.00	4.	Fixing bends		Lumpsum		80.00	
6.	Scaffolding		Lumpsum		90.00	5.	Fixing 'Y'		Lumpsum		80.00	
7.	Sundries		Lumpsum		20.00	6.	Fixing connection		Lumpsum		80.00	
TOTAL (M) =Rs.					23277.86	TOTAL (L) =Rs.					849.00	

Total of (M) + (L) = (I) = ` 24126.86
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 115.55
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 40.33
 Total of allowances = (II) = ` 155.88

*Cost of painting:	9.000	Sq.M.	170.00	1530.00
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 24282.74
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2412.69
 Add: Cost for painting*: (V)=Rs. 1530.00
 Grand Total = (III)+(IV)+(V) =Rs. 28225.43

This is cost for 17.35 Mtrs.
 Therefore, Unit cost =
 28225.43 ÷ 17.35 =Rs. 1626.83

Say Rs. 1,627.00 per Mtr.

Rate Analysis for 17.35 Mtrs. of Item:
Providing and fixing 3 mm (3/8") thick CI rain water pipe etc.
(a) 150mm dia.

Corresponding Item No. 25a of Section -XVI of MbPT SOR 2014
 New Item No. 25a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rain water pipe 150mm dia.(1.8Mtrs. long)(5% wastage)	10.000	Nos.	2449.16	24491.59		Pipe fixing:					
2.	Bends-150mm dia. 9"X9"	1.000	Nos.	822.87	822.87	1.	Plumber/ Fitter I	0.490	No.	540.38	264.79	
3.	Shoe-150mm dia.	1.00	No.	685.60	685.60	2.	Mazdoor-Male	0.980	No.	478.85	469.27	
4.	T.W. blocks-15 Nos. 35mm thick			Lumpsum	30.00	3.	Bandhani	0.260	No.	498.08	129.50	
5.	Scaffolding			Lumpsum	90.00	4.	Fixing bends		Lumpsum		12.00	
6.	Sundries, carriage			Lumpsum	20.00	5.	Fixing 'Y'		Lumpsum		15.00	
						6.	Fixing shoe		Lumpsum		12.00	
TOTAL (M) =Rs.					26140.06	TOTAL (L) =Rs.					902.56	

Total of (M) + (L) = (I) = ` 27042.62
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 122.84
Add: Allowance for Employee' insurance @4.75% of (L) = ` 42.87
 Total of allowances = (II) = ` 165.71

*Cost of painting:	8.000	Sq.M.	170.00	1360.00
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 27208.33
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2704.26
Add: Cost for painting*: (V)=Rs. 1360.00
 Grand Total = (III)+(IV)+(V) =Rs. 31272.59

This is cost for 17.35 Mtrs.
 Therefore, Unit cost =

$$\frac{31272.59}{17.35} = \text{Rs. } 1802.45$$

Say Rs. 1,802.00 per Mtr.

Rate Analysis for 17.35 Mtrs. of Item:
Providing and fixing 3 mm (3/8") thick CI rain water pipe etc.
(a) 100mm dia.

Corresponding Item No. 25b of Section -XVI of MbPT SOR 2014
New Item No. 25b of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rain water pipe 100mm dia.(1.8Mtrs. long)(5% wastage)	10.000	Nos.	1167.57	11675.69		Pipe fixing:					
2.	Bends-100mm dia. 9"X9"	1.000	Nos.	406.15	406.15	1.	Plumber/ Fitter I	0.280	No.	540.38	151.31	
3.	Shoe-100mm dia.	1.00	No.	366.10	366.10	2.	Mazdoor-Male	0.560	No.	478.85	268.16	
4.	T.W. blocks-15 Nos. 35mm thick					3.	Bandhani	0.140	No.	498.08	69.73	
5.	Scaffolding		Lumpsum		30.00	4.	Fixing bends		Lumpsum		12.00	
6.	Sundries, carriage		Lumpsum		90.00	5.	Fixing 'Y'		Lumpsum		15.00	
					20.00	6.	Fixing shoe		Lumpsum		12.00	
TOTAL (M) =Rs.					12587.95	TOTAL (L) =Rs.					528.19	

Total of (M) + (L) = (I) = ` 13116.14
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 71.89
Add: Allowance for Employee' insurance @4.75% of (L) = ` 25.09
Total of allowances = (II) = ` 96.98

*Cost of painting:	6.000	Sq.M.	170.00	1020.00
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 13213.12
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1311.61
Add: Cost for painting*: (V)=Rs. 1020.00
Grand Total = (III)+(IV)+(V) =Rs. 15544.73

This is cost for 17.35 Mtrs.
Therefore, Unit cost =
15544.73 ÷ 17.35 =Rs. 895.95

Say Rs. 896.00 per Mtr.

Rate Analysis for 1.00 No. of Item:
Providing and fixing AC Cowl etc.
(a) 101.6mm dia.

Corresponding Item No. 26a of Section -XVI of MbPT SOR 2014
 New Item No. 26a of Section -XVI
 NBO Ref. No.23.91(III) Page:444 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC cowl-101.60 mm dia.	1.000	No.	71.05	71.05	1.	Fixing charges		Lumpsum		8.00	
2.	Sundries, carriage		Lumpsum		5.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					76.05						8.00	

Total of (M) + (L) =	(I)	= `	84.05	Total = (I) + (II) =	(III)	= `	85.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	8.41
Add: Allowance for PF @13.61% of (L)		= `	1.09	Grand Total	=	(III)+(IV)= `	93.93
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.47	Therefore, Unit cost		=	
				93.93	÷	1.00	=Rs. 93.93
			Say Rs. 94.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing AC Cowl etc.
(b) 76.2mm dia.

Corresponding Item No. 26b of Section -XVI of MbPT SOR 2014
 New Item No. 26b of Section -XVI
 NBO Ref. No.23.91(II) Page:444 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC cowl-76.2 mm dia.	1.000	No.	50.89	50.89	1.	Fixing charges		Lumpsum		8.00	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					55.89	TOTAL (L) =Rs.					8.00	

Total of (M) + (L) =	(I)	= `	63.89	Total = (I) + (II) =	(III)	= `	65.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	6.39
Add: Allowance for PF @13.61% of (L)		= `	1.09	Grand Total	=	(III)+(IV)= `	71.75
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.38	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	1.47	Therefore, Unit cost	=		
				71.75 ÷ 1.00	=Rs.		71.75
			Say Rs. 72.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing AC Cowl etc.
(c) 63.5mm dia.

Corresponding Item No. 26c of Section -XVI of MbPT SOR 2014
 New Item No. 26c of Section -XVI
 NBO Ref. No.23.91(K) Page:444 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC cowl-63.5 mm dia.	1.000	No.	27.84	27.84	1.	Fixing charges		Lumpsum		8.00	
2.	Sundries		Lumpsum		5.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					32.84						8.00	

Total of (M) + (L) =	(I)	= `	40.84	Total = (I) + (II) =	(III)	= `	42.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.08
Add: Allowance for PF @13.61% of (L)		= `	1.09	Grand Total	=	(III)+(IV)= `	46.40
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.38	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	1.47	Therefore, Unit cost	=		
				46.40 ÷ 1.00	=Rs.		46.40
			Say Rs. 46.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing AC Cowl etc.
(d) 50.8 mm dia.

Corresponding Item No. 26d of Section -XVI of MbPT SOR 2014
 New Item No. 26d of Section -XVI
 NBO Ref. No.23.91(K)I(i) Page:444 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC cowl-50.8 mm dia.	1.000	No.	23.04	23.04	1.	Fixing charges		Lumpsum		8.00	
2.	Sundries		Lumpsum		5.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					28.04						8.00	

Total of (M) + (L) =	(I)	= `	36.04	Total = (I) + (II) =	(III)	= `	37.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3.60
Add: Allowance for PF @13.61% of (L)		= `	1.09	Grand Total	=	(III)+(IV)= `	41.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.38	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	1.47	Therefore, Unit cost	=		
				41.12 ÷ 1.00	=Rs.		41.12
			Say Rs. 41.00	per Each			

Rate Analysis for 1.80 Mtrs. of Item:
Providing and laying CI house drainage pipe, lead caulked joints etc.
(a) 100mm dia.

Corresponding Item No. 27a of Section -XVI of MbPT SOR 2014
New Item No. 27a of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	House drain CI pipe single socket-100mm nominal dia. (1.8Mtrs. long)	1.000	No.	1794.07	1794.07	1.	Fixing charges		Lumpsum		95.00	
2.	Lead caulked joints		Lumpsum		100.00							
3.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					1914.07						95.00	

Total of (M) + (L) = (I) = ` 2009.07

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 17.44

Say Rs.

Total = (I) + (II) = (III) = ` 2026.51

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 2227.42

This is cost for 1.80 Mtrs.

Therefore, Unit cost = 2227.42 ÷ 1.80 =Rs. 1237.46

1,237.00 per Mtr.

Rate Analysis for 1.80 Mtrs. of Item:
Providing and laying CI house drainage pipe, lead caulked joints etc.
(b) 150mm dia.

Corresponding Item No. 27b of Section -XVI of MbPT SOR 2014
 New Item No. 27b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	House drain CI pipe single socket-150mm nominal dia. (1.8Mtrs. long)	1.000	No.	3015.26	3015.26	1.	Fixing charges		Lumpsum		120.00	
2.	Lead caulked joints		Lumpsum		125.00							
3.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					3160.26						120.00	

Total of (M) + (L) = (I) = ` 3280.26

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 22.03

Say Rs.

Total = (I) + (II) = (III) = ` 3302.29

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 3630.32

This is cost for 1.80 Mtrs.

Therefore, Unit cost =
 3630.32 ÷ 1.80 =Rs. 2016.84

per Mtr.

2,017.00

Rate Analysis for 18.50 Mtrs. of Item:
Providing and fixing AC pipe etc.
(a) 101.60 mm dia.

Corresponding Item No. 28a of Section -XVI of MbPT SOR 2014
New Item No. 28a of Section -XVI
NBO Ref. No.23.89(III),23.91(a)i,23.91(b)ii&23.91(c)iii Page:435-441 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC soil pipe-101.60mm d (3Mtrs. Long)	6.000	Nos.	224.68	1348.08		Pipe fixing:					
2.	AC bend-101.6 mm dia.-	10.000	Nos.	134.42	1344.24	1.	Plumber/ Fitter I	0.300	No.	540.38	162.11	
3.	'Y' junction double 101.60mm dia.-4"	5.000	Nos.	105.62	528.09	2.	Mazdoor-Male	2.700	No.	478.85	1292.90	
4.	Spun yarn, cement, sand etc.		Lumpsum		70.00	3.	Bandhani	0.680	No.	498.08	338.69	
5.	T.W. blocks-15 Nos. 35mm thick		Lumpsum		30.00	4.	Mason II	0.680	No.	525.00	357.00	
6.	Scaffolding		Lumpsum		90.00	5.	Fixing bends		Lumpsum		30.00	
7.	Sundries		Lumpsum		30.00	6.	Fixing 'Y'		Lumpsum		30.00	
TOTAL (M) =Rs.					3440.42	TOTAL (L) =Rs.					2210.70	

Total of (M) + (L) = (I) = ` 5651.12
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 300.88
Add: Allowance for Employee' insurance @4.75% of (L) = ` 105.01
Total of allowances = (II) = ` 405.89

*Cost of painting: 14.000 Sq.M. 170.00 2380.00
(Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 6057.01
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 565.11
Add: Cost for painting*: (V)=Rs. 2380.00
Grand Total = (III)+(IV)+(V) =Rs. 9002.12

This is cost for 18.50 Mtrs.
Therefore, Unit cost = 9002.12 ÷ 18.50 =Rs. 486.60

Say Rs. 487.00 per Mtr.

Rate Analysis for 18.50 Mtrs. of Item:
Providing and fixing AC pipe etc.
(b) 76.2 mm dia.

Corresponding Item No. 28b of Section -XVI of MbPT SOR 2014
New Item No. 28b of Section -XVI
NBO Ref. No.23.89(II),23.91(a)i,23.91(b)ii&23.91(c)iii Page:435-441 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC soil pipe-76.2mm dia. (3Mtrs. Long)	6.000	Nos.	186.27	1117.64		Pipe fixing:					
2.	AC bend-76.2 mm dia.-18"	10.000	Nos.	101.78	1017.78	1.	Plumber/ Fitter I	0.300	No.	540.38	162.11	
3.	'Y' junction double 76.2mm dia.-3"	5.000	Nos.	82.57	412.87	2.	Mazdoor-Male	2.020	No.	478.85	967.28	
4.	Spun yarn, cement, sand etc.		Lumpsum		70.00	3.	Bandhani	0.680	No.	498.08	338.69	
5.	T.W. blocks-15 Nos. 35mm thick		Lumpsum		30.00	4.	Mason II	0.450	No.	525.00	236.25	
6.	Scaffolding		Lumpsum		90.00	5.	Fixing bends		Lumpsum		30.00	
7.	Sundries		Lumpsum		30.00	6.	Fixing 'Y'		Lumpsum		30.00	
TOTAL (M) =Rs.					2768.30	TOTAL (L) =Rs.					1764.34	

Total of (M) + (L) = (I) = ` 4532.63
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 240.13
Add: Allowance for Employee' insurance @4.75% of (L) = ` 83.81
Total of allowances = (II) = ` 323.93

*Cost of painting:	9.000	Sq.M.	170.00	1530.00
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 4856.56
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 453.26
Add: Cost for painting*: (V)=Rs. 1530.00
Grand Total = (III)+(IV)+(V) =Rs. 6839.83

This is cost for 18.50 Mtrs.
Therefore, Unit cost = 6839.83 ÷ 18.50 =Rs. 369.72

Say Rs. 370.00 per Mtr.

Rate Analysis for 18.50 Mtrs. of Item:
Providing and fixing AC pipe etc.
(c) 63.5 mm dia.

Corresponding Item No. 28c of Section -XVI of MbPT SOR 2014
New Item No. 28c of Section -XVI
NBO Ref. No.23.89(II) & 23.91 Page:435-441 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC soil pipe-63.5mm dia. (3Mtrs. Long)	6.000	Nos.	108.50	651.00		Pipe fixing:					
2.	AC bend-63.5 mm dia.-9'	10.000	Nos.	35.53	355.26	1.	Plumber/ Fitter I	0.300	No.	540.38	162.11	
3.	'Y' junction double 63.5mm dia.-3"	5.000	Nos.	47.05	235.24	2.	Mazdoor-Male	2.020	No.	478.85	967.28	
4.	Spun yarn, cement, sand etc.		Lumpsum		70.00	3.	Bandhani	0.680	No.	498.08	338.69	
5.	T.W. blocks-15 Nos. 35mm thick		Lumpsum		30.00	4.	Mason II	0.450	No.	525.00	236.25	
6.	Scaffolding		Lumpsum		90.00	5.	Fixing bends		Lumpsum		30.00	
7.	Sundries		Lumpsum		30.00	6.	Fixing 'Y'		Lumpsum		30.00	
TOTAL (M) =Rs.					1461.50	TOTAL (L) =Rs.					1764.34	

Total of (M) + (L) = (I) = ` 3225.84
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 240.13
Add: Allowance for Employee' insurance @4.75% of (L) = ` 83.81
Total of allowances = (II) = ` 323.93

*Cost of painting:	6.000	Sq.M.	170.00	1020.00
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 3549.77
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 322.58
Add: Cost for painting*: (V)=Rs. 1020.00
Grand Total = (III)+(IV)+(V) =Rs. 4892.35

This is cost for 18.50 Mtrs.
Therefore, Unit cost =
4892.35 ÷ 18.50 =Rs. 264.45

Say Rs. 264.00 per Mtr.

Rate Analysis for 18.50 Mtrs. of Item:
Providing and fixing AC pipe etc.
(d) 50.80 mm dia.

Corresponding Item No. 28d of Section -XVI of MbPT SOR 2014
New Item No. 28d of Section -XVI
NBO Ref. No.23.89(I) & 23.91 Page:435-441 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	AC soil pipe-50.8 mm dia (3Mtrs. Long)	6.000	Nos.	98.90	593.39		Pipe fixing:					
2.	AC bend-50.8 mm dia.-9'	10.000	Nos.	26.88	268.85	1.	Plumber/ Fitter I	0.300	No.	540.38	162.11	
3.	'Y' junction double 50.8mm dia.-2"	5.000	Nos.	41.29	206.44	2.	Mazdoor-Male	1.620	No.	478.85	775.74	
4.	Spun yarn, cement, sand etc.		Lumpsum		70.00	3.	Bandhani	0.520	No.	498.08	259.00	
5.	T.W. blocks-15 Nos. 35mm thick		Lumpsum		30.00	4.	Mason II	0.390	No.	525.00	204.75	
6.	Scaffolding		Lumpsum		90.00	5.	Fixing bends		Lumpsum		24.00	
7.	Sundries		Lumpsum		30.00	6.	Fixing 'Y'		Lumpsum		24.00	
TOTAL (M) =Rs.					1288.67	TOTAL (L) =Rs.					1449.60	

Total of (M) + (L) = (I) = ` 2738.27
Add: Allowance for Water charges @1% of (I)
Add: Allowance for PF @13.61% of (L)
Add: Allowance for Employee' insurance @4.75% of (L)
Total of allowances = (II) = ` 266.15

*Cost of painting:	5.000	Sq.M.	170.00	850.00
(Item No.8, Section-X)				

Total = (I) + (II) = (III) = ` 3004.42
Add: Contractor's over-heads & profit @10% of (I)
Add: Cost for painting*: (V)=Rs. 850.00
Grand Total = (III)+(IV)+(V) =Rs. 4128.25

This is cost for 18.50 Mtrs.
Therefore, Unit cost =
4128.25 ÷ 18.50 =Rs. 223.15

Say Rs. 223.00 per Mtr.

Rate Analysis for 1.00 No. of Item:
Providing and fixing 80mm (3") dia. CI nahani trap with 125mm (5") CI perforated grating including making holes in walls etc.

Corresponding Item No. 29 of Section -XVI of MbPT SOR 2014
 New Item No. 29 of Section -XVI
 NBO Ref. No.23.87(ii) Page:434 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Nahani trap 80 mm dia. with 125mm (5") C.I. perforated grating	1.000	No.	376.27	376.27	1.	Mason II	0.500	No.	525.00	262.50	
2.	Cement, sand etc.		Lumpsum		30.00	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					426.27	TOTAL (L) =Rs.					501.93	

Total of (M) + (L) =	(I)	= `	928.20	Total = (I) + (II) =	(III)	= `	1020.35
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	92.82
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	68.31	Grand Total	=	(III)+(IV)= `	1113.17
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	23.84	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	92.15	Therefore, Unit cost	=		
				1113.17	÷	1.00	=Rs. 1113.17
			Say Rs. 1,113.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 80mm (3") dia CI nahani trap with 125mm (5") perforated chromium plated grating including making holes in walls etc.

Corresponding Item No. 30 of Section -XVI of MbPT SOR 2014
 New Item No. 30 of Section -XVI
 NBO Ref. No.23.87(ii) Page:434 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI nahani trap 80mm dia with CP 125mm perforated grating	1.000	No.	376.27	376.27	1.	Mason III	0.500	No.	498.08	249.04	
2.	Cement, sand etc.		Lumpsum		30.00	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					426.27	TOTAL (L) =Rs.					488.47	

Total of (M) + (L) =	(I)	= `	914.74	Total = (I) + (II) =	(III)	= `	1004.42
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	91.47
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	66.48	Grand Total	=	(III)+(IV)= `	1095.89
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	23.20	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	89.68	Therefore, Unit cost	=		
				1095.89 ÷ 1.00	=Rs.	1095.89	
			Say Rs. 1,096.00	per Each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 150mm (6") dia. CI circular gratings with bars spaced at approved centers including cement grouting in CM (1:1) finishing etc.

Corresponding Item No. 31 of Section -XVI of MbPT SOR 2014
 New Item No. 31 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI circular grating with bars - (6") 150mm	1.000	No.	52.54	52.54	1.	Fixing charges		Lumpsum		24.00	
2.	Cement, sand etc.		Lumpsum		30.00							
3.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					102.54						24.00	

Total of (M) + (L) = (I) = ` 126.54

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= ` 4.41

Say Rs.

Total = (I) + (II) = (III) = ` 130.95

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 143.60

This is cost for 1.00 No.

Therefore, Unit cost =
 143.60 ÷ 1.00 =Rs. 143.60

per Each

144.00

Rate Analysis for 26.50 Mtrs. of Item:
Providing and fixing PVC pipes of required dia. of approved manufacture/ quality including fittings etc.
(a) 110mm dia. PVC soil pipes.

Corresponding Item No. 32a of Section -XVI of MbPT SOR 2014
New Item No. 32a of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC SWR pipe-110 mm d	18.000	Mtrs.	199.15	3584.76	1.	Labour charges	26.500	Mtrs.	15.000	397.50	
2.	PVC 'Y'-110 mm-double w	4.000	Nos.	279.66	1118.65		including					
3.	PVC bend-110 mm with d	10.000	Nos.	122.03	1220.34		scaffolding					
4.	PVC pipe connector	8.000	Nos.	135.59	1084.75							
5.	110mm dia., 0.6 Mtr. long											
5.	PVC pipe clips - 110mm d	12.000	Nos.	17.80	213.56							
6.	PVC vent cowl - 110mm d	1.000	No.	26.27	26.27							
7.	PVC solvent for jointing		Lumpsum		50.00							
8.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					7378.33	TOTAL (L) =Rs.					397.50	

Total of (M) + (L) =	(I)	= `	7775.83	Total = (I) + (II) =	(III)	= `	7848.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	777.58
Add: Allowance for PF @13.61% of (L)		= `	54.10	Grand Total	=	(III)+(IV)= `	8626.39
Add: Allowance for Employee' insurance @4.75% of (L)		= `	18.88	This is cost for	26.50	Mtrs.	
Total of allowances =	(II)	= `	72.98	Therefore, Unit cost	8626.39	÷	26.50 =Rs. 325.52
			Say Rs. 326.00			per Mtr.	

Rate Analysis for 20.00 Mtrs. of Item:
Providing and fixing PVC pipes of required dia. of approved manufacture/ quality including fittings etc.
(b) 90mm dia. PVC waste water pipes

Corresponding Item No. 32b of Section -XVI of MbPT SOR 2014
New Item No. 32b of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC SWR pipe-90 mm dia	18.000	Mtrs.	155.09	2791.53	1.	Labour charges	20.000	Mtrs.	15.000	300.00	
2.	PVC 'Y'-90mm-double wit	5.000	Nos.	266.95	1334.75		including					
3.	PVC bend-90 mm-with do	5.000	Nos.	109.32	546.61		scaffolding					
4.	PVC vent cowl - 90mm di	1.000	No.	26.27	26.27							
5.	PVC pipe clips - 110mm d	12.000	Nos.	17.80	213.56							
6.	PVC solvent for jointing		Lumpsum		50.00							
7.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					5042.73	TOTAL (L) =Rs.					300.00	

Total of (M) + (L) =	(I)	= `	5342.73	Total = (I) + (II) =	(III)	= `	5397.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	534.27
Add: Allowance for PF @13.61% of (L)		= `	40.83	Grand Total	=	(III)+(IV)= `	5932.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.25	This is cost for	20.00	Mtrs.	
Total of allowances =	(II)	= `	55.08	Therefore, Unit cost	=		
				5932.08	÷	20.00	=Rs. 296.60
			Say Rs. 297.00			per Mtr.	

Rate Analysis for 26.00 Mtrs. of Item:
Providing and fixing PVC pipes of required dia. of approved manufacture/ quality including fittings etc.
(c) 75mm dia. PVC waste water pipes

Corresponding Item No. 40 of Section -XVI of MbPT SOR 2014
New Item No. 32c of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC pipe-75 mm dia.	18.000	Mtrs.	112.71	2028.82	1.	Labour charges	26.000	Mtrs.	24.000	624.00	
2.	'Y' single with door-75mm	5.000	Nos.	113.56	567.80		including					
3.	PVC bend-75 mm-with dc	5.000	Nos.	61.02	305.09		scaffolding					
4.	PVC cowl-75mm	1.000	Nos.	16.95	16.95							
5.	PVC pipe clips	12.000	Nos.	17.80	213.56							
6.	PVC connectors	10.000	Nos.	135.59	1355.94							
7.	PVC solvent for jointing		Lumpsum		50.00							
8.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					4618.15	TOTAL (L) =Rs.					624.00	

Total of (M) + (L) =	(I)	= `	5242.15	Total = (I) + (II) =	(III)	= `	5356.71
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	524.21
Add: Allowance for PF @13.61% of (L)		= `	84.93	Grand Total	=	(III)+(IV)= `	5880.93
Add: Allowance for Employee' insurance @4.75% of (L)		= `	29.64	This is cost for	26.00	Mtrs.	
Total of allowances =	(II)	= `	114.57	Therefore, Unit cost	5880.93	÷	26.00 =Rs. 226.19
			Say Rs. 226.00			per Mtr.	

Rate Analysis for 26.00 Mtrs. of Item:
Providing and fixing PVC pipes of required dia. of approved manufacture/ quality including fittings etc.
(d) 65mm dia. PVC waste water pipes

Corresponding Item No. --- of Section -XVI of MbPT SOR 2014
New Item No. 32d of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC pipe-65 mm dia.	18.000	Mtrs.	101.70	1830.51	1.	Labour charges	26.000	Mtrs.	24.000	624.00	
2.	'Y' single, bend, cowl		Lumpsum		700.00		including					
5.	PVC pipe clips	12.000	Nos.	17.80	213.56							
6.	PVC connectors	10.000	Nos.	135.59	1355.94							
7.	PVC solvent for jointing		Lumpsum		50.00							
8.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					4230.01	TOTAL (L) =Rs.					624.00	

Total of (M) + (L) =	(I)	= `	4854.01	Total = (I) + (II) =	(III)	= `	4968.58
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	485.40
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	84.93	Grand Total	=	(III)+(IV)= `	5453.98
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	29.64	This is cost for	26.00	Mtrs.	
Total of allowances =	(II)	= `	114.57	Therefore, Unit cost	=		
				5453.98	÷	26.00	=Rs. 209.77
			Say Rs. 210.00	per Mtr.			

Rate Analysis for 26.00 Mtrs. of Item:
Providing and fixing PVC pipes of required dia. of approved manufacture/ quality including fittings etc.
(e) 50mm dia. PVC waste water pipes

Corresponding Item No. --- of Section -XVI of MbPT SOR 2014
New Item No. 32e of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC pipe-50 mm dia.	18.000	Mtrs.	93.22	1677.97	1.	Labour charges	26.000	Mtrs.	24.000	624.00	
2.	'Y' single, bend, cowl		Lumpsum		500.00		including					
5.	PVC pipe clips	12.000	Nos.	17.80	213.56							
6.	PVC connectors	10.000	Nos.	135.59	1355.94							
7.	PVC solvent for jointing		Lumpsum		50.00							
8.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					3877.47	TOTAL (L) =Rs.					624.00	

Total of (M) + (L) =	(I)	= `	4501.47	Total = (I) + (II) =	(III)	= `	4616.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	450.15
Add: Allowance for PF @13.61% of (L)		= `	84.93	Grand Total	=	(III)+(IV)= `	5066.18
Add: Allowance for Employee' insurance @4.75% of (L)		= `	29.64	This is cost for	26.00	Mtrs.	
Total of allowances =	(II)	= `	114.57	Therefore, Unit cost	=		
				5066.18	÷	26.00	=Rs. 194.85
			Say Rs. 195.00	per Mtr.			

Rate Analysis for 16.00 Mtrs. of Item:
Providing and fixing PVC rain water pipes of required dia. of approved manufacture/ quality including fittings etc.
(a) 160mm dia. rain water pipe

Corresponding Item No. 33a of Section -XVI of MbPT SOR 2014
New Item No. 33a of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC pipe-160 mm dia.	16.000	Mtrs.	435.59	6969.51	1.	Labour charges	16.000	Mtrs.	18.000	288.00	
2.	PVC bend-160 mm-with d	1.000	Nos.	337.29	337.29		including					
3.	PVC pipe clips-160mm	10.000	Nos.	40.68	406.78		scaffolding					
4.	PVC shoe	1.000	No.	100.00	100.00							
5.	PVC solvent for jointing		Lumpsum		20.00							
6.	Sundries		Lumpsum		90.00							
TOTAL (M) =Rs.					7923.58	TOTAL (L) =Rs.					288.00	

Total of (M) + (L) = (I) = ` 8211.58

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(I) = ` 8211.58

= `

= ` 39.20

= ` 13.68

(II) = ` 52.88

Say Rs.

Total = (I) + (II) = (III) = ` 8264.46

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 9085.62

This is cost for 16.00 Mtrs.

Therefore, Unit cost = 9085.62 ÷ 16.00 =Rs. 567.85

per Mtr.

568.00

Rate Analysis for 16.00 Mtrs. of Item:
Providing and fixing PVC rain water pipes of required dia. of approved manufacture/ quality including fittings etc.
(b) 110mm dia. rain water pipe

Corresponding Item No. 33b of Section -XVI of MbPT SOR 2014
New Item No. 33b of Section -XVI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC pipe-110 mm dia.	16.000	Mtrs.	199.15	3186.45	1.	Labour charges	16.000	Mtrs.	15.000	240.00	
2.	PVC bend-110 mm-with c	1.000	Nos.	122.03	122.03		including					
3.	PVC pipe clips-110mm	10.000	Nos.	17.80	177.97		scaffolding					
4.	PVC shoe	1.000	No.	100.00	100.00							
5.	PVC solvent for jointing		Lumpsum		20.00							
6.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					3656.45	TOTAL (L) =Rs.					240.00	

Total of (M) + (L) =	(I)	= `	3896.45	Total = (I) + (II) =	(III)	= `	3940.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	389.65
Add: Allowance for PF @13.61% of (L)		= `	32.66	Grand Total	=	(III)+(IV)= `	4330.16
Add: Allowance for Employee' insurance @4.75% of (L)		= `	11.40	This is cost for	16.00	Mtrs.	
Total of allowances =	(II)	= `	44.06	Therefore, Unit cost	4330.16	÷	16.00 =Rs. 270.63
			Say Rs. 271.00			per Mtr.	

Rate Analysis for 1.00 No. of Item:
Providing and fixing 4" dia. PVC nahani trap with PVC cover etc. as stated in Item No.29.

Corresponding Item No. 34 of Section -XVI of MbPT SOR 2014
 New Item No. 34 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC nahani trap-4"	1.000	No.	151.70	151.70	1.	Mason II	0.500	No.	525.000	262.50	
2.	PVC jalli	1.000	No.	29.66	29.66	2.	Mazdoor-Male	0.500	No.	478.850	239.43	
3.	Cement, sand etc.		Lumpsum		50.00							
4.	Sundries		Lumpsum		30.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					261.36						501.93	

Total of (M) + (L) =	(I)	= `	763.28	Total = (I) + (II) =	(III)	= `	855.43
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	76.33
Add: Allowance for PF @13.61% of (L)		= `	68.31	Grand Total	=	(III)+(IV)= `	931.76
Add: Allowance for Employee' insurance @4.75% of (L)		= `	23.84	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	92.15	Therefore, Unit cost	=		
				931.76 ÷ 1.00	=Rs.		931.76
			Say Rs. 932.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC flushing tank including all fittings etc.

Corresponding Item No. 35a of Section -XVI of MbPT SOR 2014
 New Item No. 35a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC flushing tank including all fittings	1.000	No.	1059.33	1059.33	1.	Fixing charges		Lumpsum		120.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1079.33	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) =	(I)	= `	1199.33	Total = (I) + (II) =	(III)	= `	1221.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	119.93
Add: Allowance for PF @13.61% of (L)		= `	16.33	Grand Total	=	(III)+(IV)= `	1341.29
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	=		
				1341.29 ÷ 1.00	=Rs.		1341.29
			Say Rs. 1,341.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC low level flushing cistern with a pair of CI or mild steel brackets including all fittings etc.

Corresponding Item No. 35b of Section -XVI of MbPT SOR 2014
 New Item No. 35b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC flushing cistern with ball valve, chain, symphonic etc.-10 Ltrs.	1.000	No.	1059.33	1059.33	1.	Plumber I	0.300	No.	540.380	162.11	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.300	No.	478.850	143.66	
3.	PVC inlet pipe-15mm dia.	1.000	No.	47.46	47.46	3.	Fixing charges		Lumpsum		60.00	
4.	PVC over-flow pipe	1.000	No.	44.07	44.07							
5.	Mosquito-proof coupling	1.000	No.	23.73	23.73							
6.	Brass stop cock	1.000	No.	211.87	211.87							
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1514.92	TOTAL (L) =Rs.					365.77	

Total of (M) + (L) =	(I)	= `	1880.69	Total = (I) + (II) =	(III)	= `	1947.84
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	188.07
Add: Allowance for PF @13.61% of (L)		= `	49.78	Grand Total =	(III)+(IV)=	`	2135.91
Add: Allowance for Employee' insurance @4.75% of (L)		= `	17.37	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	67.16	Therefore, Unit cost	2135.91	÷	1.00 =Rs. 2135.91
			Say Rs. 2,136.00			per each	

Rate Analysis for 1.00 No. of Item:
Removing carefully chokes from sanitary or waste water pipe fixed on the building upto any floor including providing and erecting necessary scaffolding/ jhulla/ platform with safety measures etc.

Corresponding Item No. 36 of Section -XVI of MbPT SOR 2014
 New Item No. 36 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Scaffolding/ jhula		Lumpsum		3.00	1.	Muccadam	0.125	No.	540.380	67.55	
2.	Sundries		Lumpsum		3.00	2.	Plumber II	0.125	No.	525.000	65.63	
						3.	Mazdoor-Male	0.250	No.	478.850	119.71	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					6.00						252.89	

Total of (M) + (L) =	(I)	= `	258.89	Total = (I) + (II) =	(III)	= `	305.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	25.89
Add: Allowance for PF @13.61% of (L)		= `	34.42	Grand Total	=	(III)+(IV)= `	331.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	12.01	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	46.43	Therefore, Unit cost	=		
				331.20 ÷ 1.00	=Rs.		331.20
			Say Rs. 331.00	per each			

Rate Analysis for 1.00 No. of Item:
Replacing existing bend with PVC plug bend with door including necessary scaffolding/ jhulla etc.
(a) 110 mm dia.

Corresponding Item No. 37a of Section -XVI of MbPT SOR 2014
 New Item No. 37a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC bend-110mm dia. wi	1.000	No.	122.034	122.03	1.	Fixing charges		Lumpsum		13.00	
2.	Sundries		Lumpsum		8.00		@10% of (M)					
TOTAL (M) =Rs.					130.03	TOTAL (L) =Rs.					13.00	

Total of (M) + (L) =	(I)	= `	143.04	Total = (I) + (II) =	(III)	= `	145.43
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	14.30
Add: Allowance for PF @13.61% of (L)		= `	1.77	Grand Total	=	(III)+(IV)= `	159.73
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.62	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.39	Therefore, Unit cost	=		
				159.73	÷	1.00	=Rs. 159.73
			Say Rs. 160.00	per each			

Rate Analysis for 1.00 No. of Item:
Replacing existing bend with PVC plug bend with door including necessary scaffolding/ jhulla etc.
(b) 90 mm dia.

Corresponding Item No. 37b of Section -XVI of MbPT SOR 2014
 New Item No. 37b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC bend-90mm dia. with	1.000	No.	109.322	109.32	1.	Fixing charges		Lumpsum		11.73	
2.	Sundries		Lumpsum		8.00		@10% of (M)					
TOTAL (M) =Rs.					117.32	TOTAL (L) =Rs.					11.73	

Total of (M) + (L) =	(I)	= `	129.05	Total = (I) + (II) =	(III)	= `	131.21
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	12.91
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	1.60	Grand Total	=	(III)+(IV)= `	144.11
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	0.56	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.15	Therefore, Unit cost		=	
				144.11	÷	1.00	=Rs. 144.11
			Say Rs. 144.00	per each			

Rate Analysis for 1.00 No. of Item:
Replacing existing bend with PVC plug bend with door including necessary scaffolding/ jhulla etc.
(c) 75 mm dia.

Corresponding Item No. 37c of Section -XVI of MbPT SOR 2014
 New Item No. 37c of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC bend-75mm dia. with	1.000	No.	61.017	61.02	1.	Fixing charges		Lumpsum		6.60	
2.	Sundries		Lumpsum		5.00		@10% of (M)					
TOTAL (M) =Rs.					66.02	TOTAL (L) =Rs.					6.60	

Total of (M) + (L) =	(I)	= `	72.62	Total = (I) + (II) =	(III)	= `	73.83
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	7.26
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	0.90	Grand Total	=	(III)+(IV)= `	81.09
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	0.31	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	1.21	Therefore, Unit cost	=		
				81.09 ÷ 1.00	=Rs.		81.09
			Say Rs. 81.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC door cap to sanitary line at any floor level including scaffolding/ jhulla etc.
(a) 110 mm dia.

Corresponding Item No. 38a of Section -XVI of MbPT SOR 2014
 New Item No. 38a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC door cap-110mm dia	1.000	No.	45.763	45.76	1.	Fixing charges		Lumpsum		5.38	
2.	Sundries		Lumpsum		8.00		@10% of (M)					
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					53.76						5.38	

Total of (M) + (L) =	(I)	= `	59.14	Total = (I) + (II) =	(III)	= `	60.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.91
Add: Allowance for PF @13.61% of (L)		= `	0.73	Grand Total	=	(III)+(IV)= `	66.04
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.26	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	0.99	Therefore, Unit cost	=		
				66.04 ÷ 1.00	=Rs.		66.04
			Say Rs. 66.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC door cap to sanitary line at any floor level including scaffolding/ jhulla etc.
(b) 90 mm dia.

Corresponding Item No. 38b of Section -XVI of MbPT SOR 2014
 New Item No. 38b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC door cap-90mm dia.	1.000	No.	50.000	50.00	1.	Fixing charges		Lumpsum		5.80	
2.	Sundries		Lumpsum		8.00		@10% of (M)					
TOTAL (M) =Rs.					58.00	TOTAL (L) =Rs.					5.80	

Total of (M) + (L) =	(I)	= `	63.80	Total = (I) + (II) =	(III)	= `	64.87
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	6.38
Add: Allowance for PF @13.61% of (L)		= `	0.79	Grand Total	=	(III)+(IV)= `	71.25
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.06	Therefore, Unit cost	71.25	÷	1.00 =Rs. 71.25
			Say Rs. 71.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC door cap to sanitary line at any floor level including scaffolding/ jhulla etc.
(c) 75 mm dia.

Corresponding Item No. 38c of Section -XVI of MbPT SOR 2014
 New Item No. 38c of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC door cap-75mm dia.	1.000	No.	31.356	31.36	1.	Fixing charges		Lumpsum		3.64	
2.	Sundries		Lumpsum		5.00		@10% of (M)					
TOTAL (M) =Rs.					36.36	TOTAL (L) =Rs.					3.64	

Total of (M) + (L) =	(I)	= `	39.99	Total = (I) + (II) =	(III)	= `	40.66
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.00
Add: Allowance for PF @13.61% of (L)		= `	0.49	Grand Total	=	(III)+(IV)= `	44.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.17	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	0.67	Therefore, Unit cost	=		
				44.66 ÷ 1.00	=Rs.		44.66
			Say Rs. 45.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC vent cowl to sanitary line including scaffolding/ jhulla etc.
(a) 110 mm dia.

Corresponding Item No. 39a of Section -XVI of MbPT SOR 2014
 New Item No. 39a of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC vent cowl-110mm dia	1.000	No.	26.271	26.27	1.	Fixing charges		Lumpsum		5.43	
2.	Scaffolding/ jhulla etc.		Lumpsum		20.00		@10% of (M)					
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					54.27	TOTAL (L) =Rs.					5.43	

Total of (M) + (L) =	(I)	= `	59.70	Total = (I) + (II) =	(III)	= `	60.69
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.97
Add: Allowance for PF @13.61% of (L)		= `	0.74	Grand Total	=	(III)+(IV)= `	66.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.26	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.00	Therefore, Unit cost	66.66	÷	1.00 =Rs. 66.66
			Say Rs. 67.00		per each		

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC vent cowl to sanitary line including scaffolding/ jhulla etc.
(b) 90 mm dia.

Corresponding Item No. 39b of Section -XVI of MbPT SOR 2014
 New Item No. 39b of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC vent cowl-90mm dia.	1.000	No.	26.271	26.27	1.	Fixing charges		Lumpsum		5.43	
2.	Scaffolding/ jhula etc.		Lumpsum		20.00		@10% of (M)					
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					54.27	TOTAL (L) =Rs.					5.43	

Total of (M) + (L) =	(I)	= `	59.70	Total = (I) + (II) =	(III)	= `	60.69
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5.97
Add: Allowance for PF @13.61% of (L)		= `	0.74	Grand Total	=	(III)+(IV)= `	66.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.26	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1.00	Therefore, Unit cost	66.66	÷	1.00 =Rs. 66.66
			Say Rs. 67.00		per each		

Rate Analysis for 1.00 No. of Item:
Providing and fixing PVC vent cowl to sanitary line including scaffolding/ jhulla etc.
(c) 75 mm dia.

Corresponding Item No. 39c of Section -XVI of MbPT SOR 2014
 New Item No. 39c of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC vent cowl-75mm dia.	1.000	No.	16.949	16.95	1.	Fixing charges		Lumpsum		4.49	
2.	Scaffolding/ jhula etc.		Lumpsum		20.00		@10% of (M)					
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					44.95	TOTAL (L) =Rs.					4.49	

Total of (M) + (L) =	(I)	= `	49.44	Total = (I) + (II) =	(III)	= `	50.27
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.94
Add: Allowance for PF @13.61% of (L)		= `	0.61	Grand Total	=	(III)+(IV)= `	55.21
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.21	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	0.83	Therefore, Unit cost	=		
				55.21 ÷ 1.00	=Rs.		55.21
			Say Rs. 55.00	per each			

Rate Analysis for 16.00 Mtrs. of Item:
Re-fixing the existing old 110mm dia. PVC rain water pipe, PVC block embedded in wall, fixing pipes using new PVC clips and making holes if required, reinstating the same etc.

Corresponding Item No. 41 of Section -XVI of MbPT SOR 2014
 New Item No. 40 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC pipe clips-110 mm dia	10.000	Nos.	17.80	177.97	1.	Labour charges	16.000	Mtrs.	15.000	240.00	
2.	PVC solvent for jointing		Lumpsum		10.00		including					
3.	Sundries		Lumpsum		50.00		scaffolding					
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					237.97						240.00	

Total of (M) + (L) =	(I)	= `	477.97	Total = (I) + (II) =	(III)	= `	522.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	47.80
Add: Allowance for PF @13.61% of (L)		= `	32.66	Grand Total	=	(III)+(IV)= `	569.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	11.40	This is cost for	16.00	Mtrs.	
Total of allowances =	(II)	= `	44.06	Therefore, Unit cost	=		
				569.83	÷	16.00	=Rs. 35.61
			Say Rs. 36.00	per Mtr.			

Rate Analysis for 20.00 Nos. of Item:
Removing nahani trap carefully making hole in brick wall and stacking the same at site etc.

Corresponding Item No. 42 of Section -XVI of MbPT SOR 2014
 New Item No. 41 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Hiring charges for tools, tackles		Lumpsum		30.00	1.	Mason III	1.000	No.	498.080	498.08	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	1.000	No.	478.850	478.85	
TOTAL (M) =Rs.					38.00	TOTAL (L) =Rs.					976.93	

Total of (M) + (L) =	(I)	= `	1014.93	Total = (I) + (II) =	(III)	= `	1194.29
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	101.49
Add: Allowance for PF @13.61% of (L)		= `	132.96	Grand Total	=	(III)+(IV)= `	1295.79
Add: Allowance for Employee' insurance @4.75% of (L)		= `	46.40	This is cost for 20.00 Nos.			
Total of allowances =	(II)	= `	179.36	Therefore, Unit cost	=		
				1295.79 ÷	20.00	=Rs.	64.79
			Say Rs. 65.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing white glazed vitreous chinaware wash hand basin with holes for pillar taps, CI brackets painted in white, GI pipe inlet, bottle trap, PVC drain pipe etc.
(a) 630X551 mm size

Corresponding Item No. 43 of Section -XVI of MbPT SOR 2014
 New Item No. 42 of Section -XVI
 NBO Ref. No.23.127 Page:468 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	White glazed chinaware wash hand basin - 630X551 mm	1.000	No.	1932.21	1932.21	1.	Plumber I	0.330	No.	540.38	178.33	
2.	CI/ m.s. brackets	1.000	Pair	108.47	108.47	2.	Mazdoor-Male	0.670	No.	478.85	320.83	
3.	Brass stop-cock-15mm	1.000	No.	211.87	211.87	3.	Mason I	0.330	No.	540.38	178.33	
4.	Flexible PVC inlet-15mm	1.000	No.	42.37	42.37							
5.	Flexible PVC outlet-40mm	1.000	No.	55.08	55.08							
6.	Pillar tap	1.000	No.	271.19	271.19							
7.	Screws, nails etc.		Lumpsum		20.00							
8.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2661.19	TOTAL (L) =Rs.					677.48	

Total of (M) + (L) =	(I)	= `	3338.67	Total = (I) + (II) =	(III)	= `	3463.06
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	333.87
Add: Allowance for PF @13.61% of (L)		= `	92.21	Grand Total	=	(III)+(IV)= `	3796.93
Add: Allowance for Employee' insurance @4.75% of (L)		= `	32.18	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	124.39	Therefore, Unit cost		=	
				3796.93	÷	1.00	=Rs. 3796.93
			Say Rs. 3,797.00		per	Each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing perforated PVC grating etc.

Corresponding Item No. 44 of Section -XVI of MbPT SOR 2014
 New Item No. 43 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	PVC grating	1.000	No.	50.848	50.85	1.	Fixing charges		Lumpsum		18.00	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					55.85	TOTAL (L) =Rs.					18.00	

Total of (M) + (L) =	(I)	= `	73.85	Total = (I) + (II) =	(III)	= `	77.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7.38
Add: Allowance for PF @13.61% of (L)		= `	2.45	Grand Total	=	(III)+(IV)= `	84.54
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.86	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	3.30	Therefore, Unit cost	84.54	÷	1.00 =Rs. 84.54
			Say Rs. 85.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing chromium plated perforated grating etc.

Corresponding Item No. 45 of Section -XVI of MbPT SOR 2014
 New Item No. 44 of Section -XVI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated grating	1.000	No.	50.848	50.85	1.	Fixing charges		Lumpsum		18.00	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					55.85	TOTAL (L) =Rs.					18.00	

Total of (M) + (L) =	(I)	= `	73.85	Total = (I) + (II) =	(III)	= `	77.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7.38
Add: Allowance for PF @13.61% of (L)		= `	2.45	Grand Total	=	(III)+(IV)= `	84.54
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.86	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	3.30	Therefore, Unit cost	=		
				84.54 ÷ 1.00	=Rs.		84.54
			Say Rs. 85.00	per each			

XVII - Water Supply Fittings & Branch Pipes

Sr. No.	Item Description	Rate in `	Unit
1	Providing and fixing to structure, WI galvanised pipes 'B' class (medium) with approved m.s. clamps (fixed with GI nails) including all necessary pipe fittings such as elbows, 'T's, bends, reducers etc. including making holes in masonry, reinstating the holes, painting with 3 coats of approved synthetic enamel paint complete as directed (Pipes and fittings to be tested by MCGM or to bear ISI mark).		
	(a) 15 mm (1/2") nominal bore	192.00	Mtr.
	(b) 20 mm (3/4") nominal bore	219.00	Mtr.
	(c) 25 mm (1") nominal bore	265.00	Mtr.
	(d) 32 mm (1 1/4") nominal bore	327.00	Mtr.
	(e) 40 mm (1 1/2") nominal bore	372.00	Mtr.
	(f) 50 mm (2") nominal bore	489.00	Mtr.
	(g) 65 mm (2 1/2") nominal bore	689.00	Mtr.
	(h) 80 mm (3") nominal bore	799.00	Mtr.
2	Providing and fixing to structure, WI galvanised pipes 'C' class (heavy) with approved m.s. clamps (fixed with GI nails) –do -- -- do -- as in Item No.1 above.		
	(a) 15 mm (1/2") nominal bore	209.00	Mtr.
	(b) 20 mm (3/4") nominal bore	252.00	Mtr.
	(c) 25 mm (1") nominal bore	313.00	Mtr.
	(d) 32 mm (1 1/4") nominal bore	402.00	Mtr.
	(e) 40 mm (1 1/2") nominal bore	475.00	Mtr.
	(f) 50 mm (2") nominal bore	651.00	Mtr.
	(g) 65 mm (2 1/2") nominal bore	726.00	Mtr.
	(h) 80 mm (3") nominal bore	902.00	Mtr.
3	Providing and laying in trenches WI galvanised water pipes 'C' class (heavy) with all necessary pipe fittings such as elbows, 'T's, bends, reducers etc. excluding excavation and re-filling of trenches complete as directed (Pipes and fittings to be tested by MCGM or to bear ISI mark).		
	(a) 15 mm (1/2") nominal bore	113.00	Mtr.
	(b) 20 mm (3/4") nominal bore	144.00	Mtr.
	(c) 25 mm (1") nominal bore	199.00	Mtr.
	(d) 32 mm (1 1/4") nominal bore	256.00	Mtr.

XVII - Water Supply Fittings & Branch Pipes

Sr. No.	Item Description	Rate in `	Unit
	(e) 40 mm (1 1/2") nominal bore	297.00	Mtr.
	(f) 50 mm (2") nominal bore	417.00	Mtr.
	(g) 65 mm (2 1/2") nominal bore	459.00	Mtr.
	(h) 80 mm (3") nominal bore	563.00	Mtr.
4	Providing and fixing brass nickel plated bib taps of screw down pattern tested by MCGM or bearing ISI mark complete as directed.		
	(a) 15 mm (1/2") nominal bore	198.00	Each
	(b) 20 mm (3/4") nominal bore	230.00	Each
5	Providing and fixing brass stop cocks of screw down pattern tested by MCGM or bearing ISI mark complete as directed.		
	(a) 15 mm (1/2") nominal bore	206.00	Each
	(b) 20 mm (3/4") nominal bore	306.00	Each
	(c) 25 mm (1") nominal bore	417.00	Each
	(d) 32 mm (1 1/4") nominal bore	740.00	Each
	(e) 40 mm (1 1/2") nominal bore	1,104.00	Each
	(f) 50 mm (2") nominal bore	1,633.00	Each
6	Providing and fixing gun metal wheel valve gate type (Peet valve) tested by MCGM or bearing ISI mark complete as directed.		
	(a) 15 mm (1/2") nominal bore	280.00	Each
	(b) 20 mm (3/4") nominal bore	375.00	Each
	(c) 25 mm (1") nominal bore	524.00	Each
	(d) 32 mm (1 1/4") nominal bore	800.00	Each
	(e) 40 mm (1 1/2") nominal bore	1,104.00	Each
	(f) 50 mm (2") nominal bore	1,559.00	Each
	(g) 65 mm (2 1/2") nominal bore	2,878.00	Each
	(h) 80 mm (3") nominal bore	4,281.00	Each
7	Providing and fixing GI wheel valves gate type with screwed female ends or flanged ends tested by MCGM or bearing ISI mark complete as directed.		
	(a) 25 mm (1") nominal bore	720.00	Each
	(b) 32 mm (1 1/4") nominal bore	1,227.00	Each
	(c) 40 mm (1 1/2") nominal bore	1,810.00	Each
	(d) 50 mm (2") nominal bore	2,127.00	Each
	(e) 65 mm (2 1/2") nominal bore	2,926.00	Each
	(f) 80 mm (3") nominal bore	3,725.00	Each

XVII - Water Supply Fittings & Branch Pipes

Sr. No.	Item Description	Rate in `	Unit
8	Providing and fixing brass ball valves with copper ball float with all necessary fittings tested by MCGM or bearing ISI mark complete as directed.		
	(a) 15 mm (1/2") nominal bore	290.00	Each
	(b) 20 mm (3/4") nominal bore	305.00	Each
	(c) 25 mm (1") nominal bore	364.00	Each
	(d) 32 mm (1 1/4") nominal bore	613.00	Each
	(e) 40 mm (1 1/2") nominal bore	758.00	Each
	(f) 50 mm (2") nominal bore	1,220.00	Each
	(g) 65 mm (2 1/2") nominal bore	1,983.00	Each
9	Providing and fixing brass ball valves with polythene ball float with necessary fittings and tested by MCGM or bearing ISI mark complete as directed.		
	(a) 15 mm (1/2") nominal bore	336.00	Each
	(b) 20 mm (3/4") nominal bore	442.00	Each
	(c) 25 mm (1") nominal bore	706.00	Each
	(d) 40 mm (1 1/2") nominal bore	1,781.00	Each
10	Providing and fixing gun metal non-return valve with necessary fittings and tested by MCGM or bearing ISI mark complete as directed.		
	(a) 15 mm (1/2") nominal bore		
	(i) vertical	259.00	Each
	(ii) horizontal	317.00	Each
	(b) 20 mm (3/4") nominal bore		
	(i) vertical	357.00	Each
	(ii) horizontal	471.00	Each
	(c) 25 mm (1") nominal bore		
	(i) vertical	482.00	Each
	(ii) horizontal	680.00	Each
	(d) 32 mm (1 1/4") nominal bore		
	(i) vertical	679.00	Each
	(ii) horizontal	901.00	Each
	(e) 40 mm (1 1/2") nominal bore		
	(i) vertical	892.00	Each
	(ii) horizontal	1,411.00	Each
	(f) 50 mm (2") nominal bore		
	(i) vertical	1,347.00	Each
	(ii) horizontal	1,845.00	Each

XVII - Water Supply Fittings & Branch Pipes

Sr. No.	Item Description	Rate in `	Unit
	(g) 65 mm (2 1/2") nominal bore		
	(i) vertical	2,730.00	Each
	(ii) horizontal	3,962.00	Each
11	Providing and fixing gun metal ferrules tested by MCGM or bearing ISI mark including boring & tapping the main etc. complete as directed.		
	(a) 15 mm (1/2") nominal bore	568.00	Each
	(b) 20 mm (3/4") nominal bore	808.00	Each
	(c) 25 mm (1") nominal bore	1,110.00	Each
	(d) 32 mm (1 1/4") nominal bore	1,805.00	Each
	(e) 40 mm (1 1/2") nominal bore	2,378.00	Each
	(f) 50 mm (2") nominal bore	3,611.00	Each
12	Providing and fixing 15 mm (1/2") nominal bore chromium plated brass push taps tested by MCGM or bearing ISI mark complete as directed.	251.00	Each
13	Providing and fixing 15 mm (1/2") nominal bore chromium plated brass stop cocks tested by MCGM or bearing ISI mark complete as directed.	206.00	Each
14	Providing and fixing polythene bib taps complete as directed.		
	(a) 15 mm (1/2") nominal bore	53.00	Each
	(b) 20 mm (3/4") nominal bore	74.00	Each
15	Providing and fixing CI lift up waste preventive bib taps tested by MCGM or bearing ISI mark complete as directed.		
	(a) 15 mm (1/2") nominal bore	181.00	Each
	(b) 20 mm (3/4") nominal bore	231.00	Each
16	Providing and fixing CI chromium plated push type flush valve tested by MCGM or bearing ISI mark complete as directed.		
	(a) 25 mm (1") nominal bore	1,527.00	Each
	(b) 32 mm (1 1/4") nominal bore	1,922.00	Each
17	Providing and fixing chromium plated brass shower rose with 20 mm (3/4") or 15 mm (1/2") nominal bore inlet tested by MCGM or bearing ISI mark complete as directed.		
	(a) 125 mm (5") nominal dia.	384.00	Each
	(b) 150 mm (6") nominal dia.	410.00	Each

XVII - Water Supply Fittings & Branch Pipes

Sr. No.	Item Description	Rate in `	Unit
18	Providing and fixing chromium plated brass shower rose with ball and socket joint and 20 mm (3/4") or 15 mm (1/2") nominal bore inlet etc. complete as directed.		
	(a) 125 mm (5") nominal dia.	440.00	Each
	(b) 150 mm (6") nominal dia.	529.00	Each
19	Providing and fixing gun metal foot valve with brass strainer screwed end, tested by MCGM or bearing ISI mark complete as directed.		
	(a) 25 mm (1") nominal bore	435.00	Each
	(b) 32 mm (1 1/4") nominal bore	581.00	Each
	(c) 40 mm (1 1/2") nominal bore	702.00	Each
	(d) 50 mm (2") nominal bore	992.00	Each
	(e) 65 mm (2 1/2") nominal bore	1,670.00	Each
	(f) 80 mm (3") nominal bore	2,780.00	Each
20	Providing and fixing CI foot valve with flanged ends with metallic washer, tested by MCGM or bearing ISI mark complete as directed.		
	(a) 80 mm (3") nominal dia.	4,193.00	Each
	(b) 100 mm (4") nominal dia.	6,043.00	Each
21	Providing and fixing gun metal globe type hydrant 65 mm nominal bore outlet and 80 mm nominal bore flanged inlet with wheel and other accessories, tested by MCGM or bearing ISI mark complete as directed.	6,143.00	Each
22	Providing and fixing dial pressure gauges to measure 0 to 14 Kgs./Sq.Cm. (0 to 200 lbs/Sq.In.) tested by MCGM or bearing ISI mark complete as directed (calibrated in British and metric units).		
	(a) 100 mm (4") nominal dia.	389.00	Each
	(b) 150 mm (6") nominal dia.	570.00	Each
	(c) 250 mm (10") nominal dia.	1,433.00	Each
23	Providing and fixing light pattern CI road box tested by MCGM or bearing ISI mark with brick masonry chamber for stop cock etc. complete as directed.	3,691.00	Each
24	Providing and fixing spouts comprising of 25 mm (1") nominal bore 450 mm long GI pipe 'B' class (medium) & GI elbow including making hole in masonry/ concrete and reinstating the hole etc. complete as directed.	116.00	Each

XVII - Water Supply Fittings & Branch Pipes

Sr. No.	Item Description	Rate in `	Unit
25	Providing and fixing GI screwed flanges tested by MCGM or bearing ISI mark complete as directed.		
	(a) 25 mm (1") nominal bore	216.00	Each
	(b) 32 mm (1 1/4") nominal bore	226.00	Each
	(c) 40 mm (1 1/2") nominal bore	290.00	Each
	(d) 50 mm (2") nominal bore	324.00	Each
	(e) 65 mm (2 1/2") nominal bore	476.00	Each
	(f) 80 mm (3") nominal bore	516.00	Each
	(g) 100 mm (4") nominal bore	585.00	Each
26	Providing and fixing vent or over-flow GI pipe 'B' class 1 Mtr. long with necessary fittings and brass mosquito-proof coupling tested by MCGM or bearing ISI mark complete as directed.		
	(a) 15 mm (1/2") nominal bore	263.00	Each
	(b) 20 mm (3/4") nominal bore	385.00	Each
	(c) 25 mm (1") nominal bore	517.00	Each
	(d) 32 mm (1 1/4") nominal bore	707.00	Each
	(e) 40 mm (1 1/2") nominal bore	868.00	Each
	(f) 50 mm (2") nominal bore	1,166.00	Each
	(g) 65 mm (2 1/2") nominal bore	1,896.00	Each
27	Providing and fixing CI over-flow pipes with mosquito-proof netting & m.s. flanges including painting etc. complete as directed.		
	(a) 80 mm (3") nominal bore	3,227.00	Each
	(b) 100 mm (4") nominal bore	3,544.00	Each
	(c) 150 mm (6") nominal bore	4,366.00	Each
28	Fixing 80 mm (3") dia. G I pipe, collecting from the store in the jurisdiction of Civil Engineering Dept, cutting the pipe as per requirement etc. including providing and fixing new ISI marked GI fittings such as 'T's, elbows, bends, etc. including making holes in masonry, reinstating the same, fixing with m.s. clamps with GI nails etc. complete as directed.	326.00	Mtr.
29	Providing and fixing UPVC/ ASTM pipes with its fittings as per manufacturer's instruction etc. complete as directed.		
	(a) 80 mm (3") nominal dia.	776.00	Mtr.
	(b) 65 mm (2.5") nominal dia.	654.00	Mtr.
	(c) 40 mm (1.5") nominal dia.	270.00	Mtr.
	(d) 32 mm (1.25") nominal dia.	248.00	Mtr.

XVII - Water Supply Fittings & Branch Pipes

Sr. No.	Item Description	Rate in `	Unit
	(e) 25 mm (1") nominal dia.	198.00	Mtr.
	(f) 20 mm (0.75") nominal dia.	163.00	Mtr.
30	Providing and fixing 15 mm size brass chromium plated pillar tap heavy/ approved quality including making holes to wash basin/ removing existing pillar tap etc. complete as directed.	628.00	Each
31	Providing and fixing 15 mm dia. size nominal bore brass chromium plated 380 to 420 gms. screw down pattern bib tap tested by MCGM or bearing ISI mark, using new reducer and removing existing bib tap etc. complete as directed.	330.00	Each
32	Providing and fixing chromium plated waste coupling and PVC flexible pipe to wash basin or at kitchen sink etc. complete as directed.	365.00	Each

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'B' Class (medium) etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 1a of Section -XVII of MbPT SOR 2014
 New Item No. 1a of Section -XVII
 NBO Ref. No.23.1a Page:285 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'B' Class pipe-15mm dia. incl.5% wastage	10.50	Mtrs.	70.34	738.56	1.	Plumber I	0.67	No.	540.38	362.05	
2.	Cost of fittings-10%		Lumpsum		73.86	2.	Mazdoor-Male	0.67	No.	478.85	320.83	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					848.42	TOTAL (L) =Rs.					682.88	

Total of (M) + (L) = (I) = ` 1531.30
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 125.38

Area = 10 X 3.14 X 0.020	=	0.628	Sq.M.
*Cost of painting: 0.628	Sq.M.	170.00	106.76
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 1656.68
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 153.13
Add: Cost for painting*: (V)=Rs. 106.76

Grand Total = (III)+(IV)+(V) =Rs. 1916.57

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 1916.57 ÷ 10.00 =Rs. 191.66

Say Rs. 192.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'B' Class (medium) etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 1b of Section -XVII of MbPT SOR 2014
 New Item No. 1b of Section -XVII
 NBO Ref. No.23.1b Page:285 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'B' Class pipe-20mm dia. incl.5% wastage	10.50	Mtrs.	85.59	898.73	1.	Plumber I	0.75	No.	540.38	405.29	
2.	Cost of fittings-10%		Lumpsum		89.87	2.	Mazdoor-Male	0.67	No.	478.85	320.83	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1024.60	TOTAL (L) =Rs.					726.11	

Total of (M) + (L) = (I) = ` 1750.72
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 133.31

Area = 10 X 3.14 X 0.025	=	0.785	Sq.M.
*Cost of painting: 0.785	Sq.M.	170.00	133.45
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 1884.03
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 175.07
Add: Cost for painting*: (V)=Rs. 133.45

Grand Total = (III)+(IV)+(V) =Rs. 2192.56

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 2192.56 ÷ 10.00 =Rs. 219.26

Say Rs. 219.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'B' Class (medium) etc.
(c) 25mm (1") nominal bore

Corresponding Item No. 1c of Section -XVII of MbPT SOR 2014
 New Item No. 1c of Section -XVII
 NBO Ref. No.23.1c Page:285 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'B' Class pipe-25mm dia. incl.5% wastage	10.50	Mtrs.	115.25	1210.17	1.	Plumber I	0.83	No.	540.38	448.52	
2.	Cost of fittings-10%		Lumpsum		121.02	2.	Mazdoor-Male	0.67	No.	478.85	320.83	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1367.19	TOTAL (L) =Rs.					769.34	

Total of (M) + (L) = (I) = ` 2136.54
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 104.71
Add: Allowance for Employee' insurance @4.75% of (L) = ` 36.54
 Total of allowances = (II) = ` 141.25

Area = 10 X 3.14 X 0.030	=	0.942	Sq.M.
*Cost of painting: 0.942	Sq.M.	170.00	160.14
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 2277.79
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 213.65
Add: Cost for painting*: (V)=Rs. 160.14

Grand Total = (III)+(IV)+(V) =Rs. 2651.58

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 2651.58 ÷ 10.00 =Rs. 265.16

Say Rs. 265.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'B' Class (medium) etc.
(d) 32mm (1 1/4") nominal bore

Corresponding Item No. 1d of Section -XVII of MbPT SOR 2014
 New Item No. 1d of Section -XVII
 NBO Ref. No.23.1d Page:286 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'B' Class pipe-32mm dia. incl.5% wastage	10.50	Mtrs.	144.92	1521.61	1.	Plumber I	0.83	No.	540.38	448.52	
2.	Cost of fittings-10%		Lumpsum		152.16	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1709.78	TOTAL (L) =Rs.					927.37	

Total of (M) + (L) = (I) = ` 2637.14
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 126.21
Add: Allowance for Employee' insurance @4.75% of (L) = ` 44.05
 Total of allowances = (II) = ` 170.26

Area = 10 X 3.14 X 0.038	=	1.193	Sq.M.
*Cost of painting: 1.193	Sq.M.	170.00	202.84
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 2807.41
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 263.71
Add: Cost for painting*: (V)=Rs. 202.84

Grand Total = (III)+(IV)+(V) =Rs. 3273.96

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 3273.96 ÷ 10.00 =Rs. 327.40

Say Rs. 327.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'B' Class (medium) etc.
(e) 40mm (1 1/2") nominal bore

Corresponding Item No. 1e of Section -XVII of MbPT SOR 2014
 New Item No. 1e of Section -XVII
 NBO Ref. No.23.1e Page:286 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'B' Class pipe-40mm dia. incl.5% wastage	10.50	Mtrs.	151.70	1592.80	1.	Plumber I	1.00	No.	540.38	540.38	
2.	Cost of fittings-10%		Lumpsum		159.28	2.	Mazdoor-Male	1.33	No.	478.85	636.87	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1788.08	TOTAL (L) =Rs.					1177.25	

Total of (M) + (L) = (I) = ` 2965.33
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 216.14

Area = 10 X 3.14 X 0.045	=	1.413	Sq.M.
*Cost of painting: 1.413	Sq.M.	170.00	240.21
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 3181.47
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 296.53
Add: Cost for painting*: (V)=Rs. 240.21

Grand Total = (III)+(IV)+(V) =Rs. 3718.22

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 3718.22 ÷ 10.00 =Rs. 371.82

Say Rs. 372.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'B' Class (medium) etc.
(f) 50mm (2") nominal bore

Corresponding Item No. 1f of Section -XVII of MbPT SOR 2014
 New Item No. 1f of Section -XVII
 NBO Ref. No.23.1f Page:286 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'B' Class pipe-50mm dia. incl.5% wastage	10.50	Mtrs.	211.87	2224.58	1.	Plumber I	1.17	No.	540.38	632.24	
2.	Cost of fittings-10%		Lumpsum		222.46	2.	Mazdoor-Male	1.67	No.	478.85	799.68	
3.	Cement, sand , grit etc.		Lumpsum		30.00							
4.	Carriage		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					2495.04	TOTAL (L) =Rs.					1431.92	

Total of (M) + (L) = (I) = ` 3926.96
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 194.88
Add: Allowance for Employee' insurance @4.75% of (L) = ` 68.02
 Total of allowances = (II) = ` 262.90

Area = 10 X 3.14 X 0.058	=	1.821	Sq.M.
*Cost of painting: 1.821	Sq.M.	170.00	309.60
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 4189.87
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 392.70
Add: Cost for painting*: (V)=Rs. 309.60

Grand Total = (III)+(IV)+(V) =Rs. 4892.17

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 4892.17 ÷ 10.00 =Rs. 489.22

Say Rs. 489.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'B' Class (medium) etc.
(g) 65mm (2 1/2") nominal bore

Corresponding Item No. 1g of Section -XVII of MbPT SOR 2014
 New Item No. 1g of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'B' Class pipe-65mm dia. incl.5% wastage	10.50	Mtrs.	324.58	3408.06	1.	Plumber I	1.43	No.	540.38	772.74	
2.	Cost of fittings-10%		Lumpsum		340.81	2.	Mazdoor-Male	2.18	No.	478.85	1043.89	
3.	Cement, sand , grit etc.		Lumpsum		30.00							
4.	Carriage		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					3796.87	TOTAL (L) =Rs.					1816.64	

Total of (M) + (L) = (I) = ` 5613.50
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 333.53

Area = 10 X 3.14 X 0.072	=	2.261	Sq.M.
*Cost of painting: 2.261	Sq.M.	170.00	384.34
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 5947.04
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 561.35
Add: Cost for painting*: (V)=Rs. 384.34

Grand Total = (III)+(IV)+(V) =Rs. 6892.72

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 6892.72 ÷ 10.00 =Rs. 689.27

Say Rs. 689.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'B' Class (medium) etc.
(h) 80mm (3") nominal bore

Corresponding Item No. 1h of Section -XVII of MbPT SOR 2014
 New Item No. 1h of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'B' Class pipe-80mm dia. incl.5% wastage	10.50	Mtrs.	364.41	3826.28	1.	Plumber I	1.68	No.	540.38	907.84	
2.	Cost of fittings-10%		Lumpsum		382.63	2.	Mazdoor-Male	2.69	No.	478.85	1288.11	
3.	Cement, sand , grit etc.		Lumpsum		40.00							
4.	Carriage		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					4266.91	TOTAL (L) =Rs.					2195.94	

Total of (M) + (L) = (I) = ` 6462.85
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 403.18

Area = 10 X 3.14 X 0.090	=	2.826	Sq.M.
*Cost of painting: 2.826	Sq.M.	170.00	480.42
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 6866.03
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 646.29
Add: Cost for painting*: (V)=Rs. 480.42

Grand Total = (III)+(IV)+(V) =Rs. 7992.74

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 7992.74 ÷ 10.00 =Rs. 799.27

Say Rs. 799.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 2a of Section -XVII of MbPT SOR 2014
 New Item No. 2a of Section -XVII
 NBO Ref. No.23.2a Page:287 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-15mm dia. incl.5% wastage	10.50	Mtrs.	83.90	880.93	1.	Plumber I	0.67	No.	540.38	362.05	
2.	Cost of fittings-10%		Lumpsum		88.09	2.	Mazdoor-Male	0.67	No.	478.85	320.83	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1005.03	TOTAL (L) =Rs.					682.88	

Total of (M) + (L) = (I) = ` 1687.91
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 92.94
Add: Allowance for Employee' insurance @4.75% of (L) = ` 32.44
 Total of allowances = (II) = ` 125.38

Area = 10 X 3.14 X 0.020	=	0.628	Sq.M.
*Cost of painting: 0.628	Sq.M.	170.00	106.76
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 1813.29
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 168.79
Add: Cost for painting*: (V)=Rs. 106.76
 Grand Total = (III)+(IV)+(V) =Rs. 2088.84

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 2088.84 ÷ 10.00 =Rs. 208.88

Say Rs. 209.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 2b of Section -XVII of MbPT SOR 2014
 New Item No. 2b of Section -XVII
 NBO Ref. No.23.2b Page:287 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-20mm dia. incl.5% wastage	10.50	Mtrs.	111.02	1165.68	1.	Plumber I	0.75	No.	540.38	405.29	
2.	Cost of fittings-10%		Lumpsum		116.57	2.	Mazdoor-Male	0.67	No.	478.85	320.83	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1318.25	TOTAL (L) =Rs.					726.11	

Total of (M) + (L) = (I) = ` 2044.36
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 98.82
Add: Allowance for Employee' insurance @4.75% of (L) = ` 34.49
 Total of allowances = (II) = ` 133.31

Area = 10 X 3.14 X 0.025	=	0.785	Sq.M.
*Cost of painting: 0.785	Sq.M.	170.00	133.45
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 2177.68
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 204.44
Add: Cost for painting*: (V)=Rs. 133.45

Grand Total = (III)+(IV)+(V) =Rs. 2515.56

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 2515.56 ÷ 10.00 =Rs. 251.56

Say Rs. 252.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(c) 25mm (1") nominal bore

Corresponding Item No. 2c of Section -XVII of MbPT SOR 2014
 New Item No. 2c of Section -XVII
 NBO Ref. No.23.2c Page:287 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-25mm dia. incl.5% wastage	10.50	Mtrs.	152.54	1601.70	1.	Plumber I	0.83	No.	540.38	448.52	
2.	Cost of fittings-10%		Lumpsum		160.17	2.	Mazdoor-Male	0.67	No.	478.85	320.83	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1797.87	TOTAL (L) =Rs.					769.34	

Total of (M) + (L) = (I) = ` 2567.21
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 141.25

Area = 10 X 3.14 X 0.030	=	0.942	Sq.M.
*Cost of painting: 0.942	Sq.M.	170.00	160.14
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 2708.47

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 256.72

Add: Cost for painting*: (V)=Rs. 160.14

Grand Total = (III)+(IV)+(V) =Rs. 3125.33

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 3125.33 ÷ 10.00 =Rs. 312.53

Say Rs. 313.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(d) 32mm (1 1/4") nominal bore

Corresponding Item No. 2d of Section -XVII of MbPT SOR 2014
 New Item No. 2d of Section -XVII
 NBO Ref. No.23.2d Page:287 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-32mm dia. incl.5% wastage	10.50	Mtrs.	203.39	2135.60	1.	Plumber I	0.83	No.	540.38	448.52	
2.	Cost of fittings-10%		Lumpsum		213.56	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		8.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					2385.16	TOTAL (L) =Rs.					927.37	

Total of (M) + (L) = (I) = ` 3312.52
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 126.21
Add: Allowance for Employee' insurance @4.75% of (L) = ` 44.05
 Total of allowances = (II) = ` 170.26

Area = 10 X 3.14 X 0.038	=	1.193	Sq.M.
*Cost of painting: 1.193	Sq.M.	170.00	202.84
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 3482.79
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 331.25
Add: Cost for painting*: (V)=Rs. 202.84

Grand Total = (III)+(IV)+(V) =Rs. 4016.89

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 4016.89 ÷ 10.00 =Rs. 401.69

Say Rs. 402.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(e) 40mm (1 1/2") nominal bore

Corresponding Item No. 2e of Section -XVII of MbPT SOR 2014
 New Item No. 2e of Section -XVII
 NBO Ref. No.23.2e Page:288 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-40mm dia. incl.5% wastage	10.50	Mtrs.	233.05	2447.04	1.	Plumber I	1.00	No.	540.38	540.38	
2.	Cost of fittings-10%		Lumpsum		244.70	2.	Mazdoor-Male	1.33	No.	478.85	636.87	
3.	Cement, sand , grit etc.		Lumpsum		20.00							
4.	Carriage		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					2729.74	TOTAL (L) =Rs.					1177.25	

Total of (M) + (L) = (I) = ` 3907.00
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 160.22
Add: Allowance for Employee' insurance @4.75% of (L) = ` 55.92
 Total of allowances = (II) = ` 216.14

Area = 10 X 3.14 X 0.045	=	1.413	Sq.M.
*Cost of painting: 1.413	Sq.M.	170.00	240.21
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 4123.14
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 390.70
Add: Cost for painting*: (V)=Rs. 240.21

Grand Total = (III)+(IV)+(V) =Rs. 4754.05

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 4754.05 ÷ 10.00 =Rs. 475.40

Say Rs. 475.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(f) 50mm (2") nominal bore

Corresponding Item No. 2f of Section -XVII of MbPT SOR 2014
 New Item No. 2f of Section -XVII
 NBO Ref. No.23.2f Page:288 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-50mm dia. incl.5% wastage	10.50	Mtrs.	338.98	3559.33	1.	Plumber I	1.17	No.	540.38	632.24	
2.	Cost of fittings-10%		Lumpsum		355.93	2.	Mazdoor-Male	1.67	No.	478.85	799.68	
3.	Cement, sand , grit etc.		Lumpsum		30.00							
4.	Carriage		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					3963.27	TOTAL (L) =Rs.					1431.92	

Total of (M) + (L) = (I) = ` 5395.19
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 262.90

Area = 10 X 3.14 X 0.058	=	1.821	Sq.M.
*Cost of painting: 1.821	Sq.M.	170.00	309.60
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 5658.09
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 539.52
Add: Cost for painting*: (V)=Rs. 309.60

Grand Total = (III)+(IV)+(V) =Rs. 6507.21

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 6507.21 ÷ 10.00 =Rs. 650.72

Say Rs. 651.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(g) 65mm (2 1/2") nominal bore

Corresponding Item No. 2g of Section -XVII of MbPT SOR 2014
 New Item No. 2g of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-65mm dia. incl.5% wastage	10.50	Mtrs.	353.39	3710.60	1.	Plumber I	1.43	No.	540.38	772.74	
2.	Cost of fittings-10%		Lumpsum		371.06	2.	Mazdoor-Male	2.18	No.	478.85	1043.89	
3.	Cement, sand , grit etc.		Lumpsum		30.00							
4.	Carriage		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					4129.66	TOTAL (L) =Rs.					1816.64	

Total of (M) + (L) = (I) = ` 5946.30
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 247.24
Add: Allowance for Employee' insurance @4.75% of (L) = ` 86.29
 Total of allowances = (II) = ` 333.53

Area = 10 X 3.14 X 0.072	=	2.261	Sq.M.
*Cost of painting: 2.261	Sq.M.	170.00	384.34
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 6279.83
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 594.63
Add: Cost for painting*: (V)=Rs. 384.34

Grand Total = (III)+(IV)+(V) =Rs. 7258.80

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 7258.80 ÷ 10.00 =Rs. 725.88

Say Rs. 726.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(h) 80mm (3") nominal bore

Corresponding Item No. 2h of Section -XVII of MbPT SOR 2014
 New Item No. 2h of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-80mm dia. incl.5% wastage	10.50	Mtrs.	444.92	4671.62	1.	Plumber I	1.68	No.	540.38	907.84	
2.	Cost of fittings-10%		Lumpsum		467.16	2.	Mazdoor-Male	2.69	No.	478.85	1288.11	
3.	Cement, sand , grit etc.		Lumpsum		40.00							
4.	Carriage		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					5196.79	TOTAL (L) =Rs.					2195.94	

Total of (M) + (L) = (I) = ` 7392.73
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 298.87
Add: Allowance for Employee' insurance @4.75% of (L) = ` 104.31
 Total of allowances = (II) = ` 403.18

Area = 10 X 3.14 X 0.090	=	2.826	Sq.M.
*Cost of painting: 2.826	Sq.M.	170.00	480.42
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 7795.91
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 739.27
Add: Cost for painting*: (V)=Rs. 480.42

Grand Total = (III)+(IV)+(V) =Rs. 9015.60

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 9015.60 ÷ 10.00 =Rs. 901.56

Say Rs. 902.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & fixing to structure WI galvanised pipes 'C' Class (heavy) etc.
(i) 100mm (4") nominal bore

Corresponding Item No. 2i of Section -XVII of MbPT SOR 2014
 New Item No. 2i of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-100mm dia incl.5% wastage	10.50	Mtrs.	662.71	6958.49	1.	Plumber I	1.68	No.	540.38	907.84	
2.	Cost of fittings-10%		Lumpsum		695.85	2.	Mazdoor-Male	2.69	No.	478.85	1288.11	
3.	Cement, sand , grit etc.		Lumpsum		40.00							
4.	Carriage		Lumpsum		10.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					7712.34	TOTAL (L) =Rs.					2195.94	

Total of (M) + (L) = (I) = ` 9908.29
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 298.87
Add: Allowance for Employee' insurance @4.75% of (L) = ` 104.31
 Total of allowances = (II) = ` 403.18

Area = 10 X 3.14 X 0.110	=	3.454	Sq.M.
*Cost of painting: 3.454	Sq.M.	170.00	587.18
(Item No.8, Section-X)			

Total = (I) + (II) = (III) = ` 10311.46
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 990.83
Add: Cost for painting*: (V)=Rs. 587.18

Grand Total = (III)+(IV)+(V) =Rs. 11889.47

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 11889.47 ÷ 10.00 =Rs. 1188.95

Say Rs. 1189.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying in trenches galvanised water pipes 'C' Class (heavy) etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 3a of Section -XVII of MbPT SOR 2014
 New Item No. 3a of Section -XVII
 NBO Ref. No.23.4a Page:290 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-15mm dia. incl.2% wastage & fittings	10.20	Mtrs.	83.90	855.77	1.	Plumber II	0.08	No.	525.00	42.00	
2.	White lead, hemp, oil etc.		Lumpsum		20.00	2.	Mazdoor-Male	0.16	No.	478.85	76.62	
3.	Carriage		Lumpsum		8.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					891.77	TOTAL (L) =Rs.					118.62	

Total of (M) + (L) =	(I)	= `	1010.38	Total = (I) + (II) =	(III)	= `	1032.16
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	101.04
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	16.14	Grand Total	=	(III)+(IV)= `	1133.20
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.63	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	21.78	Therefore, Unit cost	=		
				1133.20 ÷ 10.00	=Rs.		113.32
			Say Rs. 113.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying in trenches galvanised water pipes 'C' Class (heavy) etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 3b of Section -XVII of MbPT SOR 2014
 New Item No. 3b of Section -XVII
 NBO Ref. No.23.4b Page:290 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-20mm dia. incl.2% wastage & fittings	10.20	Mtrs.	111.02	1132.38	1.	Plumber II	0.08	No.	525.00	42.00	
2.	White lead, hemp, oil etc.		Lumpsum		20.00	2.	Mazdoor-Male	0.16	No.	478.85	76.62	
3.	Carriage		Lumpsum		8.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1168.38	TOTAL (L) =Rs.					118.62	

Total of (M) + (L) =	(I)	= `	1286.99	Total = (I) + (II) =	(III)	= `	1308.77
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	128.70
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	16.14	Grand Total	=	(III)+(IV)= `	1437.47
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.63	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	21.78	Therefore, Unit cost 1437.47 ÷ 10.00 =Rs.			143.75
			Say Rs. 144.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying in trenches galvanised water pipes 'C' Class (heavy) etc.
(c) 25mm (1") nominal bore

Corresponding Item No. 3c of Section -XVII of MbPT SOR 2014
 New Item No. 3c of Section -XVII
 NBO Ref. No.23.4c Page:291 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-25mm dia. incl.2% wastage & fittings	10.20	Mtrs.	152.54	1555.94	1.	Plumber II	0.12	No.	525.00	63.00	
2.	White lead, hemp, oil etc.		Lumpsum		20.00	2.	Mazdoor-Male	0.25	No.	478.85	119.71	
3.	Carriage		Lumpsum		8.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1591.94	TOTAL (L) =Rs.					182.71	

Total of (M) + (L) =	(I)	= `	1774.65	Total = (I) + (II) =	(III)	= `	1808.20
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	177.46
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	24.87	Grand Total	=	(III)+(IV)= `	1985.66
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	8.68	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	33.55	Therefore, Unit cost	=		
				1985.66	÷	10.00	=Rs. 198.57
			Say Rs. 199.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying in trenches galvanised water pipes 'C' Class (heavy) etc.
(d) 32mm (1 1/4") nominal bore

Corresponding Item No. 3d of Section -XVII of MbPT SOR 2014
 New Item No. 3d of Section -XVII
 NBO Ref. No.23.4d Page:291 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-32mm dia. incl.2% wastage & fittings	10.20	Mtrs.	203.39	2074.58	1.	Plumber II	0.12	No.	525.00	63.00	
2.	White lead, hemp, oil etc.		Lumpsum		20.00	2.	Mazdoor-Male	0.25	No.	478.85	119.71	
3.	Carriage		Lumpsum		8.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					2110.58	TOTAL (L) =Rs.					182.71	

Total of (M) + (L) =	(I)	= `	2293.29	Total = (I) + (II) =	(III)	= `	2326.84
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	229.33
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	24.87	Grand Total	=	(III)+(IV)= `	2556.17
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	8.68	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	33.55	Therefore, Unit cost 2556.17 ÷ 10.00	=	=Rs.	255.62
			Say Rs. 256.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying in trenches galvanised water pipes 'C' Class (heavy) etc.
(e) 40mm (1 1/2") nominal bore

Corresponding Item No. 3e of Section -XVII of MbPT SOR 2014
 New Item No. 3e of Section -XVII
 NBO Ref. No.23.4e Page:291 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-40mm dia. incl.2% wastage & fittings	10.20	Mtrs.	233.05	2377.13	1.	Plumber II	0.16	No.	525.00	84.00	
2.	White lead, hemp, oil etc.		Lumpsum		20.00	2.	Mazdoor-Male	0.33	No.	478.85	158.02	
3.	Carriage		Lumpsum		10.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					2415.13	TOTAL (L) =Rs.					242.02	

Total of (M) + (L) =	(I)	= `	2657.15	Total = (I) + (II) =	(III)	= `	2701.58
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	265.71
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	32.94	Grand Total	=	(III)+(IV)= `	2967.30
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	11.50	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	44.43	Therefore, Unit cost 2967.30 ÷ 10.00	=	=Rs.	296.73
			Say Rs. 297.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying in trenches galvanised water pipes 'C' Class (heavy) etc.
(f) 50mm (2") nominal bore

Corresponding Item No. 3f of Section -XVII of MbPT SOR 2014
 New Item No. 3f of Section -XVII
 NBO Ref. No.23.4f Page:291 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-50mm dia. incl.2% wastage & fittings	10.20	Mtrs.	338.98	3457.64	1.	Plumber II	0.16	No.	525.00	84.00	
2.	White lead, hemp, oil etc.		Lumpsum		30.00	2.	Mazdoor-Male	0.33	No.	478.85	158.02	
3.	Carriage		Lumpsum		10.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					3505.64	TOTAL (L) =Rs.					242.02	

Total of (M) + (L) =	(I)	= `	3747.66	Total = (I) + (II) =	(III)	= `	3792.09
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	374.77
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	32.94	Grand Total	=	(III)+(IV)= `	4166.86
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	11.50	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	44.43	Therefore, Unit cost	=		
				4166.86 ÷ 10.00	=Rs.		416.69
			Say Rs. 417.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying in trenches galvanised water pipes 'C' Class (heavy) etc.
(g) 65mm (2 1/2") nominal bore

Corresponding Item No. 3g of Section -XVII of MbPT SOR 2014
 New Item No. 3g of Section -XVII
 NBO Ref. No.23.4g Page:292 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-65mm dia. incl.2% wastage & fittings	10.20	Mtrs.	353.39	3604.59	1.	Plumber II	0.25	No.	525.00	131.25	
2.	White lead, hemp, oil etc.		Lumpsum		30.00	2.	Mazdoor-Male	0.66	No.	478.85	316.04	
3.	Carriage		Lumpsum		10.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					3652.59	TOTAL (L) =Rs.					447.29	

Total of (M) + (L) =	(I)	= `	4099.88	Total = (I) + (II) =	(III)	= `	4182.00
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	409.99
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	60.88	Grand Total	=	(III)+(IV)= `	4591.99
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	21.25	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	82.12	Therefore, Unit cost	=		
				4591.99 ÷ 10.00	=Rs.		459.20
			Say Rs. 459.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing & laying in trenches galvanised water pipes 'C' Class (heavy) etc.
(h) 80mm (3") nominal bore

Corresponding Item No. 3h of Section -XVII of MbPT SOR 2014
 New Item No. 3h of Section -XVII
 NBO Ref. No.23.4h Page:292 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI 'C' Class pipe-80mm dia. incl.2% wastage & fittings	10.20	Mtrs.	444.92	4538.15	1.	Plumber II	0.25	No.	525.00	131.25	
2.	White lead, hemp, oil etc.		Lumpsum		40.00	2.	Mazdoor-Male	0.66	No.	478.85	316.04	
3.	Carriage		Lumpsum		10.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					4596.15	TOTAL (L) =Rs.					447.29	

Total of (M) + (L) =	(I)	= `	5043.44	Total = (I) + (II) =	(III)	= `	5125.56
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	504.34
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	60.88	Grand Total	=	(III)+(IV)= `	5629.91
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	21.25	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	82.12	Therefore, Unit cost	=		
				5629.91 ÷ 10.00	=Rs.		562.99
			Say Rs. 563.00	per Mtr.			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass nickel plated bib taps etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 4a of Section -XVII of MbPT SOR 2014
 New Item No. 4a of Section -XVII
 NBO Ref. No.23.92(a) Page:445 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass nickel plated bib taps-15mm dia.	1.00	No.	144.07	144.07	1.	Fixing charges		Lumpsum		24.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					152.07	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	176.07	Total = (I) + (II) =	(III)	= `	180.47
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	17.61
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	198.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost		=	
				198.08	÷	1.00	=Rs. 198.08
			Say Rs. 198.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass nickel plated bib taps etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 4b of Section -XVII of MbPT SOR 2014
 New Item No. 4b of Section -XVII
 NBO Ref. No.23.92(b) Page:445 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass nickel plated bib taps-20mm dia.	1.00	No.	172.88	172.88	1.	Fixing charges		Lumpsum		24.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					180.88	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	204.88	Total = (I) + (II) =	(III)	= `	209.29
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	20.49
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	229.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	229.78	÷	1.00 =Rs. 229.78
			Say Rs. 230.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass stop cocks etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 5a of Section -XVII of MbPT SOR 2014
 New Item No. 5a of Section -XVII
 NBO Ref. No.23.96a Page:446 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass stop cocks-15mm dia.	1.00	No.	144.07	144.07	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					152.07	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	182.07	Total = (I) + (II) =	(III)	= `	187.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	18.21
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	205.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost		=	
				205.78	÷	1.00	=Rs. 205.78
			Say Rs. 206.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass stop cocks etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 5b of Section -XVII of MbPT SOR 2014
 New Item No. 5b of Section -XVII
 NBO Ref. No.23.96b Page:446 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass stop cocks-20mm dia.	1.00	No.	235.59	235.59	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					243.59	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	273.59	Total = (I) + (II) =	(III)	= `	279.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	27.36
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	306.46
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost		=	
				306.46	÷	1.00	=Rs. 306.46
			Say Rs.	306.00	per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass stop cocks etc.
(c) 25mm (1") nominal bore

Corresponding Item No. 5c of Section -XVII of MbPT SOR 2014
 New Item No. 5c of Section -XVII
 NBO Ref. No.23.96c Page:446 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass stop cocks-25mm dia.	1.00	No.	336.44	336.44	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					344.44	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	374.44	Total = (I) + (II) =	(III)	= `	379.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	37.44
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	417.39
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost		=	
				417.39	÷	1.00	=Rs. 417.39
			Say Rs. 417.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass stop cocks etc.
(d) 32mm (1 1/4") nominal bore

Corresponding Item No. 5d of Section -XVII of MbPT SOR 2014
 New Item No. 5d of Section -XVII
 NBO Ref. No.23.96d Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass stop cocks-32mm dia.	1.00	No.	605.93	605.93	1.	Fixing charges		Lumpsum		50.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					613.93	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	663.93	Total = (I) + (II) =	(III)	= `	673.11
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	66.39
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	739.51
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost		=	
				739.51	÷	1.00	=Rs. 739.51
			Say Rs. 740.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass stop cocks etc.
(e) 40mm (1 1/2") nominal bore

Corresponding Item No. 5e of Section -XVII of MbPT SOR 2014
 New Item No. 5e of Section -XVII
 NBO Ref. No.23.96e Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass stop cocks-40mm dia.	1.00	No.	913.56	913.56	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					933.56	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	993.56	Total = (I) + (II) =	(III)	= `	1004.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	99.36
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1103.93
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost		=	
				1103.93	÷	1.00	=Rs. 1103.93
			Say Rs. 1,104.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass stop cocks etc.
(f) 50mm (2") nominal bore

Corresponding Item No. 5f of Section -XVII of MbPT SOR 2014
 New Item No. 5f of Section -XVII
 NBO Ref. No.23.96f Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass stop cocks-50mm dia.	1.00	No.	1394.92	1394.92	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1414.92	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1474.92	Total = (I) + (II) =	(III)	= `	1485.94
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	147.49
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1633.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1633.43	÷	1.00	=Rs. 1633.43
			Say Rs. 1,633.00		per each		

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal wheel valve gate type (Peet valve) etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 6a of Section -XVII of MbPT SOR 2014
 New Item No. 6a of Section -XVII
 NBO Ref. No.23.97a Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal wheel valve gate type-15mm dia.	1.00	No.	211.87	211.87	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					219.87	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	249.87	Total = (I) + (II) =	(III)	= `	255.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	24.99
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	280.36
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost		=	
				280.36	÷	1.00	=Rs. 280.36
			Say Rs. 280.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal wheel valve gate type (Peet valve) etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 6b of Section -XVII of MbPT SOR 2014
 New Item No. 6b of Section -XVII
 NBO Ref. No.23.97b Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal wheel valve gate type-20mm dia.	1.00	No.	298.31	298.31	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					306.31	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	336.31	Total = (I) + (II) =	(III)	= `	341.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	33.63
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	375.44
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	375.44	÷	1.00 =Rs. 375.44
			Say Rs. 375.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal wheel valve gate type (Peet valve) etc.
(c) 25mm (1") nominal bore

Corresponding Item No. 6c of Section -XVII of MbPT SOR 2014
 New Item No. 6c of Section -XVII
 NBO Ref. No.23.97c Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal wheel valve gate type-25mm dia.	1.00	No.	433.05	433.05	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					441.05	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	471.05	Total = (I) + (II) =	(III)	= `	476.56
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	47.11
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	523.67
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	523.67	÷	1.00 =Rs. 523.67
			Say Rs. 524.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal wheel valve gate type (Peet valve) etc.
(d) 32mm (1 1/4") nominal bore

Corresponding Item No. 6d of Section -XVII of MbPT SOR 2014
 New Item No. 6d of Section -XVII
 NBO Ref. No.23.97d Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal wheel valve gate type-32mm dia.	1.00	No.	649.15	649.15	1.	Fixing charges		Lumpsum		50.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					669.15	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	719.15	Total = (I) + (II) =	(III)	= `	728.33
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	71.92
Add: Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	800.25
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	800.25	÷	1.00 =Rs. 800.25
			Say Rs. 800.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal wheel valve gate type (Peet valve) etc.
(e) 40mm (1 1/2") nominal bore

Corresponding Item No. 6e of Section -XVII of MbPT SOR 2014
 New Item No. 6e of Section -XVII
 NBO Ref. No.23.97e Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal wheel valve gate type-40mm dia.	1.00	No.	913.56	913.56	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					933.56	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	993.56	Total = (I) + (II) =	(III)	= `	1004.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	99.36
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1103.93
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost		=	
				1103.93	÷	1.00	=Rs. 1103.93
			Say Rs. 1,104.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal wheel valve gate type (Peet valve) etc.
(f) 50mm (2") nominal bore

Corresponding Item No. 6f of Section -XVII of MbPT SOR 2014
 New Item No. 6f of Section -XVII
 NBO Ref. No.23.97f Page:447 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal wheel valve gate type-50mm dia.	1.00	No.	1327.12	1327.12	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1347.12	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1407.12	Total = (I) + (II) =	(III)	= `	1418.14
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	140.71
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1558.85
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1558.85	÷	1.00	=Rs. 1558.85
			Say Rs. 1,559.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal wheel valve gate type (Peet valve) etc.
(g) 65mm (2 1/2") nominal bore

Corresponding Item No. 6g of Section -XVII of MbPT SOR 2014
 New Item No. 6g of Section -XVII
 NBO Ref. No.23.97g Page:448 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal wheel valve gate type-65mm dia.	1.00	No.	2491.53	2491.53	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2511.53	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	2601.53	Total = (I) + (II) =	(III)	= `	2618.06
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	260.15
Add: Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	2878.21
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost		=	
				2878.21	÷	1.00	=Rs. 2878.21
			Say Rs. 2,878.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal wheel valve gate type (Peet valve) etc.
(h) 80mm (3") nominal bore

Corresponding Item No. 6h of Section -XVII of MbPT SOR 2014
 New Item No. 6h of Section -XVII
 NBO Ref. No.23.97h Page:448 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal wheel valve gate type-80mm dia.	1.00	No.	3732.21	3732.21	1.	Fixing charges		Lumpsum		120.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					3752.21	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) =	(I)	= `	3872.21	Total = (I) + (II) =	(III)	= `	3894.25
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	387.22
Add: Allowance for PF @13.61% of (L)		= `	16.33	Grand Total	=	(III)+(IV)= `	4281.47
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	4281.47	÷	1.00 =Rs. 4281.47
			Say Rs. 4,281.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI wheel valves gate type with screwed female ends or flanged ends etc.
(a) 25mm (1") nominal bore

Corresponding Item No. 7a of Section -XVII of MbPT SOR 2014
 New Item No. 7a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI wheel valve gate type-25mm dia.	1.00	No.	599.15	599.15	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					619.15	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	649.15	Total = (I) + (II) =	(III)	= `	654.66
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	64.91
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	719.57
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	719.57	÷	1.00 =Rs. 719.57
			Say Rs. 720.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI wheel valves gate type with screwed female ends or flanged ends etc.
(b) 32mm (1 1/4") nominal bore

Corresponding Item No. 7b of Section -XVII of MbPT SOR 2014
 New Item No. 7b of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI wheel valve gate type-32mm dia.	1.00	No.	1036.99	1036.99	1.	Fixing charges		Lumpsum		50.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1056.99	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	1106.99	Total = (I) + (II) =	(III)	= `	1116.17
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	110.70
Add: Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	1226.86
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost		=	
				1226.86	÷	1.00	=Rs. 1226.86
			Say Rs. 1,227.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI wheel valves gate type with screwed female ends or flanged ends etc.
(c) 40mm (1 1/2") nominal bore

Corresponding Item No. 7c of Section -XVII of MbPT SOR 2014
 New Item No. 7c of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI wheel valve gate type-40mm dia.	1.00	No.	1555.48	1555.48	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1575.48	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1635.48	Total = (I) + (II) =	(III)	= `	1646.49
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	163.55
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1810.04
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1810.04	÷	1.00	=Rs. 1810.04
			Say Rs. 1,810.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI wheel valves gate type with screwed female ends or flanged ends etc.
(d) 50mm (2") nominal bore

Corresponding Item No. 7d of Section -XVII of MbPT SOR 2014
 New Item No. 7d of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI wheel valve gate type-50mm dia.	1.00	No.	1843.53	1843.53	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1863.53	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1923.53	Total = (I) + (II) =	(III)	= `	1934.55
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	192.35
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	2126.90
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost		=	
				2126.90	÷	1.00	=Rs. 2126.90
			Say Rs. 2,127.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI wheel valves gate type with screwed female ends or flanged ends etc.
(e) 65mm (2 1/2") nominal bore

Corresponding Item No. 7e of Section -XVII of MbPT SOR 2014
 New Item No. 7e of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI wheel valve gate type-65mm dia.	1.00	No.	2534.85	2534.85	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2554.85	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	2644.85	Total = (I) + (II) =	(III)	= `	2661.38
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	264.49
Add: Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	2925.86
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost	2925.86	÷	1.00 =Rs. 2925.86
			Say Rs. 2,926.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI wheel valves gate type with screwed female ends or flanged ends etc.
(f) 80mm (3") nominal bore

Corresponding Item No. 7f of Section -XVII of MbPT SOR 2014
 New Item No. 7f of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI wheel valve gate type-80mm dia.	1.00	No.	3226.18	3226.18	1.	Fixing charges		Lumpsum		120.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					3246.18	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) =	(I)	= `	3366.18	Total = (I) + (II) =	(III)	= `	3388.21
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	336.62
Add: Allowance for PF @13.61% of (L)		= `	16.33	Grand Total	=	(III)+(IV)= `	3724.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	3724.83	÷	1.00 =Rs. 3724.83
			Say Rs. 3,725.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with copper ball float etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 8a of Section -XVII of MbPT SOR 2014
 New Item No. 8a of Section -XVII
 NBO Ref. No.23.98a(I) Page:448 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with copper ball float-15mm dia.	1.00	No.	220.84	220.84	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					228.84	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	258.84	Total = (I) + (II) =	(III)	= `	264.35
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	25.88
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	290.23
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	290.23	÷	1.00 =Rs. 290.23
			Say Rs. 290.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with copper ball float etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 8b of Section -XVII of MbPT SOR 2014
 New Item No. 8b of Section -XVII
 NBO Ref. No.23.98a(II) Page:448 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with copper ball float-20mm dia.	1.00	No.	234.28	234.28	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					242.28	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	272.28	Total = (I) + (II) =	(III)	= `	277.79
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	27.23
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	305.02
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	305.02	÷	1.00 =Rs. 305.02
			Say Rs. 305.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with copper ball float etc.
(c) 25mm (1") nominal bore

Corresponding Item No. 8c of Section -XVII of MbPT SOR 2014
 New Item No. 8c of Section -XVII
 NBO Ref. No.23.98a(III) Page:448 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with copper ball float-25mm dia.	1.00	No.	288.05	288.05	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					296.05	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	326.05	Total = (I) + (II) =	(III)	= `	331.56
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	32.61
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	364.16
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	364.16	÷	1.00 =Rs. 364.16
			Say Rs. 364.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with copper ball float etc.
(d) 32mm (1 1/4") nominal bore

Corresponding Item No. 8d of Section -XVII of MbPT SOR 2014
 New Item No. 8d of Section -XVII
 NBO Ref. No.23.98d Page:448 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with copper ball float-32mm dia.	1.00	No.	479.13	479.13	1.	Fixing charges		Lumpsum		50.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					499.13	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	549.13	Total = (I) + (II) =	(III)	= `	558.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	54.91
Add: Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	613.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	613.22	÷	1.00 =Rs. 613.22
			Say Rs. 613.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with copper ball float etc.
(e) 40mm (1 1/2") nominal bore

Corresponding Item No. 8e of Section -XVII of MbPT SOR 2014
 New Item No. 8e of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with copper ball float-40mm dia.	1.00	No.	599.15	599.15	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					619.15	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	679.15	Total = (I) + (II) =	(III)	= `	690.16
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	67.91
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	758.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	758.08	÷	1.00 =Rs. 758.08
			Say Rs. 758.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with copper ball float etc.
(f) 50mm (2") nominal bore

Corresponding Item No. 8f of Section -XVII of MbPT SOR 2014
 New Item No. 8f of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with copper ball float-50mm dia.	1.00	No.	1018.74	1018.74	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1038.74	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1098.74	Total = (I) + (II) =	(III)	= `	1109.76
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	109.87
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1219.63
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost		=	
				1219.63	÷	1.00	=Rs. 1219.63
			Say Rs. 1,220.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with copper ball float etc.
(g) 65mm (2 1/2") nominal bore

Corresponding Item No. 8g of Section -XVII of MbPT SOR 2014
 New Item No. 8g of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with copper ball float-65mm dia.	1.00	No.	1677.42	1677.42	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1697.42	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	1787.42	Total = (I) + (II) =	(III)	= `	1803.94
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	178.74
Add: Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	1982.69
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost	=		
				1982.69	÷	1.00	=Rs. 1982.69
			Say Rs. 1,983.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with polythene ball float etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 9a of Section -XVII of MbPT SOR 2014
 New Item No. 9a of Section -XVII
 NBO Ref. No.23.98c(I) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with polythene ball float-15mm dia.	1.00	No.	250.00	250.00	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					270.00	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	300.00	Total = (I) + (II) =	(III)	= `	305.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	30.00
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	335.51
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	335.51	÷	1.00 =Rs. 335.51
			Say Rs. 336.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with polythene ball float etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 9b of Section -XVII of MbPT SOR 2014
 New Item No. 9b of Section -XVII
 NBO Ref. No.23.98c(II) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with polythene ball float-20mm dia.	1.00	No.	346.61	346.61	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					366.61	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	396.61	Total = (I) + (II) =	(III)	= `	402.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	39.66
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	441.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	441.78	÷	1.00 =Rs. 441.78
			Say Rs. 442.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with polythene ball float etc.
(c) 25mm (1") nominal bore

Corresponding Item No. 9c of Section -XVII of MbPT SOR 2014
 New Item No. 9c of Section -XVII
 NBO Ref. No.23.98c(III) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with polythene ball float-25mm dia.	1.00	No.	586.44	586.44	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					606.44	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	636.44	Total = (I) + (II) =	(III)	= `	641.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	63.64
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	705.59
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost		=	
				705.59	÷	1.00	=Rs. 705.59
			Say Rs. 706.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing brass ball valves with polythene ball float etc.
(d) 40mm (1 1/2") nominal bore

Corresponding Item No. 9d of Section -XVII of MbPT SOR 2014
 New Item No. 9d of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass ball valve with polythene ball float-40mm dia.	1.00	No.	1519.50	1519.50	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					1549.50	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1609.50	Total = (I) + (II) =	(III)	= `	1620.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	160.95
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1781.46
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1781.46	÷	1.00	=Rs. 1781.46
			Say Rs. 1,781.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(a) 15mm (1/2") nominal bore
(i) Vertical

Corresponding Item No. 10ai of Section -XVII of MbPT SOR 2014
New Item No. 10ai of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Vertical-15mm dia.	1.00	No.	180.51	180.51	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					200.51	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	230.51	Total = (I) + (II) =	(III)	= `	236.02
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	23.05
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	259.07
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				259.07	÷	1.00	=Rs. 259.07
			Say Rs. 259.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(a) 15mm (1/2") nominal bore
(ii) Horizontal

Corresponding Item No. 10aii of Section -XVII of MbPT SOR 2014
New Item No. 10aii of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Horizontal-15mm dia.	1.00	No.	233.05	233.05	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					253.05	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	283.05	Total	=	(III)=Rs.	288.56
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (III)	=	(IV)=Rs.	28.31
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV) =Rs.	316.86
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost		=	
				316.86	÷	1.00	=Rs. 316.86
			Say Rs. 317.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(b) 20mm (3/4") nominal bore
(i) Vertical

Corresponding Item No. 10bi of Section -XVII of MbPT SOR 2014
New Item No. 10bi of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Vertical-20mm dia.	1.00	No.	269.49	269.49	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					289.49	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	319.49	Total = (I) + (II) =	(III)	= `	325.00
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	31.95
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	356.95
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				356.95	÷	1.00	=Rs. 356.95
			Say Rs. 357.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(b) 20mm (3/4") nominal bore
(ii) Horizontal

Corresponding Item No. 10bii of Section -XVII of MbPT SOR 2014
New Item No. 10bii of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Horizontal-20mm dia.	1.00	No.	372.88	372.88	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					392.88	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	422.88	Total = (I) + (II) =	(III)	= `	428.39
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	42.29
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	470.68
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				470.68 ÷ 1.00	=Rs.		470.68
			Say Rs. 471.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(c) 25mm (1") nominal bore
(i) Vertical

Corresponding Item No. 10ci of Section -XVII of MbPT SOR 2014
 New Item No. 10ci of Section -XVII
 NBO Ref. No.23.99(a) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Vertical-25mm dia.	1.00	No.	383.05	383.05	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					403.05	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	433.05	Total = (I) + (II) =	(III)	= `	438.56
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	43.31
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	481.87
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				481.87	÷	1.00	=Rs. 481.87
			Say Rs. 482.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(c) 25mm (1") nominal bore
(ii) Horizontal

Corresponding Item No. 10cii of Section -XVII of MbPT SOR 2014
New Item No. 10cii of Section -XVII
NBO Ref. No.23.99(a) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Horizontal-25mm dia.	1.00	No.	563.56	563.56	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					583.56	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	613.56	Total = (I) + (II) =	(III)	= `	619.07
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	61.36
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	680.42
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				680.42	÷	1.00	=Rs. 680.42
			Say Rs. 680.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(d) 32mm (1 1/4") nominal bore
(i) Vertical

Corresponding Item No. 10di of Section -XVII of MbPT SOR 2014
New Item No. 10di of Section -XVII
NBO Ref. No.23.99(b) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Vertical-32mm dia.	1.00	No.	538.98	538.98	1.	Fixing charges		Lumpsum		50.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					558.98	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	608.98	Total = (I) + (II) =	(III)	= `	618.16
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	60.90
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	679.06
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	=		
				679.06	÷	1.00	=Rs. 679.06
			Say Rs. 679.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(d) 32mm (1 1/4") nominal bore
(ii) Horizontal

Corresponding Item No. 10dii of Section -XVII of MbPT SOR 2014
New Item No. 10dii of Section -XVII
NBO Ref. No.23.99(b) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Horizontal-32mm dia.	1.00	No.	740.68	740.68	1.	Fixing charges		Lumpsum		50.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					760.68	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) =	(I)	= `	810.68	Total = (I) + (II) =	(III)	= `	819.86
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	81.07
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	6.81	Grand Total	=	(III)+(IV)= `	900.93
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	9.18	Therefore, Unit cost	=		
				900.93	÷	1.00	=Rs. 900.93
			Say Rs. 901.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(e) 40mm (1 1/2") nominal bore
(i) Vertical

Corresponding Item No. 10ei of Section -XVII of MbPT SOR 2014
New Item No. 10ei of Section -XVII
NBO Ref. No.23.99(c) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Vertical-40mm dia.	1.00	No.	721.19	721.19	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					741.19	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	801.19	Total = (I) + (II) =	(III)	= `	812.20
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	80.12
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	892.32
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				892.32	÷	1.00	=Rs. 892.32
			Say Rs. 892.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(e) 40mm (1 1/2") nominal bore
(ii) Horizontal

Corresponding Item No. 10eii of Section -XVII of MbPT SOR 2014
New Item No. 10eii of Section -XVII
NBO Ref. No.23.99(c) Page:449 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Horizontal-40mm dia.	1.00	No.	1192.38	1192.38	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1212.38	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1272.38	Total = (I) + (II) =	(III)	= `	1283.39
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	127.24
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1410.63
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1410.63	÷	1.00	=Rs. 1410.63
			Say Rs. 1,411.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(f) 50mm (2") nominal bore
(i) Vertical

Corresponding Item No. 10fi of Section -XVII of MbPT SOR 2014
New Item No. 10fi of Section -XVII
NBO Ref. No.23.99(d) Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Vertical-50mm dia.	1.00	No.	1134.75	1134.75	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1154.75	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1214.75	Total = (I) + (II) =	(III)	= `	1225.76
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	121.47
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1347.24
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1347.24	÷	1.00	=Rs. 1347.24
			Say Rs. 1,347.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(f) 50mm (2") nominal bore
(ii) Horizontal

Corresponding Item No. 10fii of Section -XVII of MbPT SOR 2014
New Item No. 10fii of Section -XVII
NBO Ref. No.23.99(d) Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Horizontal-50mm dia.	1.00	No.	1587.29	1587.29	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1607.29	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1667.29	Total = (I) + (II) =	(III)	= `	1678.31
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	166.73
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1845.04
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1845.04	÷	1.00	=Rs. 1845.04
			Say Rs. 1,845.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(g) 65mm (2 1/2") nominal bore
(i) Vertical

Corresponding Item No. 10gi of Section -XVII of MbPT SOR 2014
New Item No. 10gi of Section -XVII
NBO Ref. No.23.99(e) Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Vertical-65mm dia.	1.00	No.	2356.79	2356.79	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2376.79	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	2466.79	Total = (I) + (II) =	(III)	= `	2483.31
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	246.68
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	2729.99
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost		=	
				2729.99	÷	1.00	=Rs. 2729.99
			Say Rs. 2,730.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal non-return valve vertical or horizontal etc.
(g) 65mm (2 1/2") nominal bore
(ii) Horizontal

Corresponding Item No. 10gii of Section -XVII of MbPT SOR 2014
New Item No. 10gii of Section -XVII
NBO Ref. No.23.99(e) Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal non-return valve-Horizontal-65mm dia.	1.00	No.	3477.13	3477.13	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					3497.13	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	3587.13	Total = (I) + (II) =	(III)	= `	3603.65
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	358.71
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	3962.37
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost		=	
				3962.37	÷	1.00	=Rs. 3962.37
			Say Rs. 3,962.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal ferrules etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 11a of Section -XVII of MbPT SOR 2014
 New Item No. 11a of Section -XVII
 NBO Ref. No.23.100a Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal ferrule-15mm dia	1.00	No.	298.31	298.31	1.	Fixing charges		Lumpsum		180.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					306.31	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) =	(I)	= `	486.31	Total = (I) + (II) =	(III)	= `	519.35
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	48.63
Add: Allowance for PF @13.61% of (L)		= `	24.50	Grand Total	=	(III)+(IV)= `	567.98
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.55	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	33.05	Therefore, Unit cost	=		
				567.98 ÷ 1.00	=Rs.		567.98
			Say Rs. 568.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal ferrules etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 11b of Section -XVII of MbPT SOR 2014
 New Item No. 11b of Section -XVII
 NBO Ref. No.23.100b Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal ferrule-20mm dia	1.00	No.	481.36	481.36	1.	Fixing charges		Lumpsum		210.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					489.36	TOTAL (L) =Rs.					210.00	

Total of (M) + (L) =	(I)	= `	699.36	Total = (I) + (II) =	(III)	= `	737.91
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	69.94
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	28.58	Grand Total	=	(III)+(IV)= `	807.85
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	9.98	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	38.56	Therefore, Unit cost	=		
				807.85 ÷ 1.00	=Rs.		807.85
			Say Rs. 808.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal ferrules etc.
(c) 25mm (1") nominal bore

Corresponding Item No. 11c of Section -XVII of MbPT SOR 2014
 New Item No. 11c of Section -XVII
 NBO Ref. No.23.100c Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal ferrule-25mm dia	1.00	No.	721.19	721.19	1.	Fixing charges		Lumpsum		240.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					729.19	TOTAL (L) =Rs.					240.00	

Total of (M) + (L) =	(I)	= `	969.19	Total = (I) + (II) =	(III)	= `	1013.25
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	96.92
Add: Allowance for PF @13.61% of (L)		= `	32.66	Grand Total	=	(III)+(IV)= `	1110.17
Add: Allowance for Employee' insurance @4.75% of (L)		= `	11.40	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	44.06	Therefore, Unit cost		=	
				1110.17	÷	1.00	=Rs. 1110.17
			Say Rs. 1,110.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal ferrules etc.
(d) 32mm (1 1/4") nominal bore

Corresponding Item No. 11d of Section -XVII of MbPT SOR 2014
 New Item No. 11d of Section -XVII
 NBO Ref. No.23.100d Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal ferrule-32mm dia	1.00	No.	1317.80	1317.80	1.	Fixing charges		Lumpsum		270.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1325.80	TOTAL (L) =Rs.					270.00	

Total of (M) + (L) =	(I)	= `	1595.80	Total = (I) + (II) =	(III)	= `	1645.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	159.58
Add: Allowance for PF @13.61% of (L)		= `	36.75	Grand Total	=	(III)+(IV)= `	1804.95
Add: Allowance for Employee' insurance @4.75% of (L)		= `	12.83	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	49.57	Therefore, Unit cost	=		
				1804.95 ÷ 1.00	=Rs.		1804.95
			Say Rs. 1,805.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal ferrules etc.
(e) 40mm (1 1/2") nominal bore

Corresponding Item No. 11e of Section -XVII of MbPT SOR 2014
 New Item No. 11e of Section -XVII
 NBO Ref. No.23.100e Page:450 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal ferrule-40mm dia	1.00	No.	1803.39	1803.39	1.	Fixing charges		Lumpsum		300.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1811.39	TOTAL (L) =Rs.					300.00	

Total of (M) + (L) =	(I)	= `	2111.39	Total = (I) + (II) =	(III)	= `	2166.47
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	211.14
Add: Allowance for PF @13.61% of (L)		= `	40.83	Grand Total	=	(III)+(IV)= `	2377.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.25	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	55.08	Therefore, Unit cost	=		
				2377.61	÷	1.00	=Rs. 2377.61
			Say Rs. 2,378.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal ferrules etc.
(f) 50mm (2") nominal bore

Corresponding Item No. 11f of Section -XVII of MbPT SOR 2014
 New Item No. 11f of Section -XVII
 NBO Ref. No.23.100f Page:451 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal ferrule-50mm dia	1.00	No.	2866.11	2866.11	1.	Fixing charges		Lumpsum		350.00	
2.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					2874.11						350.00	

Total of (M) + (L) =	(I)	= `	3224.11	Total = (I) + (II) =	(III)	= `	3288.37
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	322.41
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	47.64	Grand Total	=	(III)+(IV)= `	3610.78
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	16.63	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	64.26	Therefore, Unit cost		=	
				3610.78	÷	1.00	=Rs. 3610.78
			Say Rs. 3,611.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing 15mm chromium plated brass push taps etc.

Corresponding Item No. 12 of Section -XVII of MbPT SOR 2014
 New Item No. 12 of Section -XVII
 NBO Ref. No.23.92 Page:445 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated brass push tap-15mm dia.	1.00	No.	192.37	192.37	1.	Fixing charges		Lumpsum		24.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					200.37	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	224.37	Total = (I) + (II) =	(III)	= `	228.78
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	22.44
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	251.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost		=	
				251.22	÷	1.00	=Rs. 251.22
			Say Rs. 251.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing 15mm (1/2") nominal bore chromium plated brass stop cocks etc.

Corresponding Item No. 13 of Section -XVII of MbPT SOR 2014
 New Item No. 13 of Section -XVII
 NBO Ref. No.23.96a Page:446 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass stop cocks-15mm dia.	1.00	No.	144.07	144.07	1.	Fixing charges		Lumpsum		30.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					152.07	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	182.07	Total = (I) + (II) =	(III)	= `	187.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	18.21
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	205.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost		=	
				205.78	÷	1.00	=Rs. 205.78
			Say Rs. 206.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing polythene bib taps etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 14a of Section -XVII of MbPT SOR 2014
 New Item No. 14a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Polythene bib tap-15mm dia	1.00	No.	26.27	26.27	1.	Fixing charges		Lumpsum		12.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					34.27	TOTAL (L) =Rs.					12.00	

Total of (M) + (L) =	(I)	= `	46.27	Total = (I) + (II) =	(III)	= `	48.47
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4.63
Add: Allowance for PF @13.61% of (L)		= `	1.63	Grand Total	=	(III)+(IV)= `	53.10
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.57	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.20	Therefore, Unit cost	53.10	÷	1.00 =Rs. 53.10
			Say Rs. 53.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing polythene bib taps etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 14b of Section -XVII of MbPT SOR 2014
 New Item No. 14b of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Polythene bib tap-20mm dia	1.00	No.	44.92	44.92	1.	Fixing charges		Lumpsum		12.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					52.92	TOTAL (L) =Rs.					12.00	

Total of (M) + (L) =	(I)	= `	64.92	Total = (I) + (II) =	(III)	= `	67.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	6.49
Add: Allowance for PF @13.61% of (L)		= `	1.63	Grand Total	=	(III)+(IV)= `	73.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.57	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	2.20	Therefore, Unit cost		=	
				73.61	÷	1.00	=Rs. 73.61
			Say Rs. 74.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI lift-up waste preventive bib taps etc.
(a) 15mm (1/2") nominal bore

Corresponding Item No. 15a of Section -XVII of MbPT SOR 2014
 New Item No. 15a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI lift-up waste preventive bib tap-15mm dia.	1.00	No.	116.18	116.18	1.	Fixing charges		Lumpsum		24.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					136.18	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	160.18	Total = (I) + (II) =	(III)	= `	164.59
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	16.02
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	180.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	=		
				180.61	÷	1.00	=Rs. 180.61
			Say Rs. 181.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI lift-up waste preventive bib taps etc.
(b) 20mm (3/4") nominal bore

Corresponding Item No. 15b of Section -XVII of MbPT SOR 2014
 New Item No. 15b of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI lift-up waste preventive bib tap-20mm dia.	1.00	No.	162.27	162.27	1.	Fixing charges		Lumpsum		24.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					182.27	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	206.27	Total = (I) + (II) =	(III)	= `	210.68
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	20.63
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	231.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	231.30	÷	1.00 =Rs. 231.30
			Say Rs. 231.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI chromium plated push type flush valve etc.
(a) 25mm (1") nominal bore

Corresponding Item No. 16a of Section -XVII of MbPT SOR 2014
 New Item No. 16a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI chromium plated push type flush valve-25mm dia.	1.00	No.	1298.31	1298.31	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1318.31	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	1378.31	Total = (I) + (II) =	(III)	= `	1389.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	137.83
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1527.16
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1527.16	÷	1.00	=Rs. 1527.16
			Say Rs. 1,527.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI chromium plated push type flush valve etc.
(b) 32mm (1 1/4") nominal bore

Corresponding Item No. 16b of Section -XVII of MbPT SOR 2014
 New Item No. 16b of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI chromium plated push type flush valve-32mm dia.	1.00	No.	1587.29	1587.29	1.	Fixing charges		Lumpsum		120.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1607.29	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) =	(I)	= `	1727.29	Total = (I) + (II) =	(III)	= `	1749.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	172.73
Add: Allowance for PF @13.61% of (L)		= `	16.33	Grand Total	=	(III)+(IV)= `	1922.05
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	1922.05	÷	1.00 =Rs. 1922.05
			Say Rs. 1,922.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing chromium plated brass shower rose etc.
(a) 125mm (5") nominal dia.

Corresponding Item No. 17a of Section -XVII of MbPT SOR 2014
 New Item No. 17a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated brass shower rose-125mm dia.	1.00	No.	312.71	312.71	1.	Fixing charges		Lumpsum		24.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					320.71	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	344.71	Total = (I) + (II) =	(III)	= `	349.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	34.47
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	383.59
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	383.59	÷	1.00 =Rs. 383.59
			Say Rs. 384.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing chromium plated brass shower rose etc.
(b) 150mm (6") nominal dia.

Corresponding Item No. 17b of Section -XVII of MbPT SOR 2014
 New Item No. 17b of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated brass shower rose-150mm dia.	1.00	No.	336.44	336.44	1.	Fixing charges		Lumpsum		24.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					344.44	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	368.44	Total = (I) + (II) =	(III)	= `	372.85
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	36.84
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	409.69
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	409.69	÷	1.00 =Rs. 409.69
			Say Rs. 410.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing chromium plated brass shower rose with ball and socket joint etc.
(a) 125mm (5") nominal dia.

Corresponding Item No. 18a of Section -XVII of MbPT SOR 2014
New Item No. 18a of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated brass shower rose with ball and socket joint-125mm dia.	1.00	No.	350.85	350.85	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					358.85	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	393.85	Total = (I) + (II) =	(III)	= `	400.27
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	39.38
Add: Allowance for PF @13.61% of (L)		= `	4.76	Grand Total	=	(III)+(IV)= `	439.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost	439.66	÷	1.00 =Rs. 439.66
			Say Rs. 440.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing chromium plated brass shower rose with ball and socket joint etc.
(b) 150mm (6") nominal dia.

Corresponding Item No. 18b of Section -XVII of MbPT SOR 2014
New Item No. 18b of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated brass shower rose with ball and socket joint-150mm dia.	1.00	No.	432.20	432.20	1.	Fixing charges		Lumpsum		35.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					440.20	TOTAL (L) =Rs.					35.00	

Total of (M) + (L) =	(I)	= `	475.20	Total = (I) + (II) =	(III)	= `	481.63
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	47.52
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4.76	Grand Total	=	(III)+(IV)= `	529.15
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.66	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	6.43	Therefore, Unit cost	529.15	÷	1.00 =Rs. 529.15
			Say Rs. 529.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal foot valve with brass stainer screwed end etc.
(a) 25mm (1") nominal dia.

Corresponding Item No. 19a of Section -XVII of MbPT SOR 2014
 New Item No. 19a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal foot valve with brass stainer screwed end-25mm dia.	1.00	No.	322.88	322.88	1.	Fixing charges		Lumpsum		55.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					330.88	TOTAL (L) =Rs.					55.00	

Total of (M) + (L) =	(I)	= `	385.88	Total = (I) + (II) =	(III)	= `	395.98
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	38.59
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	7.49	Grand Total	=	(III)+(IV)= `	434.57
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.61	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	10.10	Therefore, Unit cost	434.57	÷	1.00 =Rs. 434.57
			Say Rs. 435.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal foot valve with brass stainer screwed end etc.
(b) 32mm (1 1/4") nominal dia.

Corresponding Item No. 19b of Section -XVII of MbPT SOR 2014
New Item No. 19b of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal foot valve with brass stainer screwed end-32mm dia.	1.00	No.	450.00	450.00	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					458.00	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	518.00	Total = (I) + (II) =	(III)	= `	529.02
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	51.80
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	580.82
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				580.82	÷	1.00	=Rs. 580.82
			Say Rs. 581.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal foot valve with brass stainer screwed end etc.
(c) 40mm (1 1/2") nominal dia.

Corresponding Item No. 19c of Section -XVII of MbPT SOR 2014
 New Item No. 19c of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal foot valve with brass stainer screwed end-40mm dia.	1.00	No.	560.17	560.17	1.	Fixing charges		Lumpsum		60.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					568.17	TOTAL (L) =Rs.					60.00	

Total of (M) + (L) =	(I)	= `	628.17	Total = (I) + (II) =	(III)	= `	639.19
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	62.82
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	702.00
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	702.00	÷	1.00 =Rs. 702.00
			Say Rs. 702.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal foot valve with brass stainer screwed end etc.
(d) 50mm (2") nominal dia.

Corresponding Item No. 19d of Section -XVII of MbPT SOR 2014
New Item No. 19d of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal foot valve with brass stainer screwed end-50mm dia.	1.00	No.	817.80	817.80	1.	Fixing charges		Lumpsum		65.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					825.80	TOTAL (L) =Rs.					65.00	

Total of (M) + (L) =	(I)	= `	890.80	Total = (I) + (II) =	(III)	= `	902.73
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	89.08
Add: Allowance for PF @13.61% of (L)		= `	8.85	Grand Total	=	(III)+(IV)= `	991.81
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.09	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.93	Therefore, Unit cost	991.81	÷	1.00 =Rs. 991.81
			Say Rs. 992.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal foot valve with brass stainer screwed end etc.
(e) 65mm (2 1/2") nominal dia.

Corresponding Item No. 19e of Section -XVII of MbPT SOR 2014
 New Item No. 19e of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal foot valve with brass stainer screwed end-65mm dia.	1.00	No.	1434.75	1434.75	1.	Fixing charges		Lumpsum		65.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1442.75	TOTAL (L) =Rs.					65.00	

Total of (M) + (L) =	(I)	= `	1507.75	Total = (I) + (II) =	(III)	= `	1519.68
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	150.77
Add: Allowance for PF @13.61% of (L)		= `	8.85	Grand Total	=	(III)+(IV)= `	1670.46
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.09	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.93	Therefore, Unit cost	1670.46	÷	1.00 =Rs. 1670.46
			Say Rs. 1,670.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing gun metal foot valve with brass stainer screwed end etc.
(f) 80mm (3") nominal dia.

Corresponding Item No. 19f of Section -XVII of MbPT SOR 2014
New Item No. 19f of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal foot valve with brass stainer screwed end-80mm dia.	1.00	No.	2443.23	2443.23	1.	Fixing charges		Lumpsum		65.00	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					2451.23	TOTAL (L) =Rs.					65.00	

Total of (M) + (L) =	(I)	= `	2516.23	Total = (I) + (II) =	(III)	= `	2528.16
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	251.62
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	8.85	Grand Total	=	(III)+(IV)= `	2779.78
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3.09	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.93	Therefore, Unit cost	2779.78	÷	1.00 =Rs. 2779.78
			Say Rs. 2,780.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI foot valve with flanged end etc.
(a) 80mm (3") dia.

Corresponding Item No. 20a of Section -XVII of MbPT SOR 2014
 New Item No. 20a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI foot valve with flanged end-80mm dia. heavy metallic	1.00	No.	3710.11	3710.11	1.	Fixing charges		Lumpsum		70.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					3730.11	TOTAL (L) =Rs.					70.00	

Total of (M) + (L) =	(I)	= `	3800.11	Total = (I) + (II) =	(III)	= `	3812.96
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	380.01
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	9.53	Grand Total	=	(III)+(IV)= `	4192.97
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3.33	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	12.85	Therefore, Unit cost		=	
				4192.97	÷	1.00	=Rs. 4192.97
			Say Rs. 4,193.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI foot valve with flanged end etc.
(b) 100mm (4") dia.

Corresponding Item No. 20b of Section -XVII of MbPT SOR 2014
 New Item No. 20b of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI foot valve with flanged end-100mm dia. heavy metallic	1.00	No.	5392.33	5392.33	1.	Fixing charges		Lumpsum		70.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					5412.33	TOTAL (L) =Rs.					70.00	

Total of (M) + (L) =	(I)	= `	5482.33	Total = (I) + (II) =	(III)	= `	5495.18
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	548.23
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	9.53	Grand Total	=	(III)+(IV)= `	6043.41
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3.33	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	12.85	Therefore, Unit cost	=		
				6043.41	÷	1.00	=Rs. 6043.41
			Say Rs. 6,043.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Providing & fixing gun metal globe type hydrant 65mm nominal bore outlet etc.

Corresponding Item No. 21 of Section -XVII of MbPT SOR 2014
 New Item No. 21 of Section -XVII
 NBO Ref. No.23.61 Page:38 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Gun metal globe type hydrant-65mm outlet	10.00	Nos.	4869.03	48690.33	1.	Plumber I	1.50	No.	540.38	810.57	
2.	Rubber insertion	20.00	Nos.	33.90	677.97	2.	Plumber II	1.00	No.	525.00	525.00	
3.	Bolts, nuts-16mm dia.	80.00	Nos.	32.20	2576.28	3.	Mazdoor-Male	4.00	No.	478.85	1915.40	
4.	Carriage		Lumpsum		80.00							
5.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					52054.58	TOTAL (L) =Rs.					3250.97	

Total of (M) + (L) =	(I)	= `	55305.55	Total = (I) + (II) =	(III)	= `	55902.43
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	5530.55
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	442.46	Grand Total	=	(III)+(IV)= `	61432.98
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	154.42	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	596.88	Therefore, Unit cost	=		
				61432.98 ÷ 10.00	=Rs.		6143.30
			Say Rs. 6,143.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing dial pressure guages to measure 0 to 14 Kgs./Sq.Cm. etc.
(a) 100mm (4") dia.

Corresponding Item No. 22a of Section -XVII of MbPT SOR 2014
New Item No. 22a of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Dial pressure guage to measure 0-14Kgs. per Sq.Cm.-100mm dia.	1.00	No.	240.68	240.68	1.	Fixing charges		Lumpsum		80.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					260.68	TOTAL (L) =Rs.					80.00	

Total of (M) + (L) =	(I)	= `	340.68	Total = (I) + (II) =	(III)	= `	355.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	34.07
Add: Allowance for PF @13.61% of (L)		= `	10.89	Grand Total	=	(III)+(IV)= `	389.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	3.80	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	14.69	Therefore, Unit cost	389.43	÷	1.00 =Rs. 389.43
			Say Rs. 389.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing dial pressure guages to measure 0 to 14 Kgs./Sq.Cm. etc.
(b) 150mm (6") dia.

Corresponding Item No. 22b of Section -XVII of MbPT SOR 2014
New Item No. 22b of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Dial pressure guage to measure 0-14Kgs. per Sq.Cm.-150mm dia.	1.00	No.	405.09	405.09	1.	Fixing charges		Lumpsum		80.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					425.09	TOTAL (L) =Rs.					80.00	

Total of (M) + (L) =	(I)	= `	505.09	Total = (I) + (II) =	(III)	= `	519.77
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	50.51
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	10.89	Grand Total	=	(III)+(IV)= `	570.28
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3.80	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	14.69	Therefore, Unit cost	570.28	÷	1.00 =Rs. 570.28
			Say Rs. 570.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing dial pressure guages to measure 0 to 14 Kgs./Sq.Cm. etc.
(c) 250mm (10") dia.

Corresponding Item No. 22c of Section -XVII of MbPT SOR 2014
New Item No. 22c of Section -XVII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Dial pressure guage to measure 0-14Kgs. per Sq.Cm.-250mm dia.	1.00	No.	1154.24	1154.24	1.	Fixing charges		Lumpsum		110.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1174.24	TOTAL (L) =Rs.					110.00	

Total of (M) + (L) =	(I)	= `	1284.24	Total = (I) + (II) =	(III)	= `	1304.44
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	128.42
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	14.97	Grand Total	=	(III)+(IV)= `	1432.86
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.23	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	20.20	Therefore, Unit cost	1432.86	÷	1.00 =Rs. 1432.86
			Say Rs. 1,433.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing light pattern CI road box brick masonry chamber etc.

Corresponding Item No. 23 of Section -XVII of MbPT SOR 2014
 New Item No. 23 of Section -XVII
 NBO Ref. No.23.62a Page:380&381 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Concrete (1:3:6) (Item 2b, Section-IV)	0.03	Cu.M.	5778.00	173.34	1.	Labour charges are inclusive in the rates adopted					
2.	Brick work in CM (1:5) (Item 2bi, Section-VI)	0.08	Cu.M.	5903.00	472.24		TOTAL COST =				3253.04	
3.	Cement plaster (1:3)-10mm (Item 1a, Section-IX)	0.60	Sq.M.	304.00	182.40		Material cost @65% = (M) =				2114.48	
4.	CI road box	1.00	No.	2291.93	2291.93		Labour cost @35% = (L) =				1138.56	
5.	Concrete in slab (Item 1aii, Section-IV)	0.02	Cu.M.	6285.00	113.13							
6.	Sundries		Lumpsum		20.00							
TOTAL =Rs.					3253.04							

Total of (M) + (L) =	(I)	= `	3253.04	Total = (I) + (II) =	(III)	= `	3462.08
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (III) Only for Sr.No.4 of Material	(IV)	= `	229.19
Add: Allowance for PF @13.61% of (L)		= `	154.96	Grand Total =	(III)+(IV) =Rs.		3691.27
Add: Allowance for Employee' insurance @4.75% of (L)		= `	54.08	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	209.04	Therefore, Unit cost			
				3691.27 ÷ 1.00	=Rs.		3691.27
			Say Rs.	3,691.00	per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing spouts 25mm nominal bore, 450mm long GI pipe etc.

Corresponding Item No. 24 of Section -XVII of MbPT SOR 2014
 New Item No. 24 of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI pipe-450mm long-25mm	0.45	Mtr.	115.25	51.86	1.	Fixing charges		Lumpsum		18.00	
2.	GI Elbow-25mm dia.	1.00	No.	25.00	25.00							
3.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					84.86						18.00	

Total of (M) + (L) =	(I)	= `	102.86	Total = (I) + (II) =	(III)	= `	106.17
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	10.29
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	2.45	Grand Total	=	(III)+(IV)= `	116.46
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	0.86	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	3.30	Therefore, Unit cost	=		
				116.46	÷	1.00	=Rs. 116.46
			Say Rs. 116.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI screwed flanges etc.
(a) 25mm (1") nominal dia.

Corresponding Item No. 25a of Section -XVII of MbPT SOR 2014
 New Item No. 25a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI screwed flange-25mm dia	1.00	No.	80.51	80.51	1.	Fitter I	0.060	No.	540.38	32.42	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.125	No.	478.85	59.86	
TOTAL (M) =Rs.					88.51	TOTAL (L) =Rs.					92.28	

Total of (M) + (L) =	(I)	= `	180.79	Total = (I) + (II) =	(III)	= `	197.73
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	18.08
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	12.56	Grand Total	=	(III)+(IV)= `	215.81
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	4.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.94	Therefore, Unit cost		=	
				215.81	÷	1.00	=Rs. 215.81
			Say Rs. 216.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI screwed flanges etc.
(b) 32mm (1 1/4") nominal dia.

Corresponding Item No. 25b of Section -XVII of MbPT SOR 2014
 New Item No. 25b of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI screwed flange-32mm dia	1.00	No.	89.83	89.83	1.	Fitter I	0.060	No.	540.38	32.42	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.125	No.	478.85	59.86	
TOTAL (M) =Rs.					97.83	TOTAL (L) =Rs.					92.28	

Total of (M) + (L) =	(I)	= `	190.11	Total = (I) + (II) =	(III)	= `	207.05
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	19.01
Add: Allowance for PF @13.61% of (L)		= `	12.56	Grand Total	=	(III)+(IV)= `	226.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.94	Therefore, Unit cost	226.06	÷	1.00 =Rs. 226.06
			Say Rs. 226.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI screwed flanges etc.
(c) 40mm (1 1/2") nominal dia.

Corresponding Item No. 25c of Section -XVII of MbPT SOR 2014
 New Item No. 25c of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI screwed flange-40mm dia	1.00	No.	112.71	112.71	1.	Fitter I	0.080	No.	540.38	43.23	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.165	No.	478.85	79.01	
TOTAL (M) =Rs.					120.71	TOTAL (L) =Rs.					122.24	

Total of (M) + (L) =	(I)	= `	242.95	Total = (I) + (II) =	(III)	= `	265.40
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	24.30
Add: Allowance for PF @13.61% of (L)		= `	16.64	Grand Total	=	(III)+(IV)= `	289.69
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.81	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.44	Therefore, Unit cost		=	
				289.69	÷	1.00	=Rs. 289.69
			Say Rs. 290.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI screwed flanges etc.
(d) 50mm (2") nominal dia.

Corresponding Item No. 25d of Section -XVII of MbPT SOR 2014
 New Item No. 25d of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI screwed flange-50mm dia	1.00	No.	144.07	144.07	1.	Fitter I	0.080	No.	540.38	43.23	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.165	No.	478.85	79.01	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					152.07						122.24	

Total of (M) + (L) =	(I)	= `	274.31	Total = (I) + (II) =	(III)	= `	296.75
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	27.43
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	16.64	Grand Total	=	(III)+(IV)= `	324.18
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	5.81	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	22.44	Therefore, Unit cost	=		
				324.18 ÷ 1.00	=Rs.		324.18
			Say Rs.	324.00	per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI screwed flanges etc.
(e) 65mm (2 1/2") nominal dia.

Corresponding Item No. 25e of Section -XVII of MbPT SOR 2014
 New Item No. 25e of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI screwed flange-65mm dia	1.00	No.	161.86	161.86	1.	Fitter I	0.125	No.	540.38	67.55	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.330	No.	478.85	158.02	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					169.86						225.57	

Total of (M) + (L) =	(I)	= `	395.43	Total = (I) + (II) =	(III)	= `	436.85
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	39.54
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	30.70	Grand Total	=	(III)+(IV)= `	476.39
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	10.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	41.41	Therefore, Unit cost		=	
				476.39	÷	1.00	=Rs. 476.39
			Say Rs. 476.00		per	each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI screwed flanges etc.
(f) 80mm (3") nominal dia.

Corresponding Item No. 25f of Section -XVII of MbPT SOR 2014
 New Item No. 25f of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI screwed flange-80mm dia	1.00	No.	197.46	197.46	1.	Fitter I	0.125	No.	540.38	67.55	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.330	No.	478.85	158.02	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					205.46						225.57	

Total of (M) + (L) =	(I)	= `	431.03	Total = (I) + (II) =	(III)	= `	472.44
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	43.10
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	30.70	Grand Total	=	(III)+(IV)= `	515.54
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	10.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	41.41	Therefore, Unit cost	=		
				515.54	÷	1.00	=Rs. 515.54
			Say Rs. 516.00		per each		

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI screwed flanges etc.
(g) 100mm (4") nominal dia.

Corresponding Item No. 25g of Section -XVII of MbPT SOR 2014
 New Item No. 25g of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI screwed flange-100mm d	1.00	No.	260.17	260.17	1.	Fitter I	0.125	No.	540.38	67.55	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.330	No.	478.85	158.02	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					268.17						225.57	

Total of (M) + (L) =	(I)	= `	493.74	Total = (I) + (II) =	(III)	= `	535.15
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	49.37
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	30.70	Grand Total	=	(III)+(IV)= `	584.53
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	10.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	41.41	Therefore, Unit cost	=		
				584.53	÷	1.00	=Rs. 584.53
			Say Rs. 585.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI vent or over-flow pipe brass mosquito proof coupling etc.
(a) 15mm (1/2") nominal dia.

Corresponding Item No. 26a of Section -XVII of MbPT SOR 2014
New Item No. 26a of Section -XVII
NBO Ref. No.23.118&23.1(a) Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI vent pipe/ over-flow pipe-15mm dia.-1.05 Mtr. long	1.05	No.	30.51	32.03	1.	Fixing charges for coupling		Lumpsum		25.00	
2.	GI pipe bend-15mm dia.	1.00	No.	16.10	16.10		<u>For pipe fixing:</u>					
3.	Brass mosquito-proof coupling-15mm dia.	1.00	No.	75.42	75.42	2.	Plumber II	0.067	No.	525.00	35.18	
4.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	0.067	No.	478.85	32.08	
TOTAL (M) =Rs.					131.56	TOTAL (L) =Rs.					92.26	

Total of (M) + (L) =	(I)	= `	223.82	Total = (I) + (II) =	(III)	= `	240.76
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	22.38
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	12.56	Grand Total	=	(III)+(IV)= `	263.14
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	4.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.94	Therefore, Unit cost	263.14	÷	1.00 =Rs. 263.14
			Say Rs. 263.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI vent or over-flow pipe brass mosquito proof coupling etc.
(b) 20mm (3/4") nominal dia.

Corresponding Item No. 26b of Section -XVII of MbPT SOR 2014
New Item No. 26b of Section -XVII
NBO Ref. No.23.118&23.1(b) Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI vent pipe/ over-flow pipe-20mm dia.-1.05 Mtr. long	1.05	No.	41.53	43.60	1.	Fixing charges for coupling		Lumpsum		25.00	
2.	GI pipe bend-20mm dia.	1.00	No.	19.49	19.49		<u>For pipe fixing:</u>					
3.	Brass mosquito-proof coupling-20mm dia.	1.00	No.	166.10	166.10	2.	Plumber II	0.075	No.	525.00	39.38	
4.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	0.067	No.	478.85	32.08	
TOTAL (M) =Rs.					237.20	TOTAL (L) =Rs.					96.46	

Total of (M) + (L) =	(I)	= `	333.65	Total = (I) + (II) =	(III)	= `	351.36
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	33.37
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	13.13	Grand Total	=	(III)+(IV)= `	384.73
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	4.58	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	17.71	Therefore, Unit cost	384.73	÷	1.00 =Rs. 384.73
			Say Rs. 385.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI vent or over-flow pipe brass mosquito proof coupling etc.
(c) 25mm (1") nominal dia.

Corresponding Item No. 26c of Section -XVII of MbPT SOR 2014
New Item No. 26c of Section -XVII
NBO Ref. No.23.118&23.1(c) Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI vent pipe/ over-flow pipe-25mm dia.-1.05 Mtr. long	1.05	No.	61.86	64.96	1.	Fixing charges for coupling		Lumpsum		25.00	
2.	GI pipe bend-25mm dia.	1.00	No.	29.66	29.66		<u>For pipe fixing:</u>					
3.	Brass mosquito-proof coupling-25mm dia.	1.00	No.	250.00	250.00	2.	Plumber II	0.083	No.	525.00	43.58	
4.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	0.067	No.	478.85	32.08	
TOTAL (M) =Rs.					352.62	TOTAL (L) =Rs.					100.66	

Total of (M) + (L) =	(I)	= `	453.28	Total = (I) + (II) =	(III)	= `	471.76
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	45.33
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	13.70	Grand Total	=	(III)+(IV)= `	517.09
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	4.78	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	18.48	Therefore, Unit cost	517.09	÷	1.00 =Rs. 517.09
			Say Rs. 517.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI vent or over-flow pipe brass mosquito proof coupling etc.
(d) 32mm (1 1/4") nominal dia.

Corresponding Item No. 26d of Section -XVII of MbPT SOR 2014
New Item No. 26d of Section -XVII
NBO Ref. No.23.118&23.1(d) Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI vent pipe/ over-flow pipe-32mm dia.-1.05 Mtr. long	1.05	No.	102.54	107.67	1.	Fixing charges for coupling		Lumpsum		25.00	
2.	GI pipe bend-32mm dia.	1.00	No.	54.24	54.24		<u>For pipe fixing:</u>					
3.	Brass mosquito-proof coupling-32mm dia.	1.00	No.	337.29	337.29	2.	Plumber II	0.083	No.	525.00	43.58	
4.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	0.100	No.	478.85	47.89	
TOTAL (M) =Rs.					507.20	TOTAL (L) =Rs.					116.46	

Total of (M) + (L) =	(I)	= `	623.66	Total = (I) + (II) =	(III)	= `	645.04
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	62.37
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	15.85	Grand Total	=	(III)+(IV)= `	707.40
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.53	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	21.38	Therefore, Unit cost	707.40	÷	1.00 =Rs. 707.40
			Say Rs. 707.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI vent or over-flow pipe brass mosquito proof coupling etc.
(e) 40mm (1 1/2") nominal dia.

Corresponding Item No. 26e of Section -XVII of MbPT SOR 2014
New Item No. 26e of Section -XVII
NBO Ref. No.23.118&23.1(e) Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI vent pipe/ over-flow pipe-40mm dia.-1.05 Mtr. long	1.05	No.	122.88	129.03	1.	Fixing charges for coupling		Lumpsum		25.00	
2.	GI pipe bend-40mm dia.	1.00	No.	64.41	64.41		<u>For pipe fixing:</u>					
3.	Brass mosquito-proof coupling-40mm dia.	1.00	No.	422.88	422.88	2.	Plumber II	0.100	No.	525.00	52.50	
4.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	0.133	No.	478.85	63.69	
TOTAL (M) =Rs.					624.32	TOTAL (L) =Rs.					141.19	

Total of (M) + (L) =	(I)	= `	765.50	Total = (I) + (II) =	(III)	= `	791.42
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	76.55
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	19.22	Grand Total	=	(III)+(IV)= `	867.97
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	6.71	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	25.92	Therefore, Unit cost	867.97	÷	1.00 =Rs. 867.97
			Say Rs. 868.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI vent or over-flow pipe brass mosquito proof coupling etc.
(f) 50mm (2") nominal dia.

Corresponding Item No. 26f of Section -XVII of MbPT SOR 2014
New Item No. 26f of Section -XVII
NBO Ref. No.23.118&23.1(f) Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI vent pipe/ over-flow pipe-50mm dia.-1.05 Mtr. long	1.05	No.	222.03	233.14	1.	Fixing charges for coupling		Lumpsum		35.00	
2.	GI pipe bend-50mm dia.	1.00	No.	107.63	107.63		<u>For pipe fixing:</u>					
3.	Brass mosquito-proof coupling-50mm dia.	1.00	No.	505.09	505.09	2.	Plumber II	0.117	No.	525.00	61.43	
4.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	0.167	No.	478.85	79.97	
TOTAL (M) =Rs.					853.85	TOTAL (L) =Rs.					176.39	

Total of (M) + (L) =	(I)	= `	1030.24	Total = (I) + (II) =	(III)	= `	1062.63
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	103.02
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	24.01	Grand Total	=	(III)+(IV)= `	1165.65
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	8.38	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	32.39	Therefore, Unit cost	=		
				1165.65	÷	1.00	=Rs. 1165.65
			Say Rs. 1,166.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing GI vent or over-flow pipe brass mosquito proof coupling etc.
(g) 65mm (2 1/2") nominal dia.

Corresponding Item No. 26g of Section -XVII of MbPT SOR 2014
New Item No. 26g of Section -XVII
NBO Ref. No.23.118&23.1(g) Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	GI vent pipe/ over-flow pipe-65mm dia.-1.05 Mtr. long	1.05	No.	389.83	409.32	1.	Fixing charges for coupling		Lumpsum		50.00	
2.	GI pipe bend-65mm dia.	1.00	No.	197.46	197.46		<u>For pipe fixing:</u>					
3.	Brass mosquito-proof coupling-65mm dia.	1.00	No.	841.53	841.53	2.	Plumber II	0.143	No.	525.00	75.08	
4.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	0.218	No.	478.85	104.39	
TOTAL (M) =Rs.					1456.31	TOTAL (L) =Rs.					229.46	

Total of (M) + (L) =	(I)	= `	1685.77	Total = (I) + (II) =	(III)	= `	1727.90
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	168.58
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	31.23	Grand Total	=	(III)+(IV)= `	1896.48
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	10.90	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	42.13	Therefore, Unit cost	=		
				1896.48	÷	1.00	=Rs. 1896.48
			Say Rs. 1,896.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI over-flow pipes with mosquito proof netting & m.s. flanges etc.
(a) 80mm (3") nominal dia.

Corresponding Item No. 27a of Section -XVII of MbPT SOR 2014
New Item No. 27a of Section -XVII
NBO Ref. No.23.118 Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI over-flow pipe 80mm dia.-1.0 Mtr. long	1.00	No.	2398.31	2398.31	1.	Fixing charges		Lumpsum		90.00	
2.	m.s. flanges-80mm dia.	1.00	No.	364.41	364.41	2.	Painting CI pipe incl. Labour		Lumpsum		24.00	
3.	Mosquito net		Lumpsum		30.00							
4.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					2800.72						114.00	

Total of (M) + (L) =	(I)	= `	2914.72	Total = (I) + (II) =	(III)	= `	2935.65
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	291.47
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	15.52	Grand Total	=	(III)+(IV)= `	3227.12
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.42	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	20.93	Therefore, Unit cost	3227.12	÷	1.00 =Rs. 3227.12
			Say Rs. 3,227.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI over-flow pipes with mosquito proof netting & m.s. flanges etc.
(b) 100mm (4") nominal dia.

Corresponding Item No. 27b of Section -XVII of MbPT SOR 2014
New Item No. 27b of Section -XVII
NBO Ref. No.23.118 Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI over-flow pipe 100mm dia.-1.0 Mtr. long	1.00	No.	2610.18	2610.18	1.	Fixing charges		Lumpsum		90.00	
2.	m.s. flanges-100mm dia.	1.00	No.	440.68	440.68	2.	Painting CI pipe incl. Labour		Lumpsum		24.00	
3.	Mosquito net		Lumpsum		30.00							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					3088.86	TOTAL (L) =Rs.					114.00	

Total of (M) + (L) =	(I)	= `	3202.86	Total = (I) + (II) =	(III)	= `	3223.79
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	320.29
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	15.52	Grand Total	=	(III)+(IV)= `	3544.07
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.42	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	20.93	Therefore, Unit cost	3544.07	÷	1.00 =Rs. 3544.07
			Say Rs. 3,544.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing & fixing CI over-flow pipes with mosquito proof netting & m.s. flanges etc.
(c) 150mm (6") nominal dia.

Corresponding Item No. 27c of Section -XVII of MbPT SOR 2014
New Item No. 27c of Section -XVII
NBO Ref. No.23.118 Page:462 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI over-flow pipe 150mm dia.-1.0 Mtr. long	1.00	No.	3093.23	3093.23	1.	Fixing charges		Lumpsum		115.00	
2.	m.s. flanges-150mm dia.	1.00	No.	652.54	652.54	2.	Painting CI pipe incl. Labour		Lumpsum		35.00	
3.	Mosquito net		Lumpsum		40.00							
4.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					3793.77						150.00	

Total of (M) + (L) =	(I)	= `	3943.77	Total = (I) + (II) =	(III)	= `	3971.31
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	394.38
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	20.42	Grand Total	=	(III)+(IV)= `	4365.69
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	7.13	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	27.54	Therefore, Unit cost	4365.69	÷	1.00 =Rs. 4365.69
			Say Rs. 4,366.00	per each			

Rate Analysis for 100.0 Mtrs. of Item:
Fixing 80mm dia. GI pipe available with (supplied by) MbPT etc.

Corresponding Item No. 28 of Section -XVII of MbPT SOR 2014
 New Item No. 28 of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Transportation of pipe (Market Enquiry)		Lumpsum		400.00	1.	Plumber II (Item 1h above)	16.800	No.	525.00	8820.00	
2.	Pipe fittings etc. (Cost of fittings for Item 1h above)		Lumpsum		3826.28	2.	Mazdoor-Male (Item 1h above)	26.900	No.	478.85	12881.07	
3.	Sundries		Lumpsum		80.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					4306.28						21701.07	

Total of (M) + (L) =	(I)	= `	26007.35	Total = (I) + (II) =	(III)	= `	29991.66
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	2600.73
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	2953.51	Grand Total	=	(III)+(IV)= `	32592.40
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1030.80	This is cost for	100.00	Mtrs.	
Total of allowances =	(II)	= `	3984.32	Therefore, Unit cost	32592.40	÷	100.00 =Rs. 325.92
			Say Rs. 326.00			per Mtr.	

Rate Analysis for 100.0 Mtrs. of Item:
Providing & fixing UPVC/ ASTM pipes etc.
(a) 80mm (3") dia.

Corresponding Item No. 29a of Section -XVII of MbPT SOR 2014
 New Item No. 29a of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	UPVC/ ASTM pipe-80mm dia	100.0	Mtrs.	627.12	62712.04	1.	Plumber II	1.000	No.	525.00	525.00	
2.	Pipe fittings etc. (10% cost of pipe)		Lumpsum		6271.20	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Transportation of pipe (0.5% cost of pipe)		Lumpsum		313.56							
4.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					69376.80	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	70380.65	Total = (I) + (II) =	(III)	= `	70564.96
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7038.07
Add: Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	77603.03
Add: Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	100.00	Mtrs.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	77603.03	÷	100.00 =Rs. 776.03
			Say Rs. 776.00		per Mtr.		

Rate Analysis for 100.0 Mtrs. of Item:
Providing & fixing UPVC/ ASTM pipes etc.
(b) 65mm (2 1/2") dia.

Corresponding Item No. 29b of Section -XVII of MbPT SOR 2014
 New Item No. 29b of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	UPVC/ ASTM pipe-65mm dia	100.0	Mtrs.	527.12	52712.01	1.	Plumber II	1.000	No.	525.00	525.00	
2.	Pipe fittings etc. (10% cost of pipe)		Lumpsum		5271.20	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Transportation of pipe (0.5% cost of pipe)		Lumpsum		263.56							
4.	Sundries		Lumpsum		80.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					58326.77						1003.85	

Total of (M) + (L) =	(I)	= `	59330.62	Total = (I) + (II) =	(III)	= `	59514.93
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5933.06
Add: Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	65447.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	100.00	Mtrs.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	65447.99	÷	100.00 =Rs. 654.48
			Say Rs. 654.00		per	Mtr.	

Rate Analysis for 100.0 Mtrs. of Item:
Providing & fixing UPVC/ ASTM pipes etc.
(c) 40mm (1 1/2") dia.

Corresponding Item No. 29c of Section -XVII of MbPT SOR 2014
 New Item No. 29c of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	UPVC/ ASTM pipe-40mm dia	100.0	Mtrs.	213.56	21355.99	1.	Plumber II	0.750	No.	525.00	393.75	
2.	Pipe fittings etc. (10% cost of pipe)		Lumpsum		2135.60	2.	Mazdoor-Male	0.750	No.	478.85	359.14	
3.	Transportation of pipe (0.5% cost of pipe)		Lumpsum		106.78							
4.	Sundries		Lumpsum		80.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					23678.37						752.89	

Total of (M) + (L) =	(I)	= `	24431.26	Total = (I) + (II) =	(III)	= `	24569.49
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2443.13
Add: Allowance for PF @13.61% of (L)		= `	102.47	Grand Total	=	(III)+(IV)= `	27012.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	35.76	This is cost for	100.00	Mtrs.	
Total of allowances =	(II)	= `	138.23	Therefore, Unit cost	27012.61	÷	100.00 =Rs. 270.13
			Say Rs. 270.00			per Mtr.	

Rate Analysis for 100.0 Mtrs. of Item:
Providing & fixing UPVC/ ASTM pipes etc.
(d) 32mm (1.25") dia.

Corresponding Item No. --- of Section -XVII of MbPT SOR 2014
 New Item No. 29d of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	UPVC/ ASTM pipe-32mm dia	100.0	Mtrs.	195.76	19576.33	1.	Plumber II	0.750	No.	525.00	393.75	
2.	Pipe fittings etc. (10% cost of pipe)		Lumpsum		1957.63	2.	Mazdoor-Male	0.750	No.	478.85	359.14	
3.	Transportation of pipe (0.5% cost of pipe)		Lumpsum		97.88							
4.	Sundries		Lumpsum		80.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					21711.84						752.89	

Total of (M) + (L) =	(I)	= `	22464.73	Total = (I) + (II) =	(III)	= `	22602.96
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2246.47
Add: Allowance for PF @13.61% of (L)		= `	102.47	Grand Total	=	(III)+(IV)= `	24849.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	35.76	This is cost for	100.00	Mtrs.	
Total of allowances =	(II)	= `	138.23	Therefore, Unit cost	24849.43	÷	100.00 =Rs. 248.49
			Say Rs. 248.00		per	Mtr.	

Rate Analysis for 100.0 Mtrs. of Item:
Providing & fixing UPVC/ ASTM pipes etc.
(e) 25 mm (1") dia.

Corresponding Item No. --- of Section -XVII of MbPT SOR 2014
 New Item No. 29e of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	UPVC/ ASTM pipe-25mm dia	100.0	Mtrs.	154.24	15423.77	1.	Plumber II	0.750	No.	525.00	393.75	
2.	Pipe fittings etc. (10% cost of pipe)		Lumpsum		1542.38	2.	Mazdoor-Male	0.750	No.	478.85	359.14	
3.	Transportation of pipe (0.5% cost of pipe)		Lumpsum		77.12							
4.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					17123.27	TOTAL (L) =Rs.					752.89	

Total of (M) + (L) =	(I)	= `	17876.16	Total = (I) + (II) =	(III)	= `	18014.39
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1787.62
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	102.47	Grand Total	=	(III)+(IV)= `	19802.00
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	35.76	This is cost for	100.00	Mtrs.	
Total of allowances =	(II)	= `	138.23	Therefore, Unit cost	19802.00	÷	100.00 =Rs. 198.02
			Say Rs. 198.00		per	Mtr.	

Rate Analysis for 100.0 Mtrs. of Item:
Providing & fixing UPVC/ ASTM pipes etc.
(f) 20 mm (0.75") dia.

Corresponding Item No. --- of Section -XVII of MbPT SOR 2014
 New Item No. 29f of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	UPVC/ ASTM pipe-20mm dia	100.0	Mtrs.	127.12	12711.90	1.	Plumber II	0.600	No.	525.00	315.00	
2.	Pipe fittings etc. (10% cost of pipe)		Lumpsum		1271.19	2.	Mazdoor-Male	0.600	No.	478.85	287.31	
3.	Transportation of pipe (0.5% cost of pipe)		Lumpsum		63.56							
4.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					14126.65	TOTAL (L) =Rs.					602.31	

Total of (M) + (L) =	(I)	= `	14728.96	Total = (I) + (II) =	(III)	= `	14839.54
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1472.90
Add: Allowance for PF @13.61% of (L)		= `	81.97	Grand Total	=	(III)+(IV)= `	16312.44
Add: Allowance for Employee' insurance @4.75% of (L)		= `	28.61	This is cost for	100.00	Mtrs.	
Total of allowances =	(II)	= `	110.58	Therefore, Unit cost	16312.44	÷	100.00 =Rs. 163.12
			Say Rs. 163.00		per	Mtr.	

Rate Analysis for 16.0 Nos. of Item:
Providing & fixing 15mm dia. brass chromium plated pillar taps etc.

Corresponding Item No. 30 of Section -XVII of MbPT SOR 2014
 New Item No. 30 of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass chromium plated pillar tap-15mm dia.	16.0	Nos.	346.61	5545.78	1.	Plumber II	3.000	No.	525.00	1575.00	
2.	Sundries		Lumpsum		80.00	2.	Mazdoor-Male	3.000	No.	478.85	1436.55	
TOTAL (M) =Rs.					5625.78	TOTAL (L) =Rs.					3011.55	

Total of (M) + (L) =	(I)	= `	8637.33	Total = (I) + (II) =	(III)	= `	9190.25
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	863.73
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	409.87	Grand Total	=	(III)+(IV)= `	10053.98
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	143.05	This is cost for	16.00	Nos.	
Total of allowances =	(II)	= `	552.92	Therefore, Unit cost	=		
				10053.98	÷	16.00	=Rs. 628.37
			Say Rs. 628.00	per each			

Rate Analysis for 1.0 No. of Item:
Providing & fixing 15mm dia. brass chromium plated bib taps (380 to 420 gms.) etc.

Corresponding Item No. 31 of Section -XVII of MbPT SOR 2014
 New Item No. 31 of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Brass chromium plated bib tap-15mm dia.	1.0	No.	273.73	273.73	1.	Fixing charges		Lumpsum		18.00	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					278.73	TOTAL (L) =Rs.					18.00	

Total of (M) + (L) =	(I)	= `	296.73	Total = (I) + (II) =	(III)	= `	300.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	29.67
Add: Allowance for PF @13.61% of (L)		= `	2.45	Grand Total	=	(III)+(IV)= `	329.71
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.86	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	3.30	Therefore, Unit cost		=	
				329.71	÷	1.00	=Rs. 329.71
			Say Rs. 330.00	per each			

Rate Analysis for 1.0 No. of Item:
Providing & fixing chromium plated waste coupling and PVC flexible pipe etc.

Corresponding Item No. 32 of Section -XVII of MbPT SOR 2014
 New Item No. 32 of Section -XVII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Chromium plated waste coupling with PVC pipe	1.0	No.	177.97	177.97	1.	Plumber I	0.125	No.	540.38	67.55	
2.	PVC flexible pipe	1.00	Mtr.	55.08	55.08							
3.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					253.05						67.55	

Total of (M) + (L) =	(I)	= `	320.60	Total = (I) + (II) =	(III)	= `	333.00
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	32.06
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	9.19	Grand Total	=	(III)+(IV)= `	365.06
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3.21	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	12.40	Therefore, Unit cost		=	
				365.06	÷	1.00	=Rs. 365.06
			Say Rs. 365.00	per each			

XVIII - CI Water Mains & Fittings

Sr. No.	Item Description	Rate in `	Unit
1	Providing, lowering in trenches and assembling in line and level CI fresh water pipes Class LA as per IS with spigot and socket ends etc. complete as directed (Overlaps will not be paid).		
	(a) 80 mm nominal dia.	979.00	Mtr.
	(b) 100 mm nominal dia.	1,162.00	Mtr.
	(c) 125 mm nominal dia.	1,728.00	Mtr.
	(d) 150 mm nominal dia.	1,876.00	Mtr.
	(e) 200 mm nominal dia.	2,629.00	Mtr.
	(f) 250 mm nominal dia.	3,702.00	Mtr.
	(g) 300 mm nominal dia.	4,632.00	Mtr.
	(h) 350 mm nominal dia.	6,455.00	Mtr.
	(i) 400 mm nominal dia.	7,886.00	Mtr.
	(j) 450 mm nominal dia.	9,374.00	Mtr.
2	Providing, lowering in trenches and assembling in line and level CI fresh water pipes Class 'B' as per IS with flanged ends etc. complete as directed.		
	(a) 80 mm nominal dia.	4,702.00	Mtr.
	(b) 100 mm nominal dia.	5,990.00	Mtr.
	(c) 150 mm nominal dia.	9,702.00	Mtr.
	(d) 200 mm nominal dia.	14,355.00	Mtr.
	(e) 250 mm nominal dia.	19,534.00	Mtr.
	(f) 300 mm nominal dia.	25,707.00	Mtr.
3	Providing, lowering in trenches & assembling in line and level CI specials for fresh water pipeline etc. complete as directed.	6,760.00	qntl.
4	Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking etc. complete including testing of joints but excluding cost of pipe etc. complete as directed.		
	(a) 80 mm nominal dia.	642.00	Joint
	(b) 100 mm nominal dia.	735.00	Joint
	(c) 125 mm nominal dia.	953.00	Joint
	(d) 150 mm nominal dia.	1,115.00	Joint
	(e) 200 mm nominal dia.	1,572.00	Joint
	(f) 250 mm nominal dia.	1,930.00	Joint
	(g) 300 mm nominal dia.	2,295.00	Joint
	(h) 350 mm nominal dia.	2,555.00	Joint
	(i) 400 mm nominal dia.	3,057.00	Joint
	(j) 450 mm nominal dia.	4,086.00	Joint

XVIII - CI Water Mains & Fittings

Sr. No.	Item Description	Rate in `	Unit
5	Jointing of flanged CI pipes, flanged specials etc. with m.s. nut bolts, rubber insertion, packing etc. and testing joints but excluding cost of pipe etc. complete as directed.		
	(a) 80 mm nominal dia.	299.00	Joint
	(b) 100 mm nominal dia.	467.00	Joint
	(c) 150 mm nominal dia.	704.00	Joint
	(d) 200 mm nominal dia.	808.00	Joint
	(e) 250 mm nominal dia.	1,229.00	Joint
	(f) 300 mm nominal dia.	1,230.00	Joint
	(g) 350 mm nominal dia.	1,711.00	Joint
	(h) 400 mm nominal dia.	1,890.00	Joint
	(i) 450 mm nominal dia.	2,326.00	Joint
6	Providing, lowering in trenches and assembling CI sluice valve heavy quality with cap and flanged ends and bearing ISI mark or MCGM tested etc. complete as directed.		
	(a) 80 mm nominal dia.	4,182.00	Each
	(b) 100 mm nominal dia.	5,649.00	Each
	(c) 125 mm nominal dia.	8,326.00	Each
	(d) 150 mm nominal dia.	8,797.00	Each
	(e) 200 mm nominal dia.	14,821.00	Each
	(f) 250 mm nominal dia.	20,821.00	Each
	(g) 300 mm nominal dia.	26,587.00	Each
7	Providing, lowering in trenches and assembling CI sluice valve heavy quality with flanged ends, gear wheel arrangements and bearing ISI mark or MCGM tested etc complete as directed.		
	(a) 300 mm nominal dia.	40,096.00	Each
	(b) 350 mm nominal dia.	56,610.00	Each
	(c) 400 mm nominal dia.	73,177.00	Each
	(d) 450 mm nominal dia.	91,716.00	Each
8	Providing, lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc. complete as directed.		
	(a) 80 mm nominal dia.	4,089.00	Each
	(b) 100 mm nominal dia.	5,765.00	Each
	(c) 150 mm nominal dia.	8,935.00	Each
	(d) 200 mm nominal dia.	14,923.00	Each
	(e) 250 mm nominal dia.	23,363.00	Each

XVIII - CI Water Mains & Fittings

Sr. No.	Item Description	Rate in `	Unit
	(f) 300 mm nominal dia.	29,205.00	Each
	(g) 350 mm nominal dia.	50,942.00	Each
	(h) 450 mm nominal dia.	71,680.00	Each
9	Providing and fixing CI equilibrium ball valve with all accessories and bearing ISI mark or MCGM tested etc complete as directed.		
	(a) 80 mm nominal dia.	1,363.00	Each
	(b) 100 mm nominal dia.	1,574.00	Each
	(c) 150 mm nominal dia.	2,262.00	Each
	(d) 200 mm nominal dia.	4,127.00	Each
	(e) 250 mm nominal dia.	6,443.00	Each
	(f) 300 mm nominal dia.	9,615.00	Each
10	Providing and fixing stand post hydrant Municipal pattern 625 mm (2.50") dia. or nearest metric equivalent dia. complete as per IS:908/1975 with 80 mm nominal dia. sluice valve of approved make, MCGM tested CI duck foot bend 80 mm nominal dia. including CI road box for sluice valve of required size with CI frame and cover and CI flanged tail pieces, distance pieces of required length, jointing with m.s. nut bolts, rubber insertion pack etc. including providing chamber of suitable size with one brick thick masonry walls in CM (1:5) on CC bedding (1:3:6) 150 mm thick, plastering internally and externally in CM (1:3) and two coats of approved synthetic enamel paint over a coat of zinc chromate (yellow) primer to the stand post etc. complete as directed.	28,747.00	Each
11	Providing and fixing non-pressure type underground fire hydrant 625 mm (2.50") dia. or nearest metric equivalent dia. complete as per I.S.908/1975 -- do -- do -- as per Item No.10 above.	23,517.00	Each
12	Providing and fixing MCGM tested or ISI marked CI road box for stop cocks/ wheel valves comprising of CI box with hinged cover fixed on chamber of suitable size with one brick thick masonry in CM (1:5) and embedding the box in cement concrete (1:2:4) and including necessary excavation etc. complete as directed.	9,725.00	Each

XVIII - CI Water Mains & Fittings

Sr. No.	Item Description	Rate in `	Unit
13	Constructing brick masonry sluice valve chamber of 600X600 mm size and of required depth including 250 mm thick cement concrete (1:3:6) foundation, one brick thick side walls in CM (1:5), plastered internally and externally with CM (1:3), heavy duty CI frame and cover of approved make fixed in cement concrete (1:2:4) including excavation etc. complete as directed.	17,144.00	Each
14	Providing and fixing 300 mm dia. blank flanges including rubble packing, nuts and bolts etc. complete as directed.	3,265.00	Each
15	Providing and fixing 400 mm wide m.s. ladder from roof level to the top of the water storage tank, with 2 Nos. 50X6 mm m.s. flats for stringers and 20 mm dia. m.s. bars at 250 mm centres for rungs including embedding the lower end in 600X500X300 mm cement concrete block (1:2:4) finished with plaster and top end fixed to the top slab with suitable fixing arrangement including necessary stay to the wall and painting with two coats of approved synthetic enamel paint over a coat of zinc chromate (yellow) primer etc. complete as directed.	2,740.00	Mtr.
16	Providing and fixing domestic water meter of approved make with CI external strainer and non-return valve and MCGM tested etc. complete as directed.		
	(a) for 15 mm nominal dia. pipeline	1,878.00	Each
	(b) for 20 mm nominal dia. pipeline	2,868.00	Each
	(c) for 25 mm nominal dia. pipeline	4,315.00	Each
	(d) for 40 mm nominal dia. pipeline	9,782.00	Each
	(e) for 50 mm nominal dia. pipeline	12,819.00	Each
17	Extra over rate for Item No.16 above for providing brick masonry chamber of internal dimensions 900X450 mm and of required depth including 250 mm thick cement concrete (1:3:6) foundation, one-brick thick side walls in CM (1:5), plastered internally and externally with CM (1:3), etc. complete as directed excluding excavation.	4,129.00	Each

XVIII - CI Water Mains & Fittings

Sr. No.	Item Description	Rate in `	Unit
18	Providing and fixing approved full flow velocity water meter with CI external strainer and non-return valve with MCGM test certificate etc. complete as directed.		
	(a) for 80 mm nominal dia. pipeline	17,948.00	Each
	(b) for 100 mm nominal dia. pipeline	24,848.00	Each
	(c) for 150 mm nominal dia. pipeline	35,355.00	Each
	(d) for 200 mm nominal dia. pipeline	53,747.00	Each
	(e) for 250 mm nominal dia. pipeline	87,059.00	Each
	(f) for 300 mm nominal dia. pipeline	128,348.00	Each
19	Extra over rates for Items Nos.18(a), (b) and (c) above for providing brick masonry chamber of internal dimensions 900X900 mm and upto 1000 mm deep including 250 mm thick cement concrete (1:3:6) foundation, one-brick thick side walls in CM (1:5), plastered internally and externally in CM (1:3), etc. complete as directed excluding excavation.	9,187.00	Each
20	Extra over rates for Item Nos.18 (d), (e) and (f) above for providing brick masonry chamber of internal dimensions 1500X1250 mm and upto 1250 mm deep including 250 mm thick cement concrete (1:3:6) foundation, one brick side walls in CM (1:5), plastered internally & externally in CM (1:3), etc. complete as directed excluding excavation.	26,091.00	Each
21	Extra over rate for Item Nos.17, 19 & 20 above for providing & fixing m.s. angle frame & m.s. plate cover of required size with locking arrangements fixed in cement concrete (1:2:4) etc. complete as directed.	11,017.00	Each
22	Removing lead from defective/ leakage joint of CI pressure water mains and cleaning the spigot area of existing pipe to receive new lead in joint etc. complete as directed.	391.00	Each
23	Dismantling/ cutting/ removing existing CI water mains and removing lead from its joints using gas cutter, stove or by chiselling etc. depositing lead removed from joints to sectional office store and lifting the removed pipe from trench and stacking		

XVIII - CI Water Mains & Fittings

Sr. No.	Item Description	Rate in `	Unit
	the same at the store etc. complete as directed.		
	(a) 100 mm dia.	120.00	Mtr.
	(b) 150 mm dia.	147.00	Mtr.
	(c) 250 mm dia.	180.00	Mtr.
	(d) 300 mm dia.	242.00	Mtr.
24	Providing and lowering in trench and assembling in line and level Ductile iron fresh water pipe line K9 grade as per IS:8329 with spigot and socket ends for push up joints (overlaps will not be paid) etc. complete as directed.		
	(a) 100 mm dia.	1,222.00	Mtr.
	(b) 150 mm dia.	1,724.00	Mtr.
	(c) 200 mm dia.	2,256.00	Mtr.
	(d) 250 mm dia.	3,031.00	Mtr.
	(e) 300 mm dia.	3,837.00	Mtr.
25	Providing and fixing EPDM Push on joint rubber gasket for pipe manufactured as per ISO 4633 (IS:5382) for quality of material including cleaning of surface area from mud, sand, pebbles, frozen materials or foreign particles, application of recommended lubricant to gasket and surface of pipe in contact and fixing the pipe by using fork or rack and lever machine etc. complete as directed.		
	(a) 100 mm dia.	132.00	Each
	(b) 150 mm dia.	155.00	Each
	(c) 200 mm dia.	190.00	Each
	(d) 250 mm dia.	234.00	Each
	(e) 300 mm dia.	292.00	Each
26	Removing existing CI strainer from water mains and providing and fixing new strainer of approved make for fresh water pipeline etc. complete as directed.		
	(a) 80 mm dia.	3,051.00	Each
	(b) 100 mm dia.	4,333.00	Each
	(c) 150 mm dia.	7,156.00	Each
	(d) 200 mm dia.	12,397.00	Each
	(e) 250 mm dia.	20,617.00	Each
	(f) 300 mm dia.	25,960.00	Each
27	Removing 300 mm dia. flanged vertical CI water pipeline including steel scaffolding etc. complete as directed.	1,188.00	Mtr.

XVIII - CI Water Mains & Fittings

Sr. No.	Item Description	Rate in `	Unit
28	Re-fixing 300 mm dia. flanged vertical CI pipeline including scaffolding, nut bolts, rubber packing etc. complete as directed.	1,326.00	Mtr.
29	Providing and fixing 80 mm CI flange by welding to GI pipes including making holes, nut bolts etc. complete as directed.	949.00	Each
30	Removing CI sluice valve/ non-return valve from 300 mm dia. fresh water mains and re-fixing the same after cleaning etc. complete as directed.	6,254.00	Each
31	Cutting of existing 100 mm dia CI water pipeline using hacksaw etc. complete as directed.	806.00	Cut
32	Removing and re-fixing 300 mm dia. blank flange including new nut bolts and new rubber packing etc. complete as directed.	1,016.00	Each

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(a) 80mm dia.

Corresponding Item No. 1a of Section -XVIII of MbPT SOR 2014
New Item No. 1a of Section -XVIII
NBO Ref. No.23.19(a) Page:306 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-80 mm dia. (Weight=1.61 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	853.39	8533.92		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		50.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	1.610	qntl.	=	256.22	
TOTAL (M) =Rs.					8603.92	TOTAL (L) =Rs.					256.22	

Total of (M) + (L) =	(I)	= `	8860.14	Total = (I) + (II) =	(III)	= `	8907.18
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	886.01
Add: Allowance for PF @13.61% of (L)		= `	34.87	Grand Total	=	(III)+(IV)= `	9793.19
Add: Allowance for Employee' insurance @4.75% of (L)		= `	12.17	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	47.04	Therefore, Unit cost	9793.19	÷	10.00 =Rs. 979.32
			Say Rs. 979.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(b) 100mm dia.

Corresponding Item No. 1b of Section -XVIII of MbPT SOR 2014
New Item No. 1b of Section -XVIII
NBO Ref. No.23.19(b) Page:306 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-100 mm dia. (Weight=2.05 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	1010.17	10101.72		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		60.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	2.050	qntl.	=	326.24	
TOTAL (M) =Rs.					10181.72	TOTAL (L) =Rs.					326.24	

Total of (M) + (L) =	(I)	= `	10507.96	Total = (I) + (II) =	(III)	= `	10567.86
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1050.80
Add: Allowance for PF @13.61% of (L)		= `	44.40	Grand Total	=	(III)+(IV)= `	11618.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	15.50	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	59.90	Therefore, Unit cost	=		
				11618.66 ÷	10.00	=Rs.	1161.87
			Say Rs.	1,162.00	per	Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(c) 125mm dia.

Corresponding Item No. 1c of Section -XVIII of MbPT SOR 2014
New Item No. 1c of Section -XVIII
NBO Ref. No.23.19(c) Page:307 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-125 mm dia. (Weight=2.68 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	1513.23	15132.31		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		60.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	2.680	qntl.	=	426.50	
TOTAL (M) =Rs.					15212.31	TOTAL (L) =Rs.					426.50	

Total of (M) + (L) =	(I)	= `	15638.81	Total = (I) + (II) =	(III)	= `	15717.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1563.88
Add: Allowance for PF @13.61% of (L)		= `	58.05	Grand Total	=	(III)+(IV)= `	17281.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.26	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	78.31	Therefore, Unit cost	17281.00	÷	10.00 =Rs. 1728.10
			Say Rs. 1,728.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(d) 150mm dia.

Corresponding Item No. 1d of Section -XVIII of MbPT SOR 2014
New Item No. 1d of Section -XVIII
NBO Ref. No.23.19(d) Page:306 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-150 mm dia. (Weight=3.33 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	1634.75	16347.50		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		70.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	3.330	qntl.	=	529.94	
TOTAL (M) =Rs.					16437.50	TOTAL (L) =Rs.					529.94	

Total of (M) + (L) =	(I)	= `	16967.44	Total = (I) + (II) =	(III)	= `	17064.74
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1696.74
Add: Allowance for PF @13.61% of (L)		= `	72.12	Grand Total	=	(III)+(IV)= `	18761.48
Add: Allowance for Employee' insurance @4.75% of (L)		= `	25.17	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	97.30	Therefore, Unit cost	=		
				18761.48	÷	10.00	=Rs. 1876.15
			Say Rs. 1,876.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(e) 200mm dia.

Corresponding Item No. 1e of Section -XVIII of MbPT SOR 2014
New Item No. 1e of Section -XVIII
NBO Ref. No.23.19(e) Page:306 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-200 mm dia. (Weight=4.86 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	2290.68	22906.84		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		70.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
										Total =	817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	4.860	qntl.	=	773.43	
TOTAL (M) =Rs.					22996.84	TOTAL (L) =Rs.					773.43	

Total of (M) + (L) =	(I)	= `	23770.27	Total = (I) + (II) =	(III)	= `	23912.27
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2377.03
Add: Allowance for PF @13.61% of (L)		= `	105.26	Grand Total	=	(III)+(IV)= `	26289.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	36.74	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	142.00	Therefore, Unit cost	26289.30	÷	10.00 =Rs. 2628.93
			Say Rs. 2,629.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(f) 250mm dia.

Corresponding Item No. 1f of Section -XVIII of MbPT SOR 2014
New Item No. 1f of Section -XVIII
NBO Ref. No.23.19(f) Page:307 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-250 mm dia. (Weight=6.56 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	3233.91	32339.07		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		80.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
										Total =	817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	6.560	qntl.	=	1043.97	
TOTAL (M) =Rs.					32439.07	TOTAL (L) =Rs.					1043.97	

Total of (M) + (L) =	(I)	= `	33483.04	Total = (I) + (II) =	(III)	= `	33674.71
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3348.30
Add: Allowance for PF @13.61% of (L)		= `	142.08	Grand Total	=	(III)+(IV)= `	37023.01
Add: Allowance for Employee' insurance @4.75% of (L)		= `	49.59	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	191.67	Therefore, Unit cost	37023.01	÷	10.00 =Rs. 3702.30
			Say Rs. 3,702.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(g) 300mm dia.

Corresponding Item No. 1g of Section -XVIII of MbPT SOR 2014
New Item No. 1g of Section -XVIII
NBO Ref. No.23.19(g) Page:307 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-300 mm dia. (Weight=8.47 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	4042.38	40423.84		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		90.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	8.470	qntl.	=	1347.92	
TOTAL (M) =Rs.					40533.84	TOTAL (L) =Rs.					1347.92	

Total of (M) + (L) =	(I)	= `	41881.77	Total = (I) + (II) =	(III)	= `	42129.25
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4188.18
Add: Allowance for PF @13.61% of (L)		= `	183.45	Grand Total	=	(III)+(IV)= `	46317.42
Add: Allowance for Employee' insurance @4.75% of (L)		= `	64.03	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	247.48	Therefore, Unit cost	46317.42	÷	10.00 =Rs. 4631.74
			Say Rs. 4,632.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(h) 350mm dia.

Corresponding Item No. 1h of Section -XVIII of MbPT SOR 2014
New Item No. 1h of Section -XVIII
NBO Ref. No.23.19(h) Page:308 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-350 mm dia. (Weight=10.66 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	5659.34	56593.38		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		90.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	10.660	qntl.	=	1696.44	
TOTAL (M) =Rs.					56703.38	TOTAL (L) =Rs.					1696.44	

Total of (M) + (L) =	(I)	= `	58399.82	Total = (I) + (II) =	(III)	= `	58711.29
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5839.98
Add: Allowance for PF @13.61% of (L)		= `	230.89	Grand Total	=	(III)+(IV)= `	64551.27
Add: Allowance for Employee' insurance @4.75% of (L)		= `	80.58	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	311.47	Therefore, Unit cost	=		
				64551.27	÷	10.00	=Rs. 6455.13
			Say Rs.	6,455.00	per	Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(i) 400mm dia.

Corresponding Item No. 1i of Section -XVIII of MbPT SOR 2014
New Item No. 1i of Section -XVIII
NBO Ref. No.23.19(i) Page:308 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-400 mm dia. (Weight=12.95 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	6916.97	69169.69		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		100.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	12.950	qntl.	=	2060.88	
TOTAL (M) =Rs.					69289.69	TOTAL (L) =Rs.					2060.88	

Total of (M) + (L) =	(I)	= `	71350.56	Total = (I) + (II) =	(III)	= `	71728.94
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7135.06
Add: Allowance for PF @13.61% of (L)		= `	280.49	Grand Total	=	(III)+(IV)= `	78864.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	97.89	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	378.38	Therefore, Unit cost	=		
				78864.00	÷	10.00	=Rs. 7886.40
			Say Rs. 7,886.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class LA as per IS with spigot and socket ends etc.
(j) 450mm dia.

Corresponding Item No. 1j of Section -XVIII of MbPT SOR 2014
New Item No. 1j of Section -XVIII
NBO Ref. No.23.19(j) Page:308 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class LA-450 mm dia. (Weight=15.63 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	8219.51	82195.15		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		100.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
										Total =	817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	15.630	qntl.	=	2487.37	
TOTAL (M) =Rs.					82315.15	TOTAL (L) =Rs.					2487.37	

Total of (M) + (L) =	(I)	= `	84802.52	Total = (I) + (II) =	(III)	= `	85259.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	8480.25
Add: Allowance for PF @13.61% of (L)		= `	338.53	Grand Total	=	(III)+(IV)= `	93739.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	118.15	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	456.68	Therefore, Unit cost	=		
				93739.45	÷	10.00	=Rs. 9373.95
			Say Rs. 9,374.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class B as per IS with flanged ends etc.
(a) 80mm dia.

Corresponding Item No. 2a of Section -XVIII of MbPT SOR 2014
New Item No. 2a of Section -XVIII
NBO Ref. No.23.27(a) Page:328 Vol:II

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class B-Flanged ends-80 mm dia. (Weight=1.93 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	4233.06	42330.63		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		40.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
										Total =	817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	1.930	qntl.	=	307.14	
TOTAL (M) =Rs.					42390.63	TOTAL (L) =Rs.					307.14	

Total of (M) + (L) =	(I)	= `	42697.77	Total = (I) + (II) =	(III)	= `	42754.16
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4269.78
Add: Allowance for PF @13.61% of (L)		= `	41.80	Grand Total	=	(III)+(IV)= `	47023.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.59	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	56.39	Therefore, Unit cost	=		
				47023.94	÷	10.00	=Rs. 4702.39
			Say Rs. 4,702.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class B as per IS with flanged ends etc.
(b) 100mm dia.

Corresponding Item No. 2b of Section -XVIII of MbPT SOR 2014
New Item No. 2b of Section -XVIII
NBO Ref. No.23.27(b) Page:339 Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class B-Flanged ends-100 mm dia. (Weight=2.43 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	5394.08	53940.83		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		40.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	2.430	qntl.	=	386.71	
TOTAL (M) =Rs.					54000.83	TOTAL (L) =Rs.					386.71	

Total of (M) + (L) =	(I)	= `	54387.54	Total = (I) + (II) =	(III)	= `	54458.54
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5438.75
Add: Allowance for PF @13.61% of (L)		= `	52.63	Grand Total	=	(III)+(IV)= `	59897.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	18.37	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	71.00	Therefore, Unit cost	=		
				59897.30	÷	10.00	=Rs. 5989.73
			Say Rs. 5,990.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class B as per IS with flanged ends etc.
(c) 150mm dia.

Corresponding Item No. 2c of Section -XVIII of MbPT SOR 2014
New Item No. 2c of Section -XVIII
NBO Ref. No.23.27(d) Page:329 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class B-Flanged ends-150 mm dia. (Weight=3.96 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	8739.01	87390.08		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		50.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
										Total =	817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	3.960	qntl.	=	630.20	
TOTAL (M) =Rs.					87460.08	TOTAL (L) =Rs.					630.20	

Total of (M) + (L) =	(I)	= `	88090.27	Total = (I) + (II) =	(III)	= `	88205.98
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	8809.03
Add: Allowance for PF @13.61% of (L)		= `	85.77	Grand Total	=	(III)+(IV)= `	97015.01
Add: Allowance for Employee' insurance @4.75% of (L)		= `	29.93	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	115.70	Therefore, Unit cost	=		
				97015.01	÷	10.00	=Rs. 9701.50
			Say Rs. 9,702.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class B as per IS with flanged ends etc.
(d) 200mm dia.

Corresponding Item No. 2d of Section -XVIII of MbPT SOR 2014
 New Item No. 2d of Section -XVIII
 NBO Ref. No.23.27(e) Page:329 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class B-Flanged ends-200 mm dia. (Weight=5.72 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	12935.63	129356.29		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		60.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
										Total =	817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	5.720	qntl.	=	910.29	
TOTAL (M) =Rs.					129436.29	TOTAL (L) =Rs.					910.29	

Total of (M) + (L) = (I) = ` 130346.58

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 167.13

Say Rs. 14,355.00 per Mtr.

Total = (I) + (II) = (III) = ` 130513.71

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 13034.66

Grand Total = (III)+(IV)= ` 143548.37

This is cost for 10.00 Mtrs.

Therefore, Unit cost = 143548.37 ÷ 10.00 =Rs. 14354.84

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class B as per IS with flanged ends etc. (e) 250mm dia.

Corresponding Item No. 2e of Section -XVIII of MbPT SOR 2014
 New Item No. 2e of Section -XVIII
 NBO Ref. No.23.27(f) Page:330 Vol:II

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class B-Flanged ends-250 mm dia. (Weight=7.72 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	17606.83	176068.29		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		60.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
										Total =	817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	7.720	qntl.	=	1228.57	
TOTAL (M) =Rs.					176148.29	TOTAL (L) =Rs.					1228.57	

Total of (M) + (L) =	(I)	= `	177376.86	Total = (I) + (II) =	(III)	= `	177602.42
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	17737.69
Add: Allowance for PF @13.61% of (L)		= `	167.21	Grand Total	=	(III)+(IV)= `	195340.11
Add: Allowance for Employee' insurance @4.75% of (L)		= `	58.36	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	225.57	Therefore, Unit cost	=		
				195340.11	÷	10.00	=Rs. 19534.01
			Say Rs. 19,534.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering in trenches and assembling in line and level CI fresh water pipes class B as per IS with flanged ends etc.
(f) 300mm dia.

Corresponding Item No. 2f of Section -XVIII of MbPT SOR 2014
New Item No. 2f of Section -XVIII
NBO Ref. No.23.27(g) Page:330 Vol:II

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Pipe-Class B-Flanged ends-300 mm dia. (Weight=9.95 qntls. For 10.00 Mtrs.)	10.000	Mtrs.	23176.34	231763.36		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		70.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
										Total =	817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	9.950	qntl.	=	1583.45	
TOTAL (M) =Rs.					231853.36	TOTAL (L) =Rs.					1583.45	

Total of (M) + (L) =	(I)	= `	233436.81	Total = (I) + (II) =	(III)	= `	233727.54
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	23343.68
Add: Allowance for PF @13.61% of (L)		= `	215.51	Grand Total	=	(III)+(IV)= `	257071.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	75.21	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	290.72	Therefore, Unit cost	257071.22	÷	10.00 =Rs. 25707.12
			Say Rs. 25,707.00			per Mtr.	

Rate Analysis for 1.00 qntl. of Item:
Providing and lowering in trenches and assembling in line and level CI specials for fresh water pipeline etc.

Corresponding Item No. 3 of Section -XVIII of MbPT SOR 2014
 New Item No. 3 of Section -XVIII
 NBO Ref. No.23.28 Page:331 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI specials	1.000	qntl.	5749.17	5749.17		Labour cost for	7.000	qntls. of fittings:			
2.	Carriage		Lumpsum		40.00	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
						3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
										Total =	2015.60	
							Labour cost for	1.000	qntl.	=	287.94	
TOTAL (M) =Rs.					5809.17	TOTAL (L) =Rs.					287.94	

Total of (M) + (L) =	(I)	= `	6097.11	Total = (I) + (II) =	(III)	= `	6149.98
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	609.71
Add: Allowance for PF @13.61% of (L)		= `	39.19	Grand Total	=	(III)+(IV)= `	6759.69
Add: Allowance for Employee' insurance @4.75% of (L)		= `	13.68	This is cost for	1.00	qntl.	
Total of allowances =	(II)	= `	52.87	Therefore, Unit cost	=		
				6759.69	÷	1.00	=Rs. 6759.69
			Say Rs. 6,760.00	per qntl.			

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(a) 80mm dia.

Corresponding Item No. 4a of Section -XVIII of MbPT SOR 2014
New Item No. 4a of Section -XVIII
NBO Ref. No.23.57(I) Page:371 Vol:II

MATERIAL COMPONENT (All Rates inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Spun yarn (0.1 Kg. X 10)	1.000	Kg.	94.07	94.07	1.	Plumber I	1.000	No.	540.38	540.38	
2.	Fuel wood	0.190	qntl.	720.34	136.86	2.	Plumber II	1.000	No.	525.00	525.00	
3.	Kerosene oil	0.38	Lit.	53.28	20.25	3.	Mazdoor-Male	2.000	No.	478.85	957.70	
4.	Lead	18.000	Kgs.	175.42	3157.64							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					3478.82	TOTAL (L) =Rs.					2023.08	

Total of (M) + (L) = (I) = ` 5501.90

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 371.44

Say Rs.

Total = (I) + (II) = (III) = ` 5873.33

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 550.19

Grand Total = (III)+(IV)= ` 6423.52

This is cost for 10.00 Nos.

Therefore, Unit cost = 6423.52 ÷ 10.00 =Rs. 642.35

per each

642.00

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(b) 100mm dia.

Corresponding Item No. 4b of Section -XVIII of MbPT SOR 2014
New Item No. 4b of Section -XVIII
NBO Ref. No.23.57(II) Page:371 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.18 Kg. X 10)	1.800	Kg.	94.07	169.32	1.	Plumber I	1.000	No.	540.38	540.38	
2.	Fuel wood	0.280	qntl.	720.34	201.70	2.	Plumber II	1.000	No.	525.00	525.00	
3.	Kerosene oil	0.38	Lit.	53.28	20.25	3.	Mazdoor-Male	2.000	No.	478.85	957.70	
4.	Lead	22.000	Kgs.	175.42	3859.33							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					4320.60	TOTAL (L) =Rs.					2023.08	

Total of (M) + (L) =	(I)	= `	6343.68	Total = (I) + (II) =	(III)	= `	6715.11
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	634.37
Add: Allowance for PF @13.61% of (L)		= `	275.34	Grand Total	=	(III)+(IV)= `	7349.48
Add: Allowance for Employee' insurance @4.75% of (L)		= `	96.10	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	371.44	Therefore, Unit cost	=		
				7349.48 ÷ 10.00	=Rs.		734.95
			Say Rs. 735.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(c) 125mm dia.

Corresponding Item No. 4c of Section -XVIII of MbPT SOR 2014
New Item No. 4c of Section -XVIII
NBO Ref. No.23.57(III) Page:372 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.2 Kg. X 10)	2.000	Kg.	94.07	188.14	1.	Plumber I	1.500	No.	540.38	810.57	
2.	Fuel wood	0.370	qntl.	720.34	266.53	2.	Plumber II	1.500	No.	525.00	787.50	
3.	Kerosene oil	0.76	Lit.	53.28	40.49	3.	Mazdoor-Male	3.000	No.	478.85	1436.55	
4.	Lead	26.000	Kgs.	175.42	4561.03							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		30.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					5126.18						3034.62	

Total of (M) + (L) =	(I)	= `	8160.80	Total = (I) + (II) =	(III)	= `	8717.96
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	816.08
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	413.01	Grand Total	=	(III)+(IV)= `	9534.04
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	144.14	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	557.16	Therefore, Unit cost	=		
				9534.04 ÷ 10.00	=Rs.		953.40
			Say Rs. 953.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(d) 150mm dia.

Corresponding Item No. 4d of Section -XVIII of MbPT SOR 2014
New Item No. 4d of Section -XVIII
NBO Ref. No.23.57(IV) Page:372 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.23 Kg. X 10)	2.300	Kg.	94.07	216.36	1.	Plumber I	1.500	No.	540.38	810.57	
2.	Fuel wood	0.420	qntl.	720.34	302.54	2.	Plumber II	1.500	No.	525.00	787.50	
3.	Kerosene oil	0.76	Lit.	53.28	40.49	3.	Mazdoor-Male	3.000	No.	478.85	1436.55	
4.	Lead	34.000	Kgs.	175.42	5964.42							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		30.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					6593.82						3034.62	

Total of (M) + (L) = (I) = ` 9628.44

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 413.01

Add: Allowance for Employee' insurance @4.75% of (L) = ` 144.14

Total of allowances = (II) = ` 557.16

Total = (I) + (II) = (III) = ` 10185.59

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 962.84

Grand Total = (III)+(IV)= ` 11148.44

This is cost for 10.00 Nos.

Therefore, Unit cost =
11148.44 ÷ 10.00 =Rs. 1114.84

Say Rs. 1,115.00 per each

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(e) 200mm dia.

Corresponding Item No. 4e of Section -XVIII of MbPT SOR 2014
New Item No. 4e of Section -XVIII
NBO Ref. No.23.57(V) Page:372 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.3 Kg. X 10)	3.000	Kg.	94.07	282.20	1.	Plumber I	2.000	No.	540.38	1080.76	
2.	Fuel wood	0.560	qntl.	720.34	403.39	2.	Plumber II	2.000	No.	525.00	1050.00	
3.	Kerosene oil	0.760	Lit.	53.28	40.49	3.	Mazdoor-Male	4.000	No.	478.85	1915.40	
4.	Lead	50.000	Kgs.	175.42	8771.21							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					9567.30	TOTAL (L) =Rs.					4046.16	

Total of (M) + (L) =	(I)	= `	13613.46	Total = (I) + (II) =	(III)	= `	14356.33
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1361.35
Add: Allowance for PF @13.61% of (L)		= `	550.68	Grand Total	=	(III)+(IV)= `	15717.68
Add: Allowance for Employee' insurance @4.75% of (L)		= `	192.19	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	742.87	Therefore, Unit cost	=		
				15717.68 ÷ 10.00	=Rs.	1571.77	
			Say Rs. 1,572.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(f) 250mm dia.

Corresponding Item No. 4f of Section -XVIII of MbPT SOR 2014
New Item No. 4f of Section -XVIII
NBO Ref. No.23.57(VI) Page:372 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.35 Kg. X 10)	3.500	Kg.	94.07	329.24	1.	Plumber I	2.500	No.	540.38	1350.95	
2.	Fuel wood	0.650	qntl.	720.34	468.22	2.	Plumber II	2.500	No.	525.00	1312.50	
3.	Kerosene oil	1.140	Lit.	53.28	60.74	3.	Mazdoor-Male	5.000	No.	478.85	2394.25	
4.	Lead	61.000	Kgs.	175.42	10700.88							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		40.00							
TOTAL (M) =Rs.					11639.08	TOTAL (L) =Rs.					5057.70	

Total of (M) + (L) =	(I)	= `	16696.78	Total = (I) + (II) =	(III)	= `	17625.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1669.68
Add: Allowance for PF @13.61% of (L)		= `	688.35	Grand Total	=	(III)+(IV)= `	19295.05
Add: Allowance for Employee' insurance @4.75% of (L)		= `	240.24	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	928.59	Therefore, Unit cost	=		
				19295.05 ÷ 10.00	=Rs.	1929.50	
			Say Rs. 1,930.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(g) 300mm dia.

Corresponding Item No. 4g of Section -XVIII of MbPT SOR 2014
New Item No. 4g of Section -XVIII
NBO Ref. No.23.57(VII) Page:373 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.48 Kg. X 10)	4.800	Kg.	94.07	451.53	1.	Plumber I	3.000	No.	540.38	1621.14	
2.	Fuel wood	0.750	qntl.	720.34	540.26	2.	Plumber II	3.000	No.	525.00	1575.00	
3.	Kerosene oil	1.520	Lit.	53.28	80.99	3.	Mazdoor-Male	6.000	No.	478.85	2873.10	
4.	Lead	72.000	Kgs.	175.42	12630.54							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		40.00							
TOTAL (M) =Rs.					13783.31	TOTAL (L) =Rs.					6069.24	

Total of (M) + (L) =	(I)	= `	19852.55	Total = (I) + (II) =	(III)	= `	20966.86
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1985.26
Add: Allowance for PF @13.61% of (L)		= `	826.02	Grand Total	=	(III)+(IV)= `	22952.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	288.29	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	1114.31	Therefore, Unit cost	=		
				22952.12 ÷ 10.00	=Rs.	2295.21	
			Say Rs. 2,295.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(h) 350mm dia.

Corresponding Item No. 4h of Section -XVIII of MbPT SOR 2014
New Item No. 4h of Section -XVIII
NBO Ref. No.23.57(VIII) Page:373 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.6 Kg. X 10)	6.000	Kg.	94.07	564.41	1.	Plumber I	3.000	No.	540.38	1621.14	
2.	Fuel wood	0.930	qntl.	720.34	669.92	2.	Plumber II	3.000	No.	525.00	1575.00	
3.	Kerosene oil	1.700	Lit.	53.28	90.58	3.	Mazdoor-Male	6.000	No.	478.85	2873.10	
4.	Lead	84.000	Kgs.	175.42	14735.63							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		40.00							
TOTAL (M) =Rs.					16140.54	TOTAL (L) =Rs.					6069.24	

Total of (M) + (L) =	(I)	= `	22209.78	Total = (I) + (II) =	(III)	= `	23324.09
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2220.98
Add: Allowance for PF @13.61% of (L)		= `	826.02	Grand Total	=	(III)+(IV)= `	25545.07
Add: Allowance for Employee' insurance @4.75% of (L)		= `	288.29	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	1114.31	Therefore, Unit cost	=		
				25545.07 ÷ 10.00	=Rs.	2554.51	
			Say Rs. 2,555.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(i) 400mm dia.

Corresponding Item No. 4i of Section -XVIII of MbPT SOR 2014
 New Item No. 4i of Section -XVIII
 NBO Ref. No.23.57(IX) Page:373 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.75 Kg. X 10)	7.500	Kg.	94.07	705.51	1.	Plumber I	4.000	No.	540.38	2161.52	
2.	Fuel wood	1.120	qntl.	720.34	806.78	2.	Plumber II	4.000	No.	525.00	2100.00	
3.	Kerosene oil	1.700	Lit.	53.28	90.58	3.	Mazdoor-Male	8.000	No.	478.85	3830.80	
4.	Lead	95.000	Kgs.	175.42	16665.30							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		40.00							
TOTAL (M) =Rs.					18348.17	TOTAL (L) =Rs.					8092.32	

Total of (M) + (L) = (I) = ` 26440.49

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 1485.75

Say Rs.

Total = (I) + (II) = (III) = ` 27926.24

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2644.05

Grand Total = (III)+(IV)= ` 30570.29

This is cost for 10.00 Nos.

Therefore, Unit cost = 30570.29 ÷ 10.00 =Rs. 3057.03

3,057.00 per each

Rate Analysis for 10.00 Nos. of Item:
Jointing of CI pipes, specials etc. with spun yarn, molten lead including caulking, testing of joints but excluding cost of pipe etc.
(j) 450mm dia.

Corresponding Item No. 4j of Section -XVIII of MbPT SOR 2014
New Item No. 4j of Section -XVIII
NBO Ref. No.23.57(X) Page:374 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Span yarn (0.95 Kg. X 10)	9.500	Kg.	94.07	893.65	1.	Plumber I	4.500	No.	540.38	2431.71	
2.	Fuel wood	1.210	qntl.	720.34	871.61	2.	Plumber II	4.500	No.	525.00	2362.50	
3.	Kerosene oil	2.270	Lit.	53.28	120.95	3.	Mazdoor-Male	9.000	No.	478.85	4309.65	
4.	Lead	140.00	Kgs.	175.42	24559.39							
5.	Sundries		Lumpsum		40.00							
6.	Carriage		Lumpsum		40.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					26525.60						9103.86	

Total of (M) + (L) =	(I)	= `	35629.46	Total = (I) + (II) =	(III)	= `	37300.92
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	3562.95
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	1239.04	Grand Total	=	(III)+(IV)= `	40863.87
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	432.43	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	1671.47	Therefore, Unit cost	=		
				40863.87 ÷ 10.00	=Rs.		4086.39
			Say Rs. 4,086.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(a) 80mm dia.

Corresponding Item No. 5a of Section -XVIII of MbPT SOR 2014
New Item No. 5a of Section -XVIII
NBO Ref. No.23.59(I) Page:375 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.000	Nos.	77.12	771.19	1.	Plumber I	0.150	No.	540.38	81.06	
2.	Bolts & nuts-16mm dia. 60mm	40.000	Nos.	32.20	1288.14	2.	Plumber II	0.150	No.	525.00	78.75	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	0.800	No.	478.85	383.08	
4.	Carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					2087.33	TOTAL (L) =Rs.					542.89	

Total of (M) + (L) =	(I)	= `	2630.21	Total = (I) + (II) =	(III)	= `	2729.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	263.02
Add: Allowance for PF @13.61% of (L)		= `	73.89	Grand Total	=	(III)+(IV)= `	2992.91
Add: Allowance for Employee' insurance @4.75% of (L)		= `	25.79	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	99.67	Therefore, Unit cost	=		
				2992.91 ÷ 10.00	=Rs.		299.29
			Say Rs. 299.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(b) 100mm dia.

Corresponding Item No. 5b of Section -XVIII of MbPT SOR 2014
New Item No. 5b of Section -XVIII
NBO Ref. No.23.59(Ii) Page:375 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.000	Nos.	77.12	771.19	1.	Plumber I	0.250	No.	540.38	135.10	
2.	Bolts & nuts-16mm dia. 60mm	80.000	Nos.	32.20	2576.28	2.	Plumber II	0.250	No.	525.00	131.25	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
4.	Carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					3375.47	TOTAL (L) =Rs.					745.20	

Total of (M) + (L) =	(I)	= `	4120.66	Total = (I) + (II) =	(III)	= `	4257.48
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	412.07
Add: Allowance for PF @13.61% of (L)		= `	101.42	Grand Total	=	(III)+(IV)= `	4669.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	35.40	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	136.82	Therefore, Unit cost	=		
				4669.55 ÷ 10.00	=Rs.		466.95
			Say Rs. 467.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(c) 150mm dia.

Corresponding Item No. 5c of Section -XVIII of MbPT SOR 2014
 New Item No. 5c of Section -XVIII
 NBO Ref. No.23.59(IV) Page:375 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.000	Nos.	77.12	771.19	1.	Plumber I	0.300	No.	540.38	162.11	
2.	Bolts & nuts-20mm dia. 65mm	80.000	Nos.	57.63	4610.18	2.	Plumber II	0.300	No.	525.00	157.50	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	1.100	No.	478.85	526.74	
4.	Carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					5409.37	TOTAL (L) =Rs.					846.35	

Total of (M) + (L) =	(I)	= `	6255.72	Total = (I) + (II) =	(III)	= `	6411.11
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	625.57
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	115.19	Grand Total	=	(III)+(IV)= `	7036.68
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	40.20	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	155.39	Therefore, Unit cost	=		
				7036.68 ÷ 10.00	=Rs.		703.67
			Say Rs. 704.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(d) 200mm dia.

Corresponding Item No. 5d of Section -XVIII of MbPT SOR 2014
 New Item No. 5d of Section -XVIII
 NBO Ref. No.23.59(V) Page:376 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.000	Nos.	77.12	771.19	1.	Plumber I	0.300	No.	540.38	162.11	
2.	Bolts & nuts-20mm dia. 70mm	80.000	Nos.	69.49	5559.34	2.	Plumber II	0.300	No.	525.00	157.50	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	1.100	No.	478.85	526.74	
4.	Carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					6358.53	TOTAL (L) =Rs.					846.35	

Total of (M) + (L) =	(I)	= `	7204.88	Total = (I) + (II) =	(III)	= `	7360.26
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	720.49
Add: Allowance for PF @13.61% of (L)		= `	115.19	Grand Total	=	(III)+(IV)= `	8080.75
Add: Allowance for Employee' insurance @4.75% of (L)		= `	40.20	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	155.39	Therefore, Unit cost	=		
				8080.75 ÷ 10.00	=Rs.		808.08
			Say Rs. 808.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(e) 250mm dia.

Corresponding Item No. 5e of Section -XVIII of MbPT SOR 2014
 New Item No. 5e of Section -XVIII
 NBO Ref. No.23.59(VI) Page:376 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.00	Nos.	77.12	771.19	1.	Plumber I	0.400	No.	540.38	216.15	
2.	Bolts & nuts-20mm dia. 75mm	120.00	Nos.	76.27	9152.57	2.	Plumber II	0.400	No.	525.00	210.00	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	1.300	No.	478.85	622.51	
4.	Carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					9951.76	TOTAL (L) =Rs.					1048.66	

Total of (M) + (L) =	(I)	= `	11000.41	Total = (I) + (II) =	(III)	= `	11192.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1100.04
Add: Allowance for PF @13.61% of (L)		= `	142.72	Grand Total	=	(III)+(IV)= `	12292.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	49.81	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	192.53	Therefore, Unit cost	=		
				12292.99 ÷ 10.00	=Rs.	1229.30	
			Say Rs. 1,229.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(f) 300mm dia.

Corresponding Item No. 5f of Section -XVIII of MbPT SOR 2014
 New Item No. 5f of Section -XVIII
 NBO Ref. No.23.59(VII) Page:376 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.00	Nos.	77.12	771.19	1.	Plumber I	0.400	No.	540.38	216.15	
2.	Bolts & nuts-20mm dia. 75mm	120.00	Nos.	76.27	9152.57	2.	Plumber II	0.400	No.	525.00	210.00	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	1.300	No.	478.85	622.51	
4.	Carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					9961.76	TOTAL (L) =Rs.					1048.66	

Total of (M) + (L) =	(I)	= `	11010.41	Total = (I) + (II) =	(III)	= `	11202.95
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1101.04
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	142.72	Grand Total	=	(III)+(IV)= `	12303.99
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	49.81	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	192.53	Therefore, Unit cost	=		
				12303.99 ÷ 10.00	=Rs.	1230.40	
			Say Rs. 1,230.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(g) 350mm dia.

Corresponding Item No. 5g of Section -XVIII of MbPT SOR 2014
 New Item No. 5g of Section -XVIII
 NBO Ref. No.23.59(VIII) Page:376 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.00	Nos.	77.12	771.19	1.	Plumber I	0.500	No.	540.38	270.19	
2.	Bolts & nuts-20mm dia. 80mm	160.00	Nos.	83.05	13288.17	2.	Plumber II	0.500	No.	525.00	262.50	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	1.500	No.	478.85	718.28	
4.	Carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					14097.36	TOTAL (L) =Rs.					1250.97	

Total of (M) + (L) =	(I)	= `	15348.33	Total = (I) + (II) =	(III)	= `	15578.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1534.83
Add: Allowance for PF @13.61% of (L)		= `	170.26	Grand Total	=	(III)+(IV)= `	17112.84
Add: Allowance for Employee' insurance @4.75% of (L)		= `	59.42	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	229.68	Therefore, Unit cost	=		
				17112.84 ÷ 10.00	=Rs.	1711.28	
			Say Rs. 1,711.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(h) 400mm dia.

Corresponding Item No. 5h of Section -XVIII of MbPT SOR 2014
 New Item No. 5h of Section -XVIII
 NBO Ref. No.23.59(IX) Page:377 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.00	Nos.	77.12	771.19	1.	Plumber I	0.500	No.	540.38	270.19	
2.	Bolts & nuts-24mm dia. 85mm	160.00	Nos.	93.22	14915.30	2.	Plumber II	0.500	No.	525.00	262.50	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	1.500	No.	478.85	718.28	
4.	Carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					15724.48	TOTAL (L) =Rs.					1250.97	

Total of (M) + (L) =	(I)	= `	16975.45	Total = (I) + (II) =	(III)	= `	17205.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1697.54
Add: Allowance for PF @13.61% of (L)		= `	170.26	Grand Total	=	(III)+(IV)= `	18902.67
Add: Allowance for Employee' insurance @4.75% of (L)		= `	59.42	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	229.68	Therefore, Unit cost	=		
				18902.67 ÷ 10.00	=Rs.	1890.27	
			Say Rs. 1,890.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Jointing of flanged CI pipes, flanged specials etc. with m.s. nuts, bolts, rubber gasket insertion, packing etc., testing joints but excluding cost of pipe etc.
(i) 450mm dia.

Corresponding Item No. 5i of Section -XVIII of MbPT SOR 2014
New Item No. 5i of Section -XVIII
NBO Ref. No.23.59(X) Page:377 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Rubber gasket (3mm thick)	10.00	Nos.	77.12	771.19	1.	Plumber I	0.600	No.	540.38	324.23	
2.	Bolts & nuts-24mm dia. 85mm	200.00	Nos.	93.22	18644.12	2.	Plumber II	0.600	No.	525.00	315.00	
3.	Sundries		Lumpsum		8.00	3.	Mazdoor-Male	1.700	No.	478.85	814.05	
4.	Carriage		Lumpsum		30.00							
TOTAL (M) =Rs.					19453.31	TOTAL (L) =Rs.					1453.27	

Total of (M) + (L) =	(I)	= `	20906.58	Total = (I) + (II) =	(III)	= `	21173.40
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2090.66
Add: Allowance for PF @13.61% of (L)		= `	197.79	Grand Total	=	(III)+(IV)= `	23264.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.03	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	266.82	Therefore, Unit cost	=		
				23264.06 ÷ 10.00	=Rs.		2326.41
			Say Rs. 2,326.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with CI cap and flanged ends and bearing ISI mark or MCGM tested etc.
(a) 80mm dia.

Corresponding Item No. 6a of Section -XVIII of MbPT SOR 2014
New Item No. 6a of Section -XVIII
NBO Ref. No.23.60(I) Page:378 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with cap 80mm dia.(Weight=3.23 qntls. for 10.00 Nos.)	10.00	Nos.	3144.08	31440.77		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5a above)	20.00	Nos.	272.99	5459.78	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 3.23 qntls.		Lumpsum		8.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	3.230	qntl.	=	287.94	
											930.06	
TOTAL (M) =Rs.					36928.54	TOTAL (L) =Rs.					930.06	

Total of (M) + (L) =	(I)	= `	37858.60	Total = (I) + (II) =	(III)	= `	38029.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3785.86
Add: Allowance for PF @13.61% of (L)		= `	126.58	Grand Total	=	(III)+(IV)= `	41815.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	44.18	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	170.76	Therefore, Unit cost	41815.22	÷	10.00 =Rs. 4181.52
			Say Rs. 4,182.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with CI cap and flanged ends and bearing ISI mark or MCGM tested etc.
(b) 100mm dia.

Corresponding Item No. 6b of Section -XVIII of MbPT SOR 2014
New Item No. 6b of Section -XVIII
NBO Ref. No.23.60(II) Page:378 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with cap 100mm dia.(Weight=4.43 qntls. for 10.00 Nos.)	10.00	Nos.	4132.21	41322.15		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5b above)	20.00	Nos.	425.75	8514.96	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 4.43 qntls.		Lumpsum		8.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	4.430	qntl.	=	287.94	
											1275.59	
TOTAL (M) =Rs.					49865.11	TOTAL (L) =Rs.					1275.59	

Total of (M) + (L) =	(I)	= `	51140.70	Total = (I) + (II) =	(III)	= `	51374.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5114.07
Add: Allowance for PF @13.61% of (L)		= `	173.61	Grand Total	=	(III)+(IV)= `	56488.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `	60.59	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	234.20	Therefore, Unit cost	=		
				56488.96	÷	10.00	=Rs. 5648.90
			Say Rs. 5,649.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with CI cap and flanged ends and bearing ISI mark or MCGM tested etc.
(c) 125mm dia.

Corresponding Item No. 6c of Section -XVIII of MbPT SOR 2014
New Item No. 6c of Section -XVIII
NBO Ref. No.23.60(III) Page:378 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with cap 125mm dia.(Weight=5.63 qntls. for 10.00 Nos.)	10.00	Nos.	6221.92	62219.16		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5c above minus 10%)	20.00	Nos.	577.00	11540.00	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 5.63 qntls.		Lumpsum		20.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	5.630	qntl.	=	287.94	
											1621.12	
TOTAL (M) =Rs.					73799.15	TOTAL (L) =Rs.					1621.12	

Total of (M) + (L) = (I) = ` 75420.27

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= ` 220.63

= ` 77.00

= ` 297.64

Say Rs. 8,326.00

Total = (I) + (II) = (III) = ` 75717.91

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 83259.94

This is cost for 10.00 Nos.

Therefore, Unit cost = 83259.94 ÷ 10.00 =Rs. 8325.99

per each

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with CI cap and flanged ends and bearing ISI mark or MCGM tested etc.
(d) 150mm dia.

Corresponding Item No. 6d of Section -XVIII of MbPT SOR 2014
New Item No. 6d of Section -XVIII
NBO Ref. No.23.60(IV) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with cap 150mm dia.(Weight=7.25 qntls. for 10.00 Nos.)	10.00	Nos.	6467.81	64678.15		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5c above)	20.00	Nos.	641.11	12822.22	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 7.25 qntls.		Lumpsum		20.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	7.250	qntl.	=	287.94	
											2087.59	
TOTAL (M) =Rs.					77540.37	TOTAL (L) =Rs.					2087.59	

Total of (M) + (L) =	(I)	= `	79627.95	Total = (I) + (II) =	(III)	= `	80011.23
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	7962.80
Add: Allowance for PF @13.61% of (L)		= `	284.12	Grand Total	=	(III)+(IV)= `	87974.03
Add: Allowance for Employee' insurance @4.75% of (L)		= `	99.16	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	383.28	Therefore, Unit cost	87974.03	÷	10.00 =Rs. 8797.40
			Say Rs. 8,797.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with CI cap and flanged ends and bearing ISI mark or MCGM tested etc.
(e) 200mm dia.

Corresponding Item No. 6e of Section -XVIII of MbPT SOR 2014
New Item No. 6e of Section -XVIII
NBO Ref. No.23.60(V) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with cap 200mm dia.(Weight=12.15 qntls. for 10.00 Nos.)	10.00	Nos.	11588.17	115881.68		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5d above)	20.00	Nos.	736.03	14720.53	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 12.15 qntls.		Lumpsum		30.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	12.150	qntl.	=	287.94	
											3498.51	
TOTAL (M) =Rs.					130652.21	TOTAL (L) =Rs.					3498.51	

Total of (M) + (L) = (I) = ` 134150.72

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= `

= `

= `

= `

642.33

Say Rs. 14,821.00

per each

Total = (I) + (II) = (III) = ` 134793.04

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 148208.12

This is cost for 10.00 Nos.

Therefore, Unit cost = 148208.12 ÷ 10.00 =Rs. 14820.81

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with CI cap and flanged ends and bearing ISI mark or MCGM tested etc.
(f) 250mm dia.

Corresponding Item No. 6f of Section -XVIII of MbPT SOR 2014
New Item No. 6f of Section -XVIII
NBO Ref. No.23.60(VI) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with cap 250mm dia.(Weight=17.99 qntls. for 10.00 Nos.)	10.00	Nos.	16079.71	160797.06		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5e above)	20.00	Nos.	1119.29	22385.89	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 17.99 qntls.		Lumpsum		30.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	17.990	qntl.	=	287.94	
											5180.10	
TOTAL (M) =Rs.					183232.95	TOTAL (L) =Rs.					5180.10	

Total of (M) + (L) =	(I)	= `	188413.05	Total = (I) + (II) =	(III)	= `	189364.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	18841.31
Add: Allowance for PF @13.61% of (L)		= `	705.01	Grand Total	=	(III)+(IV)= `	208205.42
Add: Allowance for Employee' insurance @4.75% of (L)		= `	246.05	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	951.07	Therefore, Unit cost	208205.42	÷	10.00 =Rs. 20820.54
			Say Rs. 20,821.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with CI cap and flanged ends and bearing ISI mark or MCGM tested etc. (g) 300mm dia.

Corresponding Item No. 6g of Section -XVIII of MbPT SOR 2014
 New Item No. 6g of Section -XVIII
 NBO Ref. No.23.60(VII) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with cap 300mm dia.(Weight=24.24 qntls. for 10.00 Nos.)	10.00	Nos.	21110.23	211102.29		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5f above)	20.00	Nos.	1120.29	22405.89	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 24.24 qntls.		Lumpsum		30.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	24.240	qntl.	=	287.94	
											6979.74	
TOTAL (M) =Rs.					233558.18	TOTAL (L) =Rs.					6979.74	

Total of (M) + (L) =	(I)	= `	240537.92	Total = (I) + (II) =	(III)	= `	241819.40
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	24053.79
Add: Allowance for PF @13.61% of (L)		= `	949.94	Grand Total	=	(III)+(IV)= `	265873.19
Add: Allowance for Employee' insurance @4.75% of (L)		= `	331.54	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	1281.48	Therefore, Unit cost	265873.19	÷	10.00 =Rs. 26587.32
			Say Rs. 26,587.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with flanged ends gear wheel arrangements and bearing ISI mark or MCGM tested etc.
(a) 300mm dia.

Corresponding Item No. 7a of Section -XVIII of MbPT SOR 2014
New Item No. 7a of Section -XVIII
NBO Ref. No.23.60(VII) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with gear wheel-300mm dia. (Weight=24.24 qntls. for 10.00 Nos.)	10.00	Nos.	33390.95	333909.48		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5f above)	20.00	Nos.	1120.29	22405.89	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 24.24 qntls.		Lumpsum		30.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	24.240	qntl.	=	287.94	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					356365.37						6979.74	

Total of (M) + (L) =	(I)	= `	363345.11	Total = (I) + (II) =	(III)	= `	364626.59
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	36334.51
Add: Allowance for PF @13.61% of (L)		= `	949.94	Grand Total	=	(III)+(IV)= `	400961.10
Add: Allowance for Employee' insurance @4.75% of (L)		= `	331.54	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	1281.48	Therefore, Unit cost		=	
				400961.10	÷	10.00	=Rs. 40096.11
			Say Rs. 40,096.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with flanged ends gear wheel arrangements and bearing ISI mark or MCGM tested etc.
(b) 350mm dia.

Corresponding Item No. 7b of Section -XVIII of MbPT SOR 2014
New Item No. 7b of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with gear wheel-350mm dia. (Weight=32.50 qntls. for 10.00 Nos.)	10.00	Nos.	47250.07	472500.73		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5g above)	20.00	Nos.	1557.80	31156.01	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 32.50 qntls.		Lumpsum		40.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	287.94	
							Labour cost for	32.500	qntl.	=	9358.15	
TOTAL (M) =Rs.					503716.74	TOTAL (L) =Rs.					9358.15	

Total of (M) + (L) = (I) = ` 513074.89

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 1718.16

Say Rs. 56,610.00 per each

Total = (I) + (II) = (III) = ` 514793.04

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 51307.49

Grand Total = (III)+(IV)= ` 566100.53

This is cost for 10.00 Nos.

Therefore, Unit cost = 566100.53 ÷ 10.00 =Rs. 56610.05

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with flanged ends gear wheel arrangements and bearing ISI mark or MCGM tested etc.
(c) 400mm dia.

Corresponding Item No. 7c of Section -XVIII of MbPT SOR 2014
 New Item No. 7c of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with gear wheel-400mm dia. (Weight=54.40 qntls. for 10.00 Nos.)	10.00	Nos.	61249.38	612493.83		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5h above)	20.00	Nos.	1720.51	34410.25	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 54.40 qntls.		Lumpsum		40.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	287.94	
							Labour cost for	54.400	qntl.	=	15664.10	
TOTAL (M) =Rs.					646964.09	TOTAL (L) =Rs.					15664.10	

Total of (M) + (L) = (I) = ` 662628.19

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 2875.93

Say Rs. 73,177.00 per each

Total = (I) + (II) = (III) = ` 665504.12

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 66262.82

Grand Total = (III)+(IV)= ` 731766.94

This is cost for 10.00 Nos.

Therefore, Unit cost =
 731766.94 ÷ 10.00 =Rs. 73176.69

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI sluice valve heavy quality with flanged ends gear wheel arrangements and bearing ISI mark or MCGM tested etc.
(d) 450mm dia.

Corresponding Item No. 7d of Section -XVIII of MbPT SOR 2014
New Item No. 7d of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Sluice valve with gear wheel-450mm dia. (Weight=63.70 qntls. for 10.00 Nos.)	10.00	Nos.	76996.21	769962.07		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5i above)	20.00	Nos.	2117.34	42346.81	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 63.70 qntls.		Lumpsum		50.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	287.94	
							Labour cost for	63.700	qntl.	=	18341.97	
TOTAL (M) =Rs.					812378.88	TOTAL (L) =Rs.					18341.97	

Total of (M) + (L) =	(I)	= `	830720.85	Total = (I) + (II) =	(III)	= `	834088.44
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	83072.08
Add: Allowance for PF @13.61% of (L)		= `	2496.34	Grand Total	=	(III)+(IV)= `	917160.52
Add: Allowance for Employee' insurance @4.75% of (L)		= `	871.24	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	3367.59	Therefore, Unit cost	=		
				917160.52	÷	10.00	=Rs. 91716.05
			Say Rs. 91,716.00	per each			

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc.
(a) 80mm dia.

Corresponding Item No. 8a of Section -XVIII of MbPT SOR 2014
New Item No. 8a of Section -XVIII
NBO Ref. No.23.60(I) Page:378 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.I non-return reflex valve-80mm dia. (Weight=3.40 qntls. for 10.00 Nos.)	10.00	Nos.	3054.25	30542.46	1.	Labour cost for Plumber I	7.000	qntls.:			
2.	Flanged joints (Item No.5a above)	20.00	Nos.	272.99	5459.78	2.	Plumber II	0.930	No.	540.38	502.55	
3.	Sundries					3.	Mazdoor-Male	0.620	No.	525.00	325.50	
4.	Carriage - 3.40 qntls.							2.480	No.	478.85	1187.55	
			Lumpsum		20.00		Labour cost for	1.000	qntl.	Total =	2015.60	
			Lumpsum		8.00		Labour cost for	3.400	qntl.	=	287.94	
TOTAL (M) =Rs.					36030.24	TOTAL (L) =Rs.					979.01	

Total of (M) + (L) =	(I)	= `	37009.24	Total = (I) + (II) =	(III)	= `	37188.99
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3700.92
Add: Allowance for PF @13.61% of (L)		= `	133.24	Grand Total	=	(III)+(IV)= `	40889.91
Add: Allowance for Employee' insurance @4.75% of (L)		= `	46.50	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	179.75	Therefore, Unit cost	=		
				40889.91	÷	10.00	=Rs. 4088.99
			Say Rs.	4,089.00	per	each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc.
(b) 100mm dia.

Corresponding Item No. 8b of Section -XVIII of MbPT SOR 2014
New Item No. 8b of Section -XVIII
NBO Ref. No.23.60(II) Page:378 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.I non-return reflex valve-100mm dia. (Weight=4.90 qntls. for 10.00 Nos.)	10.00	Nos.	4222.05	42220.46		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5b above)	20.00	Nos.	425.75	8514.96	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 4.90 qntls.		Lumpsum		8.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	287.94	
							Labour cost for	4.900	qntl.	=	1410.92	
TOTAL (M) =Rs.					50763.42	TOTAL (L) =Rs.					1410.92	

Total of (M) + (L) =	(I)	= `	52174.34	Total = (I) + (II) =	(III)	= `	52433.38
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5217.43
Add: Allowance for PF @13.61% of (L)		= `	192.03	Grand Total	=	(III)+(IV)= `	57650.82
Add: Allowance for Employee' insurance @4.75% of (L)		= `	67.02	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	259.05	Therefore, Unit cost	57650.82	÷	10.00 =Rs. 5765.08
			Say Rs. 5,765.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc.
(c) 150mm dia.

Corresponding Item No. 8c of Section -XVIII of MbPT SOR 2014
New Item No. 8c of Section -XVIII
NBO Ref. No.23.60(IV) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.I non-return reflex valve-150mm dia. (Weight=8.30 qntls. for 10.00 Nos.)	10.00	Nos.	6557.65	65576.45		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5c above)	20.00	Nos.	641.11	12822.22	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 8.30 qntls.		Lumpsum		20.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
										Total =	2015.60	
							Labour cost for	1.000	qntl.	=	287.94	
							Labour cost for	8.300	qntl.	=	2389.93	
TOTAL (M) =Rs.					78438.67	TOTAL (L) =Rs.					2389.93	

Total of (M) + (L) =	(I)	= `	80828.60	Total = (I) + (II) =	(III)	= `	81267.39
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	8082.86
Add: Allowance for PF @13.61% of (L)		= `	325.27	Grand Total	=	(III)+(IV)= `	89350.25
Add: Allowance for Employee' insurance @4.75% of (L)		= `	113.52	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	438.79	Therefore, Unit cost	=		
				89350.25	÷	10.00	=Rs. 8935.03
			Say Rs. 8,935.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc.
(d) 200mm dia.

Corresponding Item No. 8d of Section -XVIII of MbPT SOR 2014
New Item No. 8d of Section -XVIII
NBO Ref. No.23.60(V) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.I non-return reflex valve-200mm dia. (Weight=13.60 qntls. for 10.00 Nos.)	10.00	Nos.	11633.08	116330.83		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5d above)	20.00	Nos.	736.03	14720.53	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 13.60 qntls.		Lumpsum		20.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	287.94	
							Labour cost for	13.600	qntl.	=	3916.03	
TOTAL (M) =Rs.					131091.36	TOTAL (L) =Rs.					3916.03	

Total of (M) + (L) = (I) = ` 135007.39

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 718.98

Say Rs. 14,923.00 per each

Total = (I) + (II) = (III) = ` 135726.37

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 13500.74

Grand Total = (III)+(IV)= ` 149227.11

This is cost for 10.00 Nos.

Therefore, Unit cost = 149227.11 ÷ 10.00 =Rs. 14922.71

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc.
(e) 250mm dia.

Corresponding Item No. 8e of Section -XVIII of MbPT SOR 2014
 New Item No. 8e of Section -XVIII
 NBO Ref. No.23.60(VI) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.I non-return reflex valve-250mm dia. (Weight=25.30 qntls. for 10.00 Nos.)	10.00	Nos.	18145.81	181458.14		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5e above)	20.00	Nos.	1119.29	22385.89	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 25.30 qntls.		Lumpsum		30.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	25.300	qntl.	=	287.94	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					203894.03						7284.96	

Total of (M) + (L) =	(I)	= `	211178.99	Total = (I) + (II) =	(III)	= `	212516.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	21117.90
Add: Allowance for PF @13.61% of (L)		= `	991.48	Grand Total	=	(III)+(IV)= `	233634.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	346.04	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	1337.52	Therefore, Unit cost		=	
				233634.41	÷	10.00	=Rs. 23363.44
			Say Rs.	23,363.00	per	each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc.
(f) 300mm dia.

Corresponding Item No. 8f of Section -XVIII of MbPT SOR 2014
New Item No. 8f of Section -XVIII
NBO Ref. No.23.60(VII) Page:379 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.I non-return reflex valve-300mm dia. (Weight=30.90 qntls. for 10.00 Nos.)	10.00	Nos.	23266.17	232661.67		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5f above)	20.00	Nos.	1120.29	22405.89	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 30.90 qntls.		Lumpsum		30.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	2015.60	
							Labour cost for	30.900	qntl.	=	287.94	
											8897.44	
TOTAL (M) =Rs.					255117.56	TOTAL (L) =Rs.					8897.44	

Total of (M) + (L) =	(I)	= `	264015.00	Total = (I) + (II) =	(III)	= `	265648.57
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	26401.50
Add: Allowance for PF @13.61% of (L)		= `	1210.94	Grand Total	=	(III)+(IV)= `	292050.07
Add: Allowance for Employee' insurance @4.75% of (L)		= `	422.63	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	1633.57	Therefore, Unit cost	292050.07	÷	10.00 =Rs. 29205.01
			Say Rs. 29,205.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc.
(g) 350mm dia.

Corresponding Item No. 8g of Section -XVIII of MbPT SOR 2014
New Item No. 8g of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.I non-return reflex valve-350mm dia. (Weight=42.20 qntls. for 10.00 Nos.)	10.00	Nos.	41771.30	417713.03		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5g above)	20.00	Nos.	1557.80	31156.01	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 42.20 qntls.		Lumpsum		40.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	287.94	
							Labour cost for	42.200	qntl.	=	12151.20	
TOTAL (M) =Rs.					448929.04	TOTAL (L) =Rs.					12151.20	

Total of (M) + (L) =	(I)	= `	461080.24	Total = (I) + (II) =	(III)	= `	463311.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	46108.02
Add: Allowance for PF @13.61% of (L)		= `	1653.78	Grand Total	=	(III)+(IV)= `	509419.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	577.18	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	2230.96	Therefore, Unit cost	=		
				509419.22	÷	10.00	=Rs. 50941.92
			Say Rs. 50,942.00			per each	

Rate Analysis for 10.00 Nos. of Item:
Providing and lowering in trenches and assembling CI non-return valve heavy quality with flanged ends and bearing ISI mark or MCGM tested etc.
(h) 450mm dia.

Corresponding Item No. 8h of Section -XVIII of MbPT SOR 2014
New Item No. 8h of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.I non-return reflex valve-450mm dia. (Weight=70.00 qntls. for 10.00 Nos.)	10.00	Nos.	58569.66	585696.56		Labour cost for	7.000	qntls.:			
2.	Flanged joints (Item No.5i above)	20.00	Nos.	2117.34	42346.81	1.	Plumber I	0.930	No.	540.38	502.55	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.620	No.	525.00	325.50	
4.	Carriage - 70.00 qntls.		Lumpsum		50.00	3.	Mazdoor-Male	2.480	No.	478.85	1187.55	
							Labour cost for	1.000	qntl.	=	287.94	
							Labour cost for	70.000	qntl.	=	20156.01	
TOTAL (M) =Rs.					628113.36	TOTAL (L) =Rs.					20156.01	

Total of (M) + (L) =	(I)	= `	648269.37	Total = (I) + (II) =	(III)	= `	651970.02
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	64826.94
Add: Allowance for PF @13.61% of (L)		= `	2743.23	Grand Total	=	(III)+(IV)= `	716796.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `	957.41	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	3700.64	Therefore, Unit cost	=		
				716796.96 ÷	10.00	=Rs.	71679.70
			Say Rs. 71,680.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI equilibrium ball valve bearing ISI mark or MCGM tested with all accessories etc.
(a) 80mm dia.

Corresponding Item No. 9a of Section -XVIII of MbPT SOR 2014
 New Item No. 9a of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ball valve with all accessories-80mm dia.	1.00	No.	1105.94	1105.94	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
3.	Carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					1133.94	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	1223.94	Total = (I) + (II) =	(III)	= `	1240.46
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	122.39
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	1362.85
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost	=		
				1362.85	÷	1.00	=Rs. 1362.85
			Say Rs. 1,363.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI equilibrium ball valve bearing ISI mark or MCGM tested with all accessories etc.
(b) 100mm dia.

Corresponding Item No. 9b of Section -XVIII of MbPT SOR 2014
 New Item No. 9b of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ball valve with all accessories-100mm dia.	1.00	No.	1298.31	1298.31	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
3.	Carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					1326.31	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	1416.31	Total = (I) + (II) =	(III)	= `	1432.83
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	141.63
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	1574.46
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost	=		
				1574.46	÷	1.00	=Rs. 1574.46
			Say Rs. 1,574.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI equilibrium ball valve bearing ISI mark or MCGM tested with all accessories etc.
(c) 150mm dia.

Corresponding Item No. 9c of Section -XVIII of MbPT SOR 2014
 New Item No. 9c of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ball valve with all accessories-150mm dia.	1.00	No.	1923.73	1923.73	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
3.	Carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					1951.73	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	2041.73	Total = (I) + (II) =	(III)	= `	2058.26
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	204.17
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	2262.43
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost	=		
				2262.43	÷	1.00	=Rs. 2262.43
			Say Rs. 2,262.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI equilibrium ball valve bearing ISI mark or MCGM tested with all accessories etc.
(d) 200mm dia.

Corresponding Item No. 9d of Section -XVIII of MbPT SOR 2014
 New Item No. 9d of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ball valve with all accessories-200mm dia.	1.00	No.	3606.79	3606.79	1.	Fixing charges		Lumpsum		90.00	
2.	Sundries		Lumpsum		20.00							
3.	Carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					3646.79	TOTAL (L) =Rs.					90.00	

Total of (M) + (L) =	(I)	= `	3736.79	Total = (I) + (II) =	(III)	= `	3753.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	373.68
Add: Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	4126.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost	=		
				4126.99	÷	1.00	=Rs. 4126.99
			Say Rs. 4,127.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI equilibrium ball valve bearing ISI mark or MCGM tested with all accessories etc.
(e) 250mm dia.

Corresponding Item No. 9e of Section -XVIII of MbPT SOR 2014
 New Item No. 9e of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ball valve with all accessories-250mm dia.	1.00	No.	5677.13	5677.13	1.	Fixing charges		Lumpsum		120.00	
2.	Sundries		Lumpsum		20.00							
3.	Carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					5717.13	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) =	(I)	= `	5837.13	Total = (I) + (II) =	(III)	= `	5859.17
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	583.71
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	16.33	Grand Total	=	(III)+(IV)= `	6442.88
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	=		
				6442.88	÷	1.00	=Rs. 6442.88
			Say Rs. 6,443.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI equilibrium ball valve bearing ISI mark or MCGM tested with all accessories etc.
(f) 300mm dia.

Corresponding Item No. 9f of Section -XVIII of MbPT SOR 2014
 New Item No. 9f of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ball valve with all accessories-300mm dia.	1.00	No.	8561.04	8561.04	1.	Fixing charges		Lumpsum		120.00	
2.	Sundries		Lumpsum		20.00							
3.	Carriage		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8601.04						120.00	

Total of (M) + (L) =	(I)	= `	8721.04	Total = (I) + (II) =	(III)	= `	8743.07
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	872.10
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	16.33	Grand Total	=	(III)+(IV)= `	9615.18
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	=		
				9615.18	÷	1.00	=Rs. 9615.18
			Say Rs.	9,615.00	per	each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing stand-post hydrant etc.

Corresponding Item No. 10 of Section -XVIII of MbPT SOR 2014
 New Item No. 10 of Section -XVIII
 NBO Ref. No.23.61 Page:380 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Stand post hydrant 65mm (2.5") dia. outlet	1.00	No.	11228.85	11228.85	1.	Fixing charges for -					
2.	Sluice valve-80mm dia.	1.00	No.	3144.08	3144.08	1.	Stand post hydrant		Lumpsum		360.00	
3.	Duck foot bend-80mm dia.(CI)	0.21	qntl.	5749.17	1207.33	2.	Sluice valve-80mm		(Labour component of Item No.		93.01	
4.	Tail piece-80mm (CI special)	0.13	qntl.	5749.17	747.39	3.	Road box		Lumpsum		60.00	
5.	Road box (35Kgs.)	1.00	No.	2291.93	2291.93	4.	Jointing Dock foot bend-80mm		(Half labour of Item		27.14	
6.	Jointing CI Riser & pipe 80mm (Item No.5a above)	1.00	No.	272.99	272.99	5.	Jointing Tail piece-80mm		(Half labour of Item No.		27.14	
7.	Rubber gasket	2.00	Nos.	77.12	154.24	6.	Jointing CI Riser-80mm		(Half labour of Item No.5a		27.14	
8.	Nuts and bolts-16mm dia.60mm	8.00	Nos.	32.20	257.63	7.	Jointing CI pipe-80mm		(Half labour of Item No.5a		27.14	
9.	Painting stand post		Lumpsum		90.00							
10.	Sundries		Lumpsum		20.00							
11.	Carriage - 0.286 qntls.		Lumpsum		8.00							
TOTAL (M) =Rs.					19422.42	TOTAL (L) =Rs.					621.58	

Total of (M) + (L) =	(I)	= `	20044.01	Total = (I) + (II) =	(III)	= `	20158.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2004.40
Add: Allowance for PF @13.61% of (L)		= `	84.60	Add: Cost of constructing chamber =(V)= (Attachment to Item No.10 - Next sheet)			6,584.00
Add: Allowance for Employee' insurance @4.75% of (L)		= `	29.53	Grand Total =	(III)+(IV)+(V) =Rs.		28746.53
Total of allowances =	(II)	= `	114.12	This is cost for	1.00	No.	
Total cost including providing chamber = Say Rs.			28,747.00	per each			

ATTACHMENT to Rate Analysis for Item No.10**Construction of chamber for fire hydrant, sluice valve etc.**

For 1.00 No. of chamber of 600X600X750mm

ATTACHMENT**to Item No.10**

Corresponding Item No. of Section -XVIII of MbPT SOR 2014

New Item No. of Section -XVIII

Ref.:Item No.10 - Providing and fixing stand post fir hydrant

NBO Ref. No.23.63(I) Page:380 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
	Material Costs:						Labour Costs:					
1.	Brick masonry in CM (1:5) greater than one brick (Item No.2b(i), Section-VI)	0.48	Cu.M.	3804.70	1826.26	1.	Brick masonry in CM (1:5) greater than (Item No.2b(i), Section-VI)	0.48	Cu.M.	1298.736	623.39	
2.	Plaster in CM (1:3) (Item No.5, Section-IX)	2.16	Sq.M.	235.92	509.58	2.	Plaster in CM (1:3) (Item No.5, Section-IX)	2.16	Sq.M.	280.936	606.82	
3.	Cement Concrete (1:2:4) (Item No.1a(i), Section-IV)	0.15	Cu.M.	4181.31	627.20	3.	Cement Concrete (1 (Item No.1a(i), Section-IV)	0.15	Cu.M.	982.238	147.34	
4.	Cement Concrete (1:3:6) (Item No.2a, Section-IV)	0.13	Cu.M.	3724.82	484.23	4.	Cement Concrete (1 (Item No.2a, Section-IV)	0.13	Cu.M.	982.238	127.69	
5.	Steel (Item No.1a, Section-XI)	0.1176	qntl.	4771.35	561.11	5.	Steel (Item No.1a, Section-XI)	0.1176	qntl.	1084.003	127.48	
6.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					4028.37	TOTAL (L) =Rs.					1632.72	

Total of (M) + (L) = (I) = ` 5661.09

Add: Allowance for Water charges @1% of (I) = ` 56.61

Add: Allowance for PF @13.61% of (L) = ` 222.21

Add: Allowance for Employee' insurance @4.75% of (L) = ` 77.55

Total of allowances = (II) = ` 356.38

Say Rs. 6,584.00 per each

Total = (I) + (II) = (III) = ` 6017.47

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 566.11

Grand Total = (III)+(IV)= ` 6583.58

This is cost for 1.00 No.

Therefore, Unit cost = 6583.58 ÷ 1.00 =Rs. 6583.58

Rate Analysis for 1.00 No. of Item:
Providing and fixing non-pressure type underground fire hydrant 625mm (2.5") dia. etc.

Corresponding Item No. 11 of Section -XVIII of MbPT SOR 2014
 New Item No. 11 of Section -XVIII
 NBO Ref. No.23.61 Page:380 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI cap for riser with threads & CI threaded outlet	1.00	No.	5962.67	5962.67	1.	Fixing charges for -					
2.	Sluice valve-80mm dia.	1.00	No.	3144.08	3144.08	1.	Fire hydrant(Road level)		Lumpsum		360.00	
3.	Duck foot bend-80mm dia.(CI)	0.21	qntl.	5749.17	1207.33	2.	Sluice valve-80mm (Labour component of Item No. 1)				93.01	
4.	Tail piece-80mm (CI special)	0.13	qntl.	5749.17	747.39	3.	Surface box		Lumpsum		60.00	
5.	Surface box (35Kgs.)	1.00	No.	862.23	862.23	4.	Jointing Dock foot bend-80mm (Half labour of Item No. 1)				27.14	
6.	CI pipe both end flanged-80mm	0.48	Mtr.	4233.06	2031.87	5.	Jointing Tail piece-80mm (Half labour of Item No. 1)				27.14	
7.	Jointing CI Riser & pipe 80mm (Item No.5a above)	1.00	No.	272.99	272.99	6.	Jointing CI Riser-80mm (Half labour of Item No.5a)				27.14	
8.	Rubber gasket	2.00	Nos.	77.12	154.24	7.	Jointing CI pipe-80mm (Half labour of Item No.5a)				27.14	
9.	Nuts and bolts-16mm dia.60mm	8.00	Nos.	32.20	257.63							
10.	Sundries		Lumpsum		20.00							
11.	Carriage		Lumpsum		8.00							
TOTAL (M) =Rs.					14668.42	TOTAL (L) =Rs.					621.58	

Total of (M) + (L) =	(I)	= `	15290.01	Total = (I) + (II) =	(III)	= `	15404.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1529.00
Add: Allowance for PF @13.61% of (L)		= `	84.60	Add:Cost of constructing chamber =(V)=			6,584.00
				(Attachment to Item No.10)			
Add: Allowance for Employee' insurance @4.75% of (L)		= `	29.53	Grand Total =	(III)+(IV)+(V) =Rs.		23517.13
				This is cost for	1.00	No.	
Total of allowances =	(II)	= `	114.12				
				Say Rs.	23,517.00	per	each

Rate Analysis for 1.00 No. of Item:
CI Road box for stop-cocks/ wheel valve etc.

Corresponding Item No. 12 of Section -XVIII of MbPT SOR 2014
 New Item No. 12 of Section -XVIII
 NBO Ref. No.23.63(I) Page:380 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Construction of chamber 600X600X750mm (Attachment to Item No.10 above)	1.00	No.	6017.47	6017.47	1.	Fixing charges		Lumpsum		360.00	
2.	CI Road box	1.00	No.	2291.93	2291.93							
3.	Excavation (Item No.3a, Section-III)	0.50	Cu.M.	183.74	91.87							
4.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8421.27						360.00	

Total of (M) + (L) = (I) = ` 8781.27

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 49.00

Add: Allowance for Employee' insurance @4.75% of (L) = ` 17.10

Total of allowances = (II) = ` 66.10

Total = (I) + (II) = (III) = ` 8847.37

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 878.13

Grand Total = (III)+(IV)= ` 9725.50

This is cost for 1.00 No.

Therefore, Unit cost = 9725.50 ÷ 1.00 =Rs. 9725.50

Say Rs. 9,725.00 per each

Rate Analysis for 1.00 No. of Item:
Constructing brick masonry sluice valve chamber of 600X600mm size etc.

Corresponding Item No. 13 of Section -XVIII of MbPT SOR 2014
 New Item No. 13 of Section -XVIII
 NBO Ref. No.23.63(I) Page:380 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Construction of chamber 600X600X750mm (Attachment to Item No.10 above)	1.00	No.	6017.47	6017.47	1.	Fixing charges		Lumpsum		90.00	
2.	CI frame & cover-100 Kgs.	1.00	No.	9350.87	9350.87							
3.	Excavation (Item No.3a, Section-III)	0.50	Cu.M.	183.74	91.87							
4.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					15480.22						90.00	

Total of (M) + (L) =	(I)	= `	15570.22	Total = (I) + (II) =	(III)	= `	15586.74
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1557.02
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	17143.76
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost	=		
				17143.76	÷	1.00	=Rs. 17143.76
			Say Rs. 17,144.00	per each			

Rate Analysis for 2.00 Nos. of Item:
Providing and fixing 300 mm dia. blank flanges including rubber packing, nuts, bolts etc.

Corresponding Item No. 14 of Section -XVIII of MbPT SOR 2014
 New Item No. 14 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI flange-300mm dia.	2.00	Nos.	2396.59	4793.18	1.	Plumber III	0.300	No.	498.08	149.42	
2.	Rubber gasket	2.00	Nos.	77.12	154.24	2.	Mazdoor-Male	0.600	No.	478.85	287.31	
3.	Nuts, bolts & chain pully		Lumpsum		400.00							
4.	Sundries		Lumpsum		80.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					5427.42						436.73	

Total of (M) + (L) =	(I)	= `	5864.15	Total = (I) + (II) =	(III)	= `	5944.34
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	586.42
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	59.44	Grand Total	=	(III)+(IV)= `	6530.75
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	20.74	This is cost for	2.00	Nos.	
Total of allowances =	(II)	= `	80.18	Therefore, Unit cost	=		
				6530.75	÷	2.00	=Rs. 3265.38
			Say Rs.	3,265.00	per	each	

Rate Analysis for 1.00 Mtr. of Item:
Providing & fixing m.s. ladder 400mm wide etc.

Corresponding Item No. 15 of Section -XVIII of MbPT SOR 2014
 New Item No. 15 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Steel work in sections including painting (Item No.1a, Section-XI)	0.2381	qntl.	6054.37	1441.55	1.	Fixing charges		Lumpsum		120.00	
2.	Cement concrete (1:2:4) (Item No.6a(ii), Section-IV)	0.09	Cu.M.	9886.00	889.74							
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2351.29	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) = (I) = ` 2471.29

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 16.33

Add: Allowance for Employee' insurance @4.75% of (L) = ` 5.70

Total of allowances = (II) = ` 22.03

Total = (I) + (II) = (III) = ` 2493.32

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 247.13

Grand Total = (III)+(IV)= ` 2740.45

This is cost for 1.00 Mtr.

Therefore, Unit cost = 2740.45 ÷ 1.00 =Rs. 2740.45

Say Rs. 2,740.00 per Mtr.

Rate Analysis for 1.00 No. of Item:
Providing and fixing domestic water meter of approved make with CI external strainer and non-return valve and MCGM tested etc.
(a) 15mm dia.

Corresponding Item No. 16a of Section -XVIII of MbPT SOR 2014
New Item No. 16a of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Domestic water meter 15mm dia.	1.00	No.	1167.80	1167.80	1.	Fixing charges		Lumpsum		60.00	
2.	Strainer-15mm dia.	1.00	No.	206.78	206.78							
3.	Non-return valve-15mm dia.	1.00	No.	233.05	233.05							
4.	Sundries		Lumpsum		30.00							
					TOTAL (M) =Rs.		TOTAL (L) =Rs.				60.00	
					1637.63							

Total of (M) + (L) =	(I)	= `	1697.63	Total = (I) + (II) =	(III)	= `	1708.65
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	169.76
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	1878.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	=		
				1878.41	÷	1.00	=Rs. 1878.41
			Say Rs. 1,878.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing domestic water meter of approved make with CI external strainer and non-return valve and MCGM tested etc.
(b) 20mm dia.

Corresponding Item No. 16b of Section -XVIII of MbPT SOR 2014
New Item No. 16b of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Domestic water meter 20mm dia.	1.00	No.	1904.24	1904.24	1.	Fixing charges		Lumpsum		60.00	
2.	Strainer-20mm dia.	1.00	No.	230.51	230.51							
3.	Non-return valve-20mm dia.	1.00	No.	372.88	372.88							
4.	Sundries		Lumpsum		30.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					2537.63						60.00	

Total of (M) + (L) =	(I)	= `	2597.63	Total = (I) + (II) =	(III)	= `	2608.65
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	259.76
Add: Allowance for PF @13.61% of (L)		= `	8.17	Grand Total	=	(III)+(IV)= `	2868.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2.85	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	11.02	Therefore, Unit cost	2868.41	÷	1.00 =Rs. 2868.41
			Say Rs. 2,868.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing domestic water meter of approved make with CI external strainer and non-return valve and MCGM tested etc.
(c) 25mm dia.

Corresponding Item No. 16c of Section -XVIII of MbPT SOR 2014
New Item No. 16c of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Domestic water meter 25mm dia.	1.00	No.	2964.42	2964.42	1.	Fixing charges		Lumpsum		60.00	
2.	Strainer-25mm dia.	1.00	No.	294.92	294.92							
3.	Non-return valve-25mm dia.	1.00	No.	563.56	563.56							
4.	Sundries		Lumpsum		30.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					3852.89						60.00	

Total of (M) + (L) = (I) = ` 3912.89

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(I) = ` 3912.89
= `
= ` 8.17
= ` 2.85
(II) = ` 11.02

Total = (I) + (II) = (III) = ` 3923.91

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 391.29

Grand Total = (III)+(IV)= ` 4315.20

This is cost for 1.00 No.

Therefore, Unit cost =
4315.20 ÷ 1.00 =Rs. 4315.20

Say Rs. 4,315.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing domestic water meter of approved make with CI external strainer and non-return valve and MCGM tested etc.
(d) 40mm dia.

Corresponding Item No. 16d of Section -XVIII of MbPT SOR 2014
New Item No. 16d of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Domestic water meter 40mm dia.	1.00	No.	7141.55	7141.55	1.	Fixing charges		Lumpsum		90.00	
2.	Strainer-40mm dia.	1.00	No.	413.56	413.56							
3.	Non-return valve-40mm dia.	1.00	No.	1,192.38	1192.38							
4.	Sundries		Lumpsum		40.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8787.48						90.00	

Total of (M) + (L) = (I) = ` 8877.48

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(I) = ` 8877.48

= `

= ` 12.25

= ` 4.28

(II) = ` 16.52

Say Rs. 9,782.00 per each

Total = (I) + (II) = (III) = ` 8894.01

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 887.75

Grand Total = (III)+(IV)= ` 9781.75

This is cost for 1.00 No.

Therefore, Unit cost = 9781.75 ÷ 1.00 =Rs. 9781.75

Rate Analysis for 1.00 No. of Item:
Providing and fixing domestic water meter of approved make with CI external strainer and non-return valve and MCGM tested etc. (e) 50mm dia.

Corresponding Item No. 16e of Section -XVIII of MbPT SOR 2014
 New Item No. 16e of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Domestic water meter 50mm dia.	1.00	No.	9252.57	9252.57	1.	Fixing charges		Lumpsum		90.00	
2.	Strainer-50mm dia.	1.00	No.	668.65	668.65							
3.	Non-return valve-50mm dia.	1.00	No.	1,587.29	1587.29							
4.	Sundries		Lumpsum		40.00							
					TOTAL (M) =Rs.		TOTAL (L) =Rs.				90.00	
					11548.51							

Total of (M) + (L) =	(I)	= `	11638.51	Total = (I) + (II) =	(III)	= `	11655.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1163.85
Add: Allowance for PF @13.61% of (L)		= `	12.25	Grand Total	=	(III)+(IV)= `	12818.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.28	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	16.52	Therefore, Unit cost	=		
				12818.88	÷	1.00	=Rs. 12818.88
			Say Rs. 12,819.00	per each			

Rate Analysis for 1.00 No. of Item:
Extra over rate for providing brick masonry chamber etc. for Item No.16 above.

Corresponding Item No. 17 of Section -XVIII of MbPT SOR 2014
 New Item No. 17 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.C. for foundation(1:3:6) (Item No.2a, Section-IV)	0.13	Cu.M.	4934.47	641.48							
2.	Brick work in CM (1:5) (Item No.2b(i), Section-VI)	0.23	Cu.M.	5392.92	1213.41							
3.	Plaster in CM (1:3) (Item No.5a, Section-IX)	3.24	Sq.M.	573.60	1858.47							
4.	Sundries		Lumpsum		40.00							
					TOTAL (M) =Rs.					TOTAL (L) =Rs.		
					3753.36							

Total of (M) + (L) =	(I)	= `	3753.36	Total = (I) + (II) =	(III)	= `	3753.36
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	375.34
<u>Add:</u> Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	4128.70
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	4128.70	÷	1.00 =Rs. 4128.70
				Say Rs. 4,129.00 per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing approved full flow velocity water meter with CI external strainer etc.
(a) 80mm dia.

Corresponding Item No. 18a of Section -XVIII of MbPT SOR 2014
 New Item No. 18a of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Water meter-80mm dia.	1.00	No.	10061.05	10061.05	1.	Fixing charges		Lumpsum		120.00	
2.	CI Strainer-80mm dia.	1.00	No.	2356.79	2356.79							
3.	Non-return valve-80mm dia. (Item No.8a above)	1.00	No.	3718.90	3718.90							
4.	Sundries		Lumpsum		40.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					16176.73						120.00	

Total of (M) + (L) = (I) = ` 16296.73

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 22.03

Say Rs. 17,948.00 per each

Total = (I) + (II) = (III) = ` 16318.76

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1629.67

Grand Total = (III)+(IV)= ` 17948.44

This is cost for 1.00 No.

Therefore, Unit cost =
 17948.44 ÷ 1.00 =Rs. 17948.44

Rate Analysis for 1.00 No. of Item:
Providing and fixing approved full flow velocity water meter with CI external strainer etc.
(b) 100mm dia.

Corresponding Item No. 18b of Section -XVIII of MbPT SOR 2014
 New Item No. 18b of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Water meter-100mm dia.	1.00	No.	13654.28	13654.28	1.	Fixing charges		Lumpsum		120.00	
2.	CI Strainer-100mm dia.	1.00	No.	3511.03	3511.03							
3.	Non-return valve-100mm dia. (Item No.8b above)	1.00	No.	5243.34	5243.34							
4.	Sundries		Lumpsum		40.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					22448.64						120.00	

Total of (M) + (L) = (I) = ` 22568.64

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 22.03

Say Rs. 24,848.00 per each

Total = (I) + (II) = (III) = ` 22590.67

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2256.86

Grand Total = (III)+(IV)= ` 24847.54

This is cost for 1.00 No.

Therefore, Unit cost =
 24847.54 ÷ 1.00 =Rs. 24847.54

Rate Analysis for 1.00 No. of Item:
Providing and fixing approved full flow velocity water meter with CI external strainer etc.
(c) 150mm dia.

Corresponding Item No. 18c of Section -XVIII of MbPT SOR 2014
 New Item No. 18c of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Water meter-150mm dia.	1.00	No.	17966.15	17966.15	1.	Fixing charges		Lumpsum		120.00	
2.	CI Strainer-150mm dia.	1.00	No.	5867.81	5867.81							
3.	Non-return valve-150mm dia. (Item No.8c above)	1.00	No.	8126.74	8126.74							
4.	Sundries		Lumpsum		40.00							
TOTAL (M) =Rs.					32000.70	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) = (I) = ` 32120.70

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 22.03

Say Rs. 35,355.00 per each

Total = (I) + (II) = (III) = ` 32142.74

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 3212.07

Grand Total = (III)+(IV)= ` 35354.81

This is cost for 1.00 No.

Therefore, Unit cost = 35354.81 ÷ 1.00 =Rs. 35354.81

Rate Analysis for 1.00 No. of Item:
Providing and fixing approved full flow velocity water meter with CI external strainer etc.
(d) 200mm dia.

Corresponding Item No. 18d of Section -XVIII of MbPT SOR 2014
 New Item No. 18d of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Water meter-200mm dia.	1.00	No.	24528.03	24528.03	1.	Fixing charges		Lumpsum		120.00	
2.	CI Strainer-200mm dia.	1.00	No.	10580.54	10580.54							
3.	Non-return valve-200mm dia. (Item No.8d above)	1.00	No.	13572.64	13572.64							
4.	Sundries		Lumpsum		40.00							
TOTAL (M) =Rs.					48721.21	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) = (I) = ` 48841.21

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 22.03

Say Rs. 53,747.00 per each

Total = (I) + (II) = (III) = ` 48863.24

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 4884.12

Grand Total = (III)+(IV)= ` 53747.36

This is cost for 1.00 No.

Therefore, Unit cost =
 53747.36 ÷ 1.00 =Rs. 53747.36

Rate Analysis for 1.00 No. of Item:
Providing and fixing approved full flow velocity water meter with CI external strainer etc.
(e) 250mm dia.

Corresponding Item No. 18e of Section -XVIII of MbPT SOR 2014
 New Item No. 18e of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Water meter-250mm dia.	1.00	No.	39917.91	39917.91	1.	Fixing charges		Lumpsum		120.00	
2.	CI Strainer-250mm dia.	1.00	No.	17794.97	17794.97							
3.	Non-return valve-250mm dia. (Item No.8e above)	1.00	No.	21251.65	21251.65							
4.	Sundries		Lumpsum		40.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					79004.52						120.00	

Total of (M) + (L) =	(I)	= `	79124.52	Total = (I) + (II) =	(III)	= `	79146.56
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	7912.45
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	16.33	Grand Total	=	(III)+(IV)= `	87059.01
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	=		
				87059.01	÷	1.00	=Rs. 87059.01
			Say Rs. 87,059.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing approved full flow velocity water meter with CI external strainer etc.
(f) 300mm dia.

Corresponding Item No. 18f of Section -XVIII of MbPT SOR 2014
 New Item No. 18f of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Water meter-300mm dia.	1.00	No.	67330.70	67330.70	1.	Fixing charges		Lumpsum		120.00	
2.	CI Strainer-300mm dia.	1.00	No.	22604.30	22604.30							
3.	Non-return valve-300mm dia. (Item No.8f above)	1.00	No.	26564.86	26564.86							
4.	Sundries		Lumpsum		40.00							
TOTAL (M) =Rs.					116539.85	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) =	(I)	= `	116659.85	Total = (I) + (II) =	(III)	= `	116681.89
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	11665.99
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	16.33	Grand Total	=	(III)+(IV)= `	128347.87
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	=		
				128347.87	÷	1.00	=Rs. 128347.87
			Say Rs. 128,348.00	per each			

Rate Analysis for 1.00 No. of Item:
Extra over rates for providing brick masonry chamber etc. for Item Nos.18(a),(b)&(c) above

Corresponding Item No. 19 of Section -XVIII of MbPT SOR 2014
 New Item No. 19 of Section -XVIII
 NBO Ref. No.23.63(ii) Page:393 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.C. for foundation(1:3:6) (Item No.2a, Section-IV)	0.21	Cu.M.	4934.47	1036.24							
2.	Brick work in CM (1:5) (Item No.2b(i), Section-VI)	0.88	Cu.M.	5392.92	4745.77							
3.	Plaster in CM (1:3) (Item No.5a, Section-IX)	4.41	Sq.M.	573.60	2529.59							
4.	Sundries		Lumpsum		40.00							
					TOTAL (M) =Rs.					TOTAL (L) =Rs.		
					8351.60							

Total of (M) + (L) =	(I)	= `	8351.60	Total = (I) + (II) =	(III)	= `	8351.60
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	835.16
<u>Add:</u> Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	9186.76
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				9186.76	÷	1.00	=Rs. 9186.76
				Say Rs. 9,187.00	per	each	

Rate Analysis for 1.00 No. of Item:
Extra over rates for providing brick masonry chamber etc. for Item Nos.18(d),(e)&(f) above

Corresponding Item No. 20 of Section -XVIII of MbPT SOR 2014
 New Item No. 20 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.C. for foundation(1:3:6) (Item No.2a, Section-IV)	0.9220	Cu.M.	4934.47	4549.58							
2.	Brick work in CM (1:5) (Item No.2b(i), Section-VI)	1.84	Cu.M.	5392.92	9922.97							
3.	Plaster in CM (1:3) (Item No.5a, Section-IX)	16.05	Sq.M.	573.60	9206.33							
4.	Sundries		Lumpsum		40.00							
TOTAL (M) =Rs.					23718.88	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	23718.88	Total = (I) + (II) =	(III)	= `	23718.88
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	2371.89
<u>Add:</u> Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	26090.77
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	26090.77	÷	1.00 =Rs. 26090.77
				Say Rs. 26,091.00	per	each	

Rate Analysis for 0.40 qntl. of Item:
Extra over rates for providing m.s. frame & cover etc. for Item Nos.17,19 & 20 above

Corresponding Item No. 21 of Section -XVIII of MbPT SOR 2014
 New Item No. 21 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	C.C. for fixing in slab(1:2:4) (Item No.1a(i), Section-IV)	0.150	Cu.M.	5395.52	809.33	1.	Fixing charges for CI frame & cover		Lumpsum		200.00	
2.	Form work (Form work-'B', Section-IV)	0.25	Sq.M.	367.98	91.99							
3.	m.s. Angles-50X50X6 mm	0.1400	qntl.	4,022.05	563.09							
4.	Flats/ plates-6mm thick	0.2600	qntl.	4,583.06	1191.60							
5.	Fabrication	40.00	Kgs.	25.42	1016.95							
6.	Sundries		Lumpsum		100.00							
TOTAL (M) =Rs.					3772.96	TOTAL (L) =Rs.					200.00	

Total of (M) + (L) =	(I)	= `	3972.96	Total = (I) + (II) =	(III)	= `	4009.68
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	397.30
Add: Allowance for PF @13.61% of (L)		= `	27.22	Grand Total	=	(III)+(IV)= `	4406.97
Add: Allowance for Employee' insurance @4.75% of (L)		= `	9.50	This is cost for	0.40	qntl.	
Total of allowances =	(II)	= `	36.72	Therefore, Unit cost	4406.97	÷	0.40 =Rs. 11017.43
			Say Rs. 11,017.00	per	qntl.		

Rate Analysis for 10.00 Nos. of Item:
Removing lead from defective/ leakage joint of pressure CI water mains and cleaning the spigot area of existing pipe to receive new lead in joint etc.

Corresponding Item No. 22 of Section -XVIII of MbPT SOR 2014
 New Item No. 22 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Hiring charges for chiesel, hammer etc.		Lumpsum		50.00	1.	Plumber I	2.00	No.	540.38	1080.76	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	4.00	No.	478.85	1915.40	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					58.00						2996.16	

Total of (M) + (L) =	(I)	= `	3054.16	Total = (I) + (II) =	(III)	= `	3604.25
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	305.42
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	407.78	Grand Total	=	(III)+(IV)= `	3909.67
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	142.32	This is cost for 10.00 Nos.			
Total of allowances =	(II)	= `	550.09	Therefore, Unit cost	=		
				3909.67 ÷ 10.00	=Rs.		390.97
			Say Rs. 391.00	per each			

Rate Analysis for 20.00 Mtrs. of Item:
Dismantling & removing existing CI fresh water pipe including removing lead from joint and taking out pipe from trench etc.
(a) 100 mm dia.

Corresponding Item No. 23a of Section -XVIII of MbPT SOR 2014
 New Item No. 23a of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Hiring charges for wire rope, chain pulley and gas cutter with cylinders etc. for 1 day		Lumpsum		400.00	1.	Plumber III	0.75	No.	498.08	373.56	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	2.40	No.	478.85	1149.24	
TOTAL (M) =Rs.					408.00	TOTAL (L) =Rs.					1522.80	

Total of (M) + (L) =	(I)	= `	1930.80	Total = (I) + (II) =	(III)	= `	2210.39
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	193.08
Add: Allowance for PF @13.61% of (L)		= `	207.25	Grand Total	=	(III)+(IV)= `	2403.47
Add: Allowance for Employee' insurance @4.75% of (L)		= `	72.33	This is cost for	20.00	Mtrs.	
Total of allowances =	(II)	= `	279.59	Therefore, Unit cost	2403.47	÷	20.00 =Rs. 120.17
			Say Rs. 120.00			per Mtr.	

Rate Analysis for 20.00 Mtrs. of Item:
Dismantling & removing existing CI fresh water pipe including removing lead from joint and taking out pipe from trench etc.
(b) 150 mm dia.

Corresponding Item No. 23b of Section -XVIII of MbPT SOR 2014
 New Item No. 23b of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Hiring charges for wire rope, chain pulley and gas cutter with cylinders etc. for 1 day		Lumpsum		400.00	1.	Plumber III	1.00	No.	498.08	498.08	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	3.00	No.	478.85	1436.55	
TOTAL (M) =Rs.					420.00	TOTAL (L) =Rs.					1934.63	

Total of (M) + (L) =	(I)	= `	2354.63	Total = (I) + (II) =	(III)	= `	2709.83
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	235.46
Add: Allowance for PF @13.61% of (L)		= `	263.30	Grand Total	=	(III)+(IV)= `	2945.29
Add: Allowance for Employee' insurance @4.75% of (L)		= `	91.89	This is cost for	20.00	Mtrs.	
Total of allowances =	(II)	= `	355.20	Therefore, Unit cost	2945.29	÷	20.00 =Rs. 147.26
			Say Rs. 147.00			per Mtr.	

Rate Analysis for 20.00 Mtrs. of Item:
Dismantling & removing existing CI fresh water pipe including removing lead from joint and taking out pipe from trench etc.
(c) 250 mm dia.

Corresponding Item No. 23c of Section -XVIII of MbPT SOR 2014
New Item No. 23c of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Hiring charges for wire rope, chain pulley and gas cutter with cylinders etc. for 1 day		Lumpsum		400.00	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Sundries		Lumpsum		30.00	2.	Mazdoor-Male	4.00	No.	478.85	1915.40	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					430.00						2440.40	

Total of (M) + (L) =	(I)	= `	2870.40	Total = (I) + (II) =	(III)	= `	3318.46
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	287.04
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	3605.50
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	20.00	Mtrs.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	3605.50	÷	20.00 =Rs. 180.27
			Say Rs. 180.00			per Mtr.	

Rate Analysis for 5.00 Mtrs. of Item:
Dismantling & removing existing CI fresh water pipe including removing lead from joint and taking out pipe from trench etc.
(d) 300 mm dia.

Corresponding Item No. 23d of Section -XVIII of MbPT SOR 2014
 New Item No. 23d of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Blow lamp & diesel		Lumpsum		80.00	1.	Plumber II	0.25	No.	525.00	131.25	
2.	Sundries		Lumpsum		30.00	2.	Mazdoor-Male	1.50	No.	478.85	718.28	
					TOTAL (M) =Rs.		TOTAL (L) =Rs.					
					110.00						849.53	

Total of (M) + (L) = (I) = ` 959.53

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 155.97

Say Rs. 242.00

Total = (I) + (II) = (III) = ` 1115.50

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 1211.45

This is cost for 5.00 Mtrs.

Therefore, Unit cost = 1211.45 ÷ 5.00 =Rs. 242.29

per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering/ laying in trenches in line and level Ductile iron fresh water pipe line K9 grade as per IS:8329 with spigot and socket ends for push up joints etc.
(a) 100 mm dia.

Corresponding Item No. 24a of Section -XVIII of MbPT SOR 2014
New Item No. 24a of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ductile iron pipe-100m dia. (Weight=2.05 qntls. For 10.00 Mtrs.)	10.00	Mtrs.	1068.65	10686.47		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		20.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		20.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	2.050	qntl.	=	326.24	
TOTAL (M) =Rs.					10726.47	TOTAL (L) =Rs.					326.24	

Total of (M) + (L) =	(I)	= `	11052.71	Total = (I) + (II) =	(III)	= `	11112.61
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1105.27
Add: Allowance for PF @13.61% of (L)		= `	44.40	Grand Total	=	(III)+(IV)= `	12217.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	15.50	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	59.90	Therefore, Unit cost	12217.88	÷	10.00 =Rs. 1221.79
			Say Rs. 1,222.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering/ laying in trenches in line and level Ductile iron fresh water pipe line K9 grade as per IS:8329 with spigot and socket ends for push up joints etc.
(b) 150 mm dia.

Corresponding Item No. 24b of Section -XVIII of MbPT SOR 2014
New Item No. 24b of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ductile iron pipe-150m dia. (Weight=3.33 qntls. For 10.00 Mtrs.)	10.00	Mtrs.	1500.00	15000.04		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		20.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		30.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	3.330	qntl.	=	529.94	
TOTAL (M) =Rs.					15050.04	TOTAL (L) =Rs.					529.94	

Total of (M) + (L) =	(I)	= `	15579.98	Total = (I) + (II) =	(III)	= `	15677.28
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1558.00
Add: Allowance for PF @13.61% of (L)		= `	72.12	Grand Total	=	(III)+(IV)= `	17235.28
Add: Allowance for Employee' insurance @4.75% of (L)		= `	25.17	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	97.30	Therefore, Unit cost	=		
				17235.28	÷	10.00	=Rs. 1723.53
			Say Rs. 1,724.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering/ laying in trenches in line and level Ductile iron fresh water pipe line K9 grade as per IS:8329 with spigot and socket ends for push up joints etc.
(c) 200 mm dia.

Corresponding Item No. 24c of Section -XVIII of MbPT SOR 2014
New Item No. 24c of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ductile iron pipe-200m dia. (Weight=4.86 qntls. For 10.00 Mtrs.)	10.00	Mtrs.	1954.24	19542.43		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		20.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		40.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	4.860	qntl.	=	773.43	
TOTAL (M) =Rs.					19602.43	TOTAL (L) =Rs.					773.43	

Total of (M) + (L) =	(I)	= `	20375.85	Total = (I) + (II) =	(III)	= `	20517.85
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2037.59
Add: Allowance for PF @13.61% of (L)		= `	105.26	Grand Total	=	(III)+(IV)= `	22555.44
Add: Allowance for Employee' insurance @4.75% of (L)		= `	36.74	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	142.00	Therefore, Unit cost	22555.44	÷	10.00 =Rs. 2255.54
			Say Rs. 2,256.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering/ laying in trenches in line and level Ductile iron fresh water pipe line K9 grade as per IS:8329 with spigot and socket ends for push up joints etc.
(d) 250 mm dia.

Corresponding Item No. 24d of Section -XVIII of MbPT SOR 2014
New Item No. 24d of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ductile iron pipe-250m dia. (Weight=6.56 qntls. For 10.00 Mtrs.)	10.00	Mtrs.	2627.97	26279.73		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		20.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		40.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	6.560	qntl.	=	1043.97	
TOTAL (M) =Rs.					26339.73	TOTAL (L) =Rs.					1043.97	

Total of (M) + (L) =	(I)	= `	27383.70	Total = (I) + (II) =	(III)	= `	27575.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2738.37
Add: Allowance for PF @13.61% of (L)		= `	142.08	Grand Total	=	(III)+(IV)= `	30313.74
Add: Allowance for Employee' insurance @4.75% of (L)		= `	49.59	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	191.67	Therefore, Unit cost	30313.74	÷	10.00 =Rs. 3031.37
			Say Rs. 3,031.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and lowering/ laying in trenches in line and level Ductile iron fresh water pipe line K9 grade as per IS:8329 with spigot and socket ends for push up joints etc.
(e) 300 mm dia.

Corresponding Item No. 24e of Section -XVIII of MbPT SOR 2014
 New Item No. 24e of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Ductile iron pipe-300m dia. (Weight=8.47 qntls. For 10.00 Mtrs.)	10.00	Mtrs.	3323.74	33237.38		Labour cost for	5.140	qntls.:			
2.	Carriage		Lumpsum		30.00	1.	Plumber I	0.170	No.	540.38	91.86	
3.	Sundries		Lumpsum		40.00	2.	Plumber II	0.170	No.	525.00	89.25	
						3.	Mazdoor-Male	1.330	No.	478.85	636.87	
							Total =				817.99	
							Labour cost for	1.000	qntl.	=	159.14	
							Labour cost for	8.470	qntl.	=	1347.92	
					TOTAL (M) =Rs.		TOTAL (L) =Rs.				1347.92	

Total of (M) + (L) = (I) = ` 34655.31

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= ` 247.48

Say Rs.

Total = (I) + (II) = (III) = ` 34902.79

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 38368.32

This is cost for 10.00 Mtrs.

Therefore, Unit cost = 38368.32 ÷ 10.00 =Rs. 3836.83

per Mtr.

3,837.00

Rate Analysis for 15.00 Nos. of Item:
Providing and fixing EPDM push on joint rubber gasket lubricant to gasket and contacted surface of pipe and fix the pipe use of fork or rack and lever machine etc.
(a) 100 mm dia. pipe

Corresponding Item No. 25a of Section -XVIII of MbPT SOR 2014
 New Item No. 25a of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	EPDM push on gasket for 100mm dia.	15.00	Nos.	41.5255	622.88	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					630.88						1003.85	

Total of (M) + (L) = (I) = ` 1634.73

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 136.62

Add: Allowance for Employee' insurance @4.75% of (L) = ` 47.68

Total of allowances = (II) = ` 184.31

Total = (I) + (II) = (III) = ` 1819.04

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 163.47

Grand Total = (III)+(IV)= ` 1982.51

This is cost for 15.00 Nos.

Therefore, Unit cost =
 1982.51 ÷ 15.00 =Rs. 132.17

Say Rs. 132.00 per each

Rate Analysis for 15.00 Nos. of Item:
Providing and fixing EPDM push on joint rubber gasket lubricant to gasket and contacted surface of pipe and fix the pipe use of fork or rack and lever machine etc.
(b) 150 mm dia. pipe

Corresponding Item No. 25b of Section -XVIII of MbPT SOR 2014
 New Item No. 25b of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	EPDM push on gasket for 150mm dia.	15.00	Nos.	61.8646	927.97	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					935.97						1003.85	

Total of (M) + (L) =	(I)	= `	1939.82	Total = (I) + (II) =	(III)	= `	2124.13
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	193.98
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	2318.11
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for 15.00 Nos.			
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				2318.11 ÷ 15.00	=Rs.		154.54
			Say Rs. 155.00	per each			

Rate Analysis for 13.00 Nos. of Item:
Providing and fixing EPDM push on joint rubber gasket lubricant to gasket and contacted surface of pipe and fix the pipe use of fork or rack and lever machine etc.
(c) 200 mm dia. pipe

Corresponding Item No. 25c of Section -XVIII of MbPT SOR 2014
New Item No. 25c of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	EPDM push on gasket for 200mm dia.	13.00	Nos.	81.3562	1057.63	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					1077.63						1003.85	

Total of (M) + (L) = (I) = ` 2081.48

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 136.62

Add: Allowance for Employee' insurance @4.75% of (L) = ` 47.68

Total of allowances = (II) = ` 184.31

Say Rs. 190.00 per each

Total = (I) + (II) = (III) = ` 2265.79

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 208.15

Grand Total = (III)+(IV)= ` 2473.93

This is cost for 13.00 Nos.

Therefore, Unit cost = 2473.93 ÷ 13.00 =Rs. 190.30

Rate Analysis for 13.00 Nos. of Item:
Providing and fixing EPDM push on joint rubber gasket lubricant to gasket and contacted surface of pipe and fix the pipe use of fork or rack and lever machine etc.
(d) 250 mm dia. pipe

Corresponding Item No. 25d of Section -XVIII of MbPT SOR 2014
New Item No. 25d of Section -XVIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	EPDM push on gasket for 250mm dia.	13.00	Nos.	121.1868	1575.43	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
TOTAL (M) =Rs.					1595.43	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	2599.28	Total = (I) + (II) =	(III)	= `	2783.59
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	259.93
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	3043.51
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	13.00	Nos.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				3043.51	÷	13.00	=Rs. 234.12
			Say Rs. 234.00	per each			

Rate Analysis for 15.00 Nos. of Item:
Providing and fixing EPDM push on joint rubber gasket lubricant to gasket and contacted surface of pipe and fix the pipe use of fork or rack and lever machine etc.
(e) 300 mm dia. pipe

Corresponding Item No. 25e of Section -XVIII of MbPT SOR 2014
 New Item No. 25e of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	EPDM push on gasket for 300mm dia.	15.00	Nos.	148.31	2224.58	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Sundries		Lumpsum		30.00	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					2254.58						1482.70	

Total of (M) + (L) =	(I)	= `	3737.28	Total = (I) + (II) =	(III)	= `	4009.51
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	373.73
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	201.80	Grand Total	=	(III)+(IV)= `	4383.23
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	70.43	This is cost for 15.00 Nos.			
Total of allowances =	(II)	= `	272.22	Therefore, Unit cost	=		
				4383.23 ÷ 15.00	=Rs.		292.22
			Say Rs. 292.00	per each			

Rate Analysis for 3.00 Nos. of Item:
Removing existing strainer from water main and providing and fixing new strainer of approved make for fresh water line etc.
(a) 80 mm dia.

Corresponding Item No. 26a of Section -XVIII of MbPT SOR 2014
 New Item No. 26a of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI Strainer-80mm dia.	3.00	Nos.	2356.79	7070.36	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Carriage & fixtures@1%				70.70	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					7149.06						1003.85	

Total of (M) + (L) =	(I)	= `	8152.91	Total = (I) + (II) =	(III)	= `	8337.22
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	815.29
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	9152.51
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	3.00	Nos.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				9152.51	÷	3.00	=Rs. 3050.84
			Say Rs.	3,051.00	per	each	

Rate Analysis for 3.00 Nos. of Item:
Removing existing strainer from water main and providing and fixing new strainer of approved make for fresh water line etc.
(b) 100 mm dia.

Corresponding Item No. 26b of Section -XVIII of MbPT SOR 2014
 New Item No. 26b of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI Strainer-100mm dia.	3.00	Nos.	3511.03	10533.08	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Carriage & fixtures@1%				105.33	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					10646.41						1003.85	

Total of (M) + (L) =	(I)	= `	11650.26	Total = (I) + (II) =	(III)	= `	11834.57
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	1165.03
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	12999.59
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	3.00	Nos.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				12999.59	÷	3.00	=Rs. 4333.20
			Say Rs.	4,333.00	per	each	

Rate Analysis for 3.00 Nos. of Item:
Removing existing strainer from water main and providing and fixing new strainer of approved make for fresh water line etc.
(c) 150 mm dia.

Corresponding Item No. 26c of Section -XVIII of MbPT SOR 2014
 New Item No. 26c of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI Strainer-150mm dia.	3.00	Nos.	5867.81	17603.44	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Carriage & fixtures@1%				176.03	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
3.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					17787.47						1482.70	

Total of (M) + (L) =	(I)	= `	19270.17	Total = (I) + (II) =	(III)	= `	19542.40
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1927.02
Add: Allowance for PF @13.61% of (L)		= `	201.80	Grand Total	=	(III)+(IV)= `	21469.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	70.43	This is cost for	3.00	Nos.	
Total of allowances =	(II)	= `	272.22	Therefore, Unit cost	=		
				21469.41	÷	3.00	=Rs. 7156.47
			Say Rs.	7,156.00	per	each	

Rate Analysis for 3.00 Nos. of Item:
Removing existing strainer from water main and providing and fixing new strainer of approved make for fresh water line etc.
(d) 200 mm dia.

Corresponding Item No. 26d of Section -XVIII of MbPT SOR 2014
 New Item No. 26d of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI Strainer-200mm dia.	3.00	Nos.	10580.54	31741.61	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Carriage & fixtures@1%				317.42	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					32079.03	TOTAL (L) =Rs.					1482.70	

Total of (M) + (L) =	(I)	= `	33561.73	Total = (I) + (II) =	(III)	= `	33833.95
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	3356.17
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	201.80	Grand Total	=	(III)+(IV)= `	37190.13
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	70.43	This is cost for	3.00	Nos.	
Total of allowances =	(II)	= `	272.22	Therefore, Unit cost	=		
				37190.13	÷	3.00	=Rs. 12396.71
			Say Rs. 12,397.00	per each			

Rate Analysis for 3.00 Nos. of Item:
Removing existing strainer from water main and providing and fixing new strainer of approved make for fresh water line etc.
(e) 250 mm dia.

Corresponding Item No. 26e of Section -XVIII of MbPT SOR 2014
 New Item No. 26e of Section -XVIII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI Strainer-250mm dia.	3.00	Nos.	17794.97	53384.90	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Carriage & fixtures@1%				533.85	2.	Mazdoor-Male	3.00	No.	478.85	1436.55	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					53938.74	TOTAL (L) =Rs.					1961.55	

Total of (M) + (L) = (I) = ` 55900.29

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 360.14

Say Rs. 20,617.00 per each

Total = (I) + (II) = (III) = ` 56260.43

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 5590.03

Grand Total = (III)+(IV)= ` 61850.46

This is cost for 3.00 Nos.

Therefore, Unit cost =
 61850.46 ÷ 3.00 =Rs. 20616.82

Rate Analysis for 3.00 Nos. of Item:
Removing existing strainer from water main and providing and fixing new strainer of approved make for fresh water line etc.
(f) 300 mm dia.

Corresponding Item No. 26f of Section -XVIII of MbPT SOR 2014
 New Item No. 26f of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI Strainer-300mm dia.	3.00	Nos.	22604.30	67812.90	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Carriage & fixtures@1%				678.13	2.	Mazdoor-Male	3.00	No.	478.85	1436.55	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					68511.03	TOTAL (L) =Rs.					1961.55	

Total of (M) + (L) =	(I)	= `	70472.58	Total = (I) + (II) =	(III)	= `	70832.72
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	7047.26
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	266.97	Grand Total	=	(III)+(IV)= `	77879.98
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	93.17	This is cost for	3.00	Nos.	
Total of allowances =	(II)	= `	360.14	Therefore, Unit cost	=		
				77879.98	÷	3.00	=Rs. 25959.99
			Say Rs. 25,960.00	per each			

Rate Analysis for 20.00 Mtrs. of Item:
Removing 300mm dia. flanged vertical CI pipeline including steel scaffolding etc.

Corresponding Item No. 27 of Section -XVIII of MbPT SOR 2014
 New Item No. 27 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Steel scaffolding	120.00	Sq.M.	94.92	11389.86	1.	Plumber III	6.00	No.	498.08	2988.48	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	12.00	No.	478.85	5746.20	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					11409.86						8734.68	

Total of (M) + (L) =	(I)	= `	20144.54	Total = (I) + (II) =	(III)	= `	21748.23
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2014.45
Add: Allowance for PF @13.61% of (L)		= `	1188.79	Grand Total	=	(III)+(IV)= `	23762.68
Add: Allowance for Employee' insurance @4.75% of (L)		= `	414.90	This is cost for	20.00	Mtrs.	
Total of allowances =	(II)	= `	1603.69	Therefore, Unit cost	=		
				23762.68	÷	20.00	=Rs. 1188.13
			Say Rs.	1,188.00	per	Mtr.	

Rate Analysis for 20.00 Mtrs. of Item:
Re-fixing 300mm dia. flanged CI pipeline including scaffolding, nut bolts, rubber packing etc.

Corresponding Item No. 28 of Section -XVIII of MbPT SOR 2014
 New Item No. 28 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Steel scaffolding	120.00	Sq.M.	94.92	11389.86	1.	Plumber III	6.00	No.	498.08	2988.48	
2.	Nut bolts, chain pully etc.		Lumpsum		1250.00	2.	Mazdoor-Male	12.00	No.	478.85	5746.20	
3.	Rubber packing		Lumpsum		1250.00							
4.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					13909.86						8734.68	

Total of (M) + (L) =	(I)	= `	22644.54	Total = (I) + (II) =	(III)	= `	24248.23
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	2264.45
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	1188.79	Grand Total	=	(III)+(IV)= `	26512.68
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	414.90	This is cost for	20.00	Mtrs.	
Total of allowances =	(II)	= `	1603.69	Therefore, Unit cost	=		
				26512.68	÷	20.00	=Rs. 1325.63
			Say Rs.	1,326.00	per	Mtr.	

Rate Analysis for 5.00 Nos. of Item:
Providing and fixing 80mm CI flanges by welding to GI pipes including making holes etc.

Corresponding Item No. 29 of Section -XVIII of MbPT SOR 2014
 New Item No. 29 of Section -XVIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	CI Flanges-80mm dia.	5.00	Nos.	374.47	1872.34	1.	Plumber II	0.50	No.	525.00	262.50	
2.	Nut bolts etc.		Lumpsum		700.00	2.	Welder	0.50	No.	525.00	262.50	
3.	Rubber packing		Lumpsum		400.00	3.	Mazdoor-Male	1.00	No.	478.85	478.85	
4.	Welding set		Lumpsum		150.00							
5.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					3142.34						1003.85	

Total of (M) + (L) =	(I)	= `	4146.19	Total = (I) + (II) =	(III)	= `	4330.49
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	414.62
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	4745.11
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				4745.11	÷	5.00	=Rs. 949.02
			Say Rs. 949.00	per each			

Rate Analysis for 1.00 No. of Item:
Removing CI sluice valve/ non-return valve 300mm dia. re-fixing the same etc.

Corresponding Item No. 30 of Section -XVIII of MbPT SOR 2014
 New Item No. 30 of Section -XVIII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Nut bolts etc.		Lumpsum		600.00	1.	Plumber III	2.00	No.	498.08	996.16	
2.	Rubber packing		Lumpsum		300.00	2.	Mazdoor-Male	6.00	No.	478.85	2873.10	
3.	Grease, cotton, scrapping		Lumpsum		200.00							
4.	Painting		Lumpsum		50.00							
5.	Sundries		Lumpsum		20.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					1170.00						3869.26	

Total of (M) + (L) =	(I)	= `	5039.26	Total = (I) + (II) =	(III)	= `	5749.66
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	503.93
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	526.61	Grand Total	=	(III)+(IV)= `	6253.58
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	183.79	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	710.40	Therefore, Unit cost	=		
				6253.58	÷	1.00	=Rs. 6253.58
			Say Rs. 6,254.00	per each			

Rate Analysis for 1.00 Cut of Item:
Cutting of existing 100mm dia. CI water pipe line using hacksaw etc.

Corresponding Item No. 31 of Section -XVIII of MbPT SOR 2014
 New Item No. 31 of Section -XVIII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Hack-saw blade	1.00	No.	432.20	432.20	1.	Plumber II	0.25	No.	525.00	131.25	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	0.25	No.	478.85	119.71	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					440.20						250.96	

Total of (M) + (L) =	(I)	= `	691.17	Total = (I) + (II) =	(III)	= `	737.24
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	69.12
Add: Allowance for PF @13.61% of (L)		= `	34.16	Grand Total	=	(III)+(IV)= `	806.36
Add: Allowance for Employee' insurance @4.75% of (L)		= `	11.92	This is cost for	1.00	Cut	
Total of allowances =	(II)	= `	46.08	Therefore, Unit cost	=		
				806.36	÷	1.00	=Rs. 806.36
			Say Rs. 806.00	per each cut to pipe line			

Rate Analysis for 2.00 Nos. of Item:
Removing and re-fixing 300mm dia. blank flanges including new rubber packing and new nut bolts etc.

Corresponding Item No. 32 of Section -XVIII of MbPT SOR 2014
 New Item No. 32 of Section -XVIII
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate in Rs.	Amount in Rs.	
1.	Nut bolts etc.		Lumpsum		400.00	1.	Plumber III	1.00	No.	498.08	498.08	
2.	Rubber packing		Lumpsum		300.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					708.00						976.93	

Total of (M) + (L) =	(I)	= `	1684.93	Total = (I) + (II) =	(III)	= `	1864.29
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	168.49
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	132.96	Grand Total	=	(III)+(IV)= `	2032.79
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	46.40	This is cost for 2.00 Nos.			
Total of allowances =	(II)	= `	179.36	Therefore, Unit cost	=		
				2032.79 ÷ 2.00	=Rs.	1016.39	
			Say Rs.	1,016.00	per	each	

XIX - Water Storage Tanks

Sr. No.	Item Description	Rate in `	Unit
1	Supplying, fabricating and erecting m.s. plate welded water storage tanks of 5 mm thick plate with m.s. angle stays and mosquito-proof CI hinged frame and cover 475 mm dia. with locking arrangement, holes for inlet, outlet and interconnections, necessary length of GI pipe with drain plug, one coat of anti-corrosive paint & two coats of tank mastic bituminous paint internally and two coats of synthetic enamel paint over a coat of zinc chromate (yellow) primer externally including hoisting upto a height of 10 Metres above ground level etc. complete as directed.		
	(a) 1.25X1.25X1.25 Mtrs. deep tanks	33,711.00	Each
	(b) 2.50X1.25X1.25 Mtrs. deep tanks	52,396.00	Each
	(c) 2.50X2.50X1.25 Mtrs. deep tanks	81,303.00	Each
	(d) 3.75X1.25X1.25 Mtrs. deep tanks	71,417.00	Each
	(e) 3.75X2.50X1.25 Mtrs. deep tanks	110,508.00	Each
2	Extra over rate for Item No.1 above for hoisting tanks to a height of more than 10 Mtrs. above ground level, for every additional height of 5 Mtrs. or part thereof in excess of 10 Mtrs. etc. complete as directed.		
	(a) 1.25X1.25X1.25 Mtrs. deep tanks	2,907.00	Each
	(b) 2.50X1.25X1.25 Mtrs. deep tanks	4,623.00	Each
	(c) 2.50X2.50X1.25 Mtrs. deep tanks	7,257.00	Each
	(d) 3.75X1.25X1.25 Mtrs. deep tanks	6,331.00	Each
	(e) 3.75X2.50X1.25 Mtrs. deep tanks	9,927.00	Each
3	Supplying, fabricating and delivering at site the components of pressed steel tanks of 5 mm thick m.s. plates with flanges including m.s. screwed pads for inlets, outlets, interconnections & drains, overflows, CI hinged frame & cover 475 mm dia. having locking arrangement etc. complete as directed.		
	(a) 1.25X1.25X1.25 Mtrs. deep tanks	58,082.00	Each
	(b) 2.50X1.25X1.25 Mtrs. deep tanks	94,592.00	Each
	(c) 2.50X2.50X1.25 Mtrs. deep tanks	142,180.00	Each
	(d) 3.75X1.25X1.25 Mtrs. deep tanks	126,098.00	Each
	(e) 3.75X2.50X1.25 Mtrs. deep tanks	178,679.00	Each

XIX - Water Storage Tanks

Sr. No.	Item Description	Rate in `	Unit
4	Hoisting upto 10 Mtrs. height and assembling the components of pressed steel plate tanks including providing necessary hoisting gear etc. complete as directed.		
	(a) 1.25X1.25X1.25 Mtrs. deep tanks	2,907.00	Each
	(b) 2.50X1.25X1.25 Mtrs. deep tanks	4,623.00	Each
	(c) 2.50X2.50X1.25 Mtrs. deep tanks	7,257.00	Each
	(d) 3.75X1.25X1.25 Mtrs. deep tanks	6,331.00	Each
	(e) 3.75X2.50X1.25 Mtrs. deep tanks	9,927.00	Each
5	Providing, fabricating and fixing 475 mm dia. CI frame and 900X600 mm m.s. plate to RCC hume pipe tank as per existing pattern including nut bolts, hinges etc. fixing the frame in cement concrete (1:1.5:3) finishing in CM (1:3), coal tarring to the surface of the frame in contact with the concrete and anti-corrosive zinc chromate (yellow) primer one coat and two coats of approved synthetic enamel paint to all other exposed surfaces etc. complete as directed (frames and covers should be as per requirement of MCGM pest control department).	2,985.00	Each
6	Providing and fixing CI mosquito-proof hinged circular frame and cover with locking arrangements etc. complete as directed.		
	(a) 475 mm dia.	1,577.00	Each
	(b) 525 mm dia.	1,950.00	Each
	(c) 600 mm dia.	2,603.00	Each
7	Providing and fixing PVC mosquito-proof coupling for vent pipe of underground or overhead water storage tank as per requirement of MCGM pest control department complete as directed.		
	(a) 40 mm dia.	71.00	Each
	(b) 50 mm dia.	94.00	Each
8	Providing and fixing mosquito-proof netting and m.s. flange to existing 150 mm dia. over-flow pipe of underground water storage tank as per requirement of MCGM pest control department complete as directed.	222.00	Each

XIX - Water Storage Tanks

Sr. No.	Item Description	Rate in `	Unit
9	Providing and fixing 525 mm dia. CI mosquito-proof hinged circular cover for RCC/ hume pipe tank including locking arrangement including painting, finishing the surface, filling the gap with cement concrete (1:1.5:3) and finishing the surface in CM (1:3), coal tarring the surface of frame in contact with cement concrete, remaining surface shall be painted with one coat of zinc Chromate (yellow) primer and two coats of synthetic enamel paint and making them air tight and mosquito-proof etc. complete as directed (MCGM approved cover).	1,739.00	Each
10	Providing and fixing CI mosquito-proof hinged circular cover for RCC/ hume pipe tank including locking arrangement including painting, finishing the surface, filling the gap with cement concrete (1:1.5:3) and finishing the surface in CM (1:3), coal tarring the surface of frame in contact with cement concrete, remaining surface shall be painted with one coat of zinc Chromate (yellow) primer and two coats of synthetic enamel paint and making them air tight and mosquito-proof etc. complete as directed (the cover shall be approved by MCGM).		
	(a) 475 mm dia.	1,459.00	Each
	(b) 600 mm dia.	2,228.00	Each
11	Providing and fixing m.s./ CI circular frame for existing CI mosquito-proof hinged circular cover for RCC/ hume pipe tank including locking arrangement including painting, finishing the surface, filling the gap with cement concrete (1:1.5:3) and finishing the surface in CM (1:3), coal tarring the surface of frame in contact with cement concrete, remaining surface shall be painted with one coat of zinc Chromate (yellow) primer and two coats of synthetic enamel paint and making them air tight and mosquito-proof etc. complete as directed (the cover shall be approved by MCGM).		
	(a) 475 mm dia.	1,292.00	Each
	(b) 525 mm dia.	1,441.00	Each
	(c) 600 mm dia.	1,702.00	Each

XIX - Water Storage Tanks

Sr. No.	Item Description	Rate in `	Unit
12	Providing and fixing at any height HDPE black coloured ISI marked approved overhead water storage tank having CI mosquito-proof frame and cover, making connection for inlet and outlet, 40 mm dia. medium class GI pipe 1 Mtr. long over-flow pipe with PVC mosquito-proof coupling and 15 mm dia. medium class GI pipe on outlet with mosquito-proof coupling etc. with painting to GI pipes etc. complete as directed.	9.44	Lit.
13	Making holes to the RCC water storage tank including fixing inlet/ outlet pipe and reinstating the same including curing etc. complete as directed.	1,439.00	Each
14	Removing carefully old or abandoned m.s./ hume pipe water storage tank upto 5000 litres capacity from terrace of the building and stacking the same as directed etc. complete.	2,410.00	Each

Rate Analysis for 1.00 No. of Item:
Supplying, fabricating & erecting m.s. plate welded water storage tank with 5mm thick plate, m.s. angle stays with mosquito-proof m.s. cover 475mm dia. etc.
(a) Size 1.25X1.25X1.25 Mtrs.

Corresponding Item No. 1a of Section -XIX of MbPT SOR 2014
 New Item No. 1a of Section -XIX
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. plate-5mm thick	4.05	qntl.	4582.22	18557.98	1.	Fitter II	0.20	No.	525.00	105.00	
2.	Welding	4.05	qntl.	1949.16	7894.09	2.	Plumber II	0.20	No.	525.00	105.00	
3.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	3.	Mazdoor-Male	0.40	No.	478.85	191.54	
4.	m.s. cover-475mm	1.00	No.	1271.19	1271.19							
5.	Drain plugs	2.00	Nos.	79.69	159.39							
6.	Mastic bitumen paint (internal)	9.38	Sq.M.	40.33	378.27							
7.	Carriage		Lumpsum		30.00							
8.	Sundries@1%		Lumpsum		284.43							
TOTAL (M) =Rs.					28727.89	TOTAL (L) =Rs.					401.54	

Total of (M) + (L) = (I) = ` 29129.43
Add: Allowance for Water charges @1% of (I) = ` 291.29
Add: Allowance for PF @13.61% of (L) = ` 54.65
Add: Allowance for Employee' insurance @4.75% of (L) = ` 19.07
 Total of allowances = (II) = ` 73.72

*Cost of painting: 9.380 Sq.M. 170.00 1594.60 (Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 29203.15
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2912.94
Add: Cost for painting*: (V)=Rs. 1594.60
 Grand Total = (III)+(IV)+(V) =Rs. 33710.70

This is cost for 1.00 No.
 Therefore, Unit cost =
 33710.70 ÷ 1.00 =Rs. 33710.70

Say Rs. 33711.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying, fabricating & erecting m.s. plate welded water storage tank with 5mm thick plate, m.s. angle stays with mosquito-proof m.s. cover 475mm dia. etc.
(b) Size 1.25X2.50X1.25 Mtrs.

Corresponding Item No. 1b of Section -XIX of MbPT SOR 2014
New Item No. 1b of Section -XIX
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. plate-5mm thick	6.44	qntl.	4582.22	29509.47	1.	Fitter II	0.20	No.	525.00	105.00	
2.	Welding	6.44	qntl.	1949.16	12552.58	2.	Plumber II	0.20	No.	525.00	105.00	
3.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	3.	Mazdoor-Male	0.40	No.	478.85	191.54	
4.	m.s. cover-475mm	1.00	No.	1271.19	1271.19							
5.	Drain plugs	2.00	Nos.	79.69	159.39							
6.	Mastic bitumen paint (internal)	15.63	Sq.M.	40.33	630.31							
7.	Carriage		Lumpsum		30.00							
8.	Sundries@1%		Lumpsum		443.05							
TOTAL (M) =Rs.					44748.54	TOTAL (L) =Rs.					401.54	

Total of (M) + (L) = (I) = ` 45150.08
Add: Allowance for Water charges @1% of (I) = ` 451.50
Add: Allowance for PF @13.61% of (L) = ` 54.65
Add: Allowance for Employee' insurance @4.75% of (L) = ` 19.07
Total of allowances = (II) = ` 73.72

*Cost of painting: 15.63 Sq.M. 170.00 2657.10
(Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 45223.80
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 4515.01
Add: Cost for painting*: (V)=Rs. 2657.10
Grand Total = (III)+(IV)+(V) =Rs. 52395.91

This is cost for 1.00 No.

Therefore, Unit cost =
52395.91 ÷ 1.00 =Rs. 52395.91

Say Rs. 52396.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying, fabricating & erecting m.s. plate welded water storage tank with 5mm thick plate, m.s. angle stays with mosquito-proof m.s. cover 475mm dia. etc.
(c) Size 2.50X2.50X1.25 Mtrs.

Corresponding Item No. 1c of Section -XIX of MbPT SOR 2014
 New Item No. 1c of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	m.s. plate-5mm thick	10.11	qntl.	4582.22	46326.21	1.	Fitter II	0.30	No.	525.00	157.50	
2.	Welding	10.11	qntl.	1949.16	19705.99	2.	Plumber II	0.40	No.	525.00	210.00	
3.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	3.	Mazdoor-Male	0.50	No.	478.85	239.43	
4.	m.s. cover-475mm	1.00	No.	1271.19	1271.19							
5.	Drain plugs	2.00	Nos.	79.69	159.39							
6.	Mastic bitumen paint (internal)	25.00	Sq.M.	40.33	1008.18							
7.	Carriage		Lumpsum		30.00							
8.	Sundries@1%		Lumpsum		686.53							
TOTAL (M) =Rs.					69340.03	TOTAL (L) =Rs.					606.93	

Total of (M) + (L) = (I) = ` 69946.96
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 82.60
Add: Allowance for Employee' insurance @4.75% of (L) = ` 28.83
 Total of allowances = (II) = ` 111.43

*Cost of painting: 25.00 Sq.M. 170.00 4250.00 (Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 70058.39
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 6994.70
Add: Cost for painting*: (V)=Rs. 4250.00
 Grand Total = (III)+(IV)+(V) =Rs. 81303.08

This is cost for 1.00 No.
 Therefore, Unit cost =
 81303.08 ÷ 1.00 =Rs. 81303.08

Say Rs. 81303.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying, fabricating & erecting m.s. plate welded water storage tank with 5mm thick plate, m.s. angle stays with mosquito-proof m.s. cover 475mm dia. etc.
(d) Size 1.25X3.75X1.25 Mtrs.

Corresponding Item No. 1d of Section -XIX of MbPT SOR 2014
 New Item No. 1d of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. plate-5mm thick	8.84	qntl.	4582.22	40506.79	1.	Fitter II	0.30	No.	525.00	157.50	
2.	Welding	8.84	qntl.	1949.16	17230.56	2.	Plumber II	0.40	No.	525.00	210.00	
3.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	3.	Mazdoor-Male	0.50	No.	478.85	239.43	
4.	m.s. cover-475mm	1.00	No.	1271.19	1271.19							
5.	Drain plugs	2.00	Nos.	79.69	159.39							
6.	Mastic bitumen paint (internal)	21.88	Sq.M.	40.33	882.36							
7.	Carriage		Lumpsum		30.00							
8.	Sundries@1%		Lumpsum		602.33							
TOTAL (M) =Rs.					60835.16	TOTAL (L) =Rs.					606.93	

Total of (M) + (L) = (I) = ` 61442.08
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 82.60
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 28.83
 Total of allowances = (II) = ` 111.43

*Cost of painting: 21.88 Sq.M. 170.00 3719.60
 (Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 61553.51
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 6144.21
 Add: Cost for painting*: (V)=Rs. 3719.60
 (External)
 Grand Total = (III)+(IV)+(V) =Rs. 71417.32

This is cost for 1.00 No.

Therefore, Unit cost =

71417.32 ÷ 1.00 =Rs. 71417.32

Say Rs. 71417.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying, fabricating & erecting m.s. plate welded water storage tank with 5mm thick plate, m.s. angle stays with mosquito-proof m.s. cover 475mm dia. etc.
(e) Size 2.50X3.75X1.25 Mtrs.

Corresponding Item No. 1e of Section -XIX of MbPT SOR 2014
 New Item No. 1e of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. plate-5mm thick	13.83	qntl.	4582.22	63372.05	1.	Fitter II	0.40	No.	525.00	210.00	
2.	Welding	13.83	qntl.	1949.16	26956.86	2.	Plumber II	0.50	No.	525.00	262.50	
3.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	3.	Mazdoor-Male	0.60	No.	478.85	287.31	
4.	m.s. cover-475mm	1.00	No.	1271.19	1271.19							
5.	Drain plugs	2.00	Nos.	79.69	159.39							
6.	Mastic bitumen paint (internal)	34.38	Sq.M.	40.33	1386.45							
7.	Carriage		Lumpsum		30.00							
8.	Sundries@1%		Lumpsum		933.28							
TOTAL (M) =Rs.					94261.76	TOTAL (L) =Rs.					759.81	

Total of (M) + (L) = (I) = ` 95021.57
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 103.41
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 36.09
 Total of allowances = (II) = ` 139.50

*Cost of painting: 34.38 Sq.M. 170.00 5844.60
 (Item No.8, Section-X)

Total = (I) + (II) = (III) = ` 95161.07
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 9502.16
 Add: Cost for painting*: (V)=Rs. 5844.60
 Grand Total = (III)+(IV)+(V) =Rs. 110507.83

This is cost for 1.00 No.

Therefore, Unit cost =
 110507.83 ÷ 1.00 =Rs. 110507.83

Say Rs. 110508.00 per each

Rate Analysis for 1.00 No. of Item:
Extra over rates for hoisting tanks to a height of more than 10 Mtrs. above GL for every additional height of 5 Mtrs. etc. for Item No.1 above
(a) For tank size 1.25X1.25X1.25 Mtrs.

Corresponding Item No. 2a of Section -XIX of MbPT SOR 2014
 New Item No. 2a of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	4.05	qntl.	593.22	2402.55							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		240.25							
TOTAL (M) =Rs.					2642.80	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 2642.80 Total = (I) + (II) = (III) = ` 2642.80

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 264.28

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 2907.08

Add: Allowance for Employee' insurance @4.75% of (L) = ` This is cost for 1.00 No.

Therefore, Unit cost =
 2907.08 ÷ 1.00 =Rs. 2907.08

Total of allowances = (II) = `

Say Rs. 2907.00 per each

Rate Analysis for 1.00 No. of Item:
Extra over rates for hoisting tanks to a height of more than 10 Mtrs. above GL for every additional height of 5 Mtrs. etc. for Item No.1 above (b) 1.25X2.50X1.25 Mtrs.

Corresponding Item No. 2b of Section -XIX of MbPT SOR 2014
 New Item No. 2b of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	6.44	qntl.	593.22	3820.35							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		382.03							
TOTAL (M) =Rs.					4202.38	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 4202.38 Total = (I) + (II) = (III) = ` 4202.38

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 420.24

Add: Allowance for PF @13.61% of (L) = ` Grand Total = (III)+(IV)= ` 4622.62

Add: Allowance for Employee' insurance @4.75% of (L) = ` This is cost for 1.00 No.

Therefore, Unit cost =
 4622.62 ÷ 1.00 =Rs. 4622.62

Total of allowances = (II) = `

Say Rs. 4623.00 per each

Rate Analysis for 1.00 No. of Item:
Extra over rates for hoisting tanks to a height of more than 10 Mtrs. above GL for every additional height of 5 Mtrs. etc. for Item No.1 above (c) 2.50X2.50X1.25 Mtrs.

Corresponding Item No. 2c of Section -XIX of MbPT SOR 2014
 New Item No. 2c of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	10.11	qntl.	593.22	5997.47							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		599.75							
TOTAL (M) =Rs.					6597.22	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	6597.22	Total = (I) + (II) =	(III)	= `	6597.22
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	659.72
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	7256.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for 1.00 No.			
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				7256.94 ÷ 1.00		=Rs.	7256.94
Say Rs. 7257.00				per each			

Rate Analysis for 1.00 No. of Item:
Extra over rates for hoisting tanks to a height of more than 10 Mtrs. above GL for every additional height of 5 Mtrs. etc. for Item No.1 above (d) 1.25X3.75X1.25 Mtrs.

Corresponding Item No. 2d of Section -XIX of MbPT SOR 2014
 New Item No. 2d of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	8.82	qntl.	593.22	5232.22							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		523.22							
TOTAL (M) =Rs.					5755.44	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5755.44	Total = (I) + (II) =	(III)	= `	5755.44
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	575.54
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	6330.98
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for 1.00 No.			
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				6330.98 ÷ 1.00		=Rs.	6330.98
Say Rs. 6331.00				per each			

Rate Analysis for 1.00 No. of Item:
Extra over rates for hoisting tanks to a height of more than 10 Mtrs. above GL for every additional height of 5 Mtrs. etc. for Item No.1 above (e) 3.75X2.50X1.25 Mtrs.

Corresponding Item No. 2e of Section -XIX of MbPT SOR 2014
 New Item No. 2e of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	13.83	qntl.	593.22	8204.26							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		820.43							
TOTAL (M) =Rs.					9024.69	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	9024.69	Total = (I) + (II) =	(III)	= `	9024.69
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	902.47
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		= (III)+(IV)= `	9927.15
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for 1.00 No.			
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				9927.15 ÷ 1.00		=Rs.	9927.15
Say Rs. 9927.00				per each			

Rate Analysis for 1.00 No. of Item:
Suppling, fabricating and delivering at site for components of pressed steel tank of 5 mm thick
m.s. plate etc.
(a) 1.25X1.25X1.25 Mtrs.

Corresponding Item No. 3a of Section -XIX of MbPT SOR 2014
New Item No. 3a of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pressed steel tank plate-5mm thick	1.00	No.	46376.32	46376.32	1.	Fitter I	2.00	No.	540.38	1080.76	
2.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	2.	Plumber II	0.20	No.	525.00	105.00	
3.	m.s. cover-475mm	1.00	No.	1271.19	1271.19	3.	Mazdoor-Male	2.00	No.	478.85	957.70	
4.	Drain plugs	2.00	Nos.	79.69	159.39							
5.	Mastic bitumen paint (internal)	9.38	Sq.M.	40.33	378.27							
6.	Carriage		Lumpsum		30.00							
7.	Sundries@1%		Lumpsum		483.68							
TOTAL (M) =Rs.					48851.38	TOTAL (L) =Rs.					2143.46	

Total of (M) + (L) = (I) = ` 50994.84
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 291.72
Add: Allowance for Employee' insurance @4.75% of (L) = ` 101.81
Total of allowances = (II) = ` 393.54

Total = (I) + (II) = (III) = ` 51388.38
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 5099.48
Add: Cost for painting*: (V)=Rs. 1594.60
Grand Total = (III)+(IV)+(V) =Rs. 58082.47

*Cost of painting: 9.380 Sq.M. 170.00 1594.60
(Item No.8, Section-X)

This is cost for 1.00 No.

Therefore, Unit cost =
58082.47 ÷ 1.00 =Rs. 58082.47

Say Rs. 58082.00 per each

Rate Analysis for 1.00 No. of Item:

**Suppling, fabricating and delivering at site for components of pressed steel tank of 5 mm thick m.s. plate etc.
(b) 2.50X1.25X1.25 Mtrs.**

Corresponding Item No. 3b of Section -XIX of MbPT SOR 2014
New Item No. 3b of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pressed steel tank plate-5mm thick	1.00	No.	76852.18	76852.18	1.	Fitter I	3.00	No.	540.38	1621.14	
2.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	2.	Plumber II	0.20	No.	525.00	105.00	
3.	m.s. cover-475mm	1.00	No.	1271.19	1271.19	3.	Mazdoor-Male	3.00	No.	478.85	1436.55	
4.	Drain plugs	2.00	Nos.	79.69	159.39							
5.	Mastic bitumen paint (internal)	15.63	Sq.M.	40.33	630.31							
6.	Carriage		Lumpsum		30.00							
7.	Sundries@1%		Lumpsum		790.96							
TOTAL (M) =Rs.					79886.57	TOTAL (L) =Rs.					3162.69	

Total of (M) + (L) = (I) = ` 83049.26
Add: Allowance for Water charges @1% of (I) = ` 830.49
Add: Allowance for PF @13.61% of (L) = ` 1106.14
Add: Allowance for Employee' insurance @4.75% of (L) = ` 1106.14
Total of allowances = (II) = ` 580.67

Total = (I) + (II) = (III) = ` 83629.93
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 8304.93
Add: Cost for painting*: (V)=Rs. 2657.10
(External)
Grand Total = (III)+(IV)+(V) =Rs. 94591.96

*Cost of painting: 15.63 Sq.M. 170.00 2657.10
(Item No.8, Section-X)

This is cost for 1.00 No.

Therefore, Unit cost =
94591.96 ÷ 1.00 =Rs. 94591.96

Say Rs. 94592.00 per each

Rate Analysis for 1.00 No. of Item:

Suppling, fabricating and delivering at site for components of pressed steel tank of 5 mm thick m.s. plate etc.

(c) 2.50X2.50X1.25 Mtrs.

Corresponding Item No. 3c of Section -XIX of MbPT SOR 2014
New Item No. 3c of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pressed steel tank plate-5mm thick	1.00	No.	116603.31	116603.31	1.	Fitter I	3.00	No.	540.38	1621.14	
2.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	2.	Plumber II	0.20	No.	525.00	105.00	
3.	m.s. cover-475mm	2.00	Nos.	1271.19	2542.38	3.	Mazdoor-Male	3.00	No.	478.85	1436.55	
4.	Drain plugs	2.00	Nos.	79.69	159.39							
5.	Mastic bitumen paint (internal)	25.00	Sq.M.	40.33	1008.18							
6.	Carriage		Lumpsum		30.00							
7.	Sundries@1%		Lumpsum		1204.96							
TOTAL (M) =Rs.					121700.76	TOTAL (L) =Rs.					3162.69	

Total of (M) + (L) = (I) = ` 124863.45
Add: Allowance for Water charges @1% of (I) = ` 124863.45
Add: Allowance for PF @13.61% of (L) = ` 430.44
Add: Allowance for Employee' insurance @4.75% of (L) = ` 150.23

Total = (I) + (II) = (III) = ` 125444.12
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 12486.34
Add: Cost for painting*: (V)=Rs. 4250.00
(External)

Total of allowances = (II) = ` 580.67

*Cost of painting: 25.00 Sq.M. 170.00 4250.00 (Item No.8, Section-X)

Grand Total = (III)+(IV)+(V) =Rs. 142180.46

This is cost for 1.00 No.

Therefore, Unit cost =
142180.46 ÷ 1.00 =Rs. 142180.46

Say Rs. 142180.00 per each

Rate Analysis for 1.00 No. of Item:

Suppling, fabricating and delivering at site for components of pressed steel tank of 5 mm thick m.s. plate etc.

(d) 3.75X1.25X1.25 Mtrs.

Corresponding Item No. 3d of Section -XIX of MbPT SOR 2014
New Item No. 3d of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pressed steel tank plate-5mm thick	1.00	No.	103352.93	103352.93	1.	Fitter I	3.50	No.	540.38	1891.33	
2.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	2.	Plumber II	0.30	No.	525.00	157.50	
3.	m.s. cover-475mm	1.00	No.	1271.19	1271.19	3.	Mazdoor-Male	3.50	No.	478.85	1675.98	
4.	Drain plugs	2.00	Nos.	79.69	159.39							
5.	Mastic bitumen paint (internal)	21.88	Sq.M.	40.33	882.36							
6.	Carriage		Lumpsum		30.00							
7.	Sundries@1%		Lumpsum		1058.48							
TOTAL (M) =Rs.					106906.90	TOTAL (L) =Rs.					3724.81	

Total of (M) + (L) = (I) = ` 110631.70
Add: Allowance for Water charges @1% of (I) = ` 1106.32
Add: Allowance for PF @13.61% of (L) = ` 506.95
Add: Allowance for Employee' = ` 176.93

Total = (I) + (II) = (III) = ` 111315.58
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 11063.17
Add: Cost for painting*: (V)=Rs. 3719.60

insurance @4.75% of (L)
Total of allowances = (II) = ` 683.87

*Cost of painting: 21.88 Sq.M. 170.00 3719.60
(Item No.8, Section-X)

(External)
Grand Total = (III)+(IV)+(V) =Rs. 126098.35

This is cost for 1.00 No.

Therefore, Unit cost =
126098.35 ÷ 1.00 =Rs. 126098.35

Say Rs. 126098.00 per each

Rate Analysis for 1.00 No. of Item:

**Suppling, fabricating and delivering at site for components of pressed steel tank of 5 mm thick
m.s. plate etc.
(e) 3.75X2.50X1.25 Mtrs.**

Corresponding Item No. 3e of Section -XIX of MbPT SOR 2014
New Item No. 3e of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pressed steel tank plate-5mm thick	1.00	No.	145754.14	145754.14	1.	Fitter I	4.50	No.	540.38	2431.71	
2.	GI pipe 'C' class-25mm	1.00	Mtr.	152.54	152.54	2.	Plumber II	0.40	No.	525.00	210.00	
3.	m.s. cover-475mm	2.00	Nos.	1271.19	2542.38	3.	Mazdoor-Male	4.50	No.	478.85	2154.83	
4.	Drain plugs	2.00	Nos.	79.69	159.39							
5.	Mastic bitumen paint (internal)	34.38	Sq.M.	40.33	1386.45							
6.	Carriage		Lumpsum		30.00							
7.	Sundries@1%		Lumpsum		1500.25							
TOTAL (M) =Rs.					151525.15	TOTAL (L) =Rs.					4796.54	

Total of (M) + (L) = (I) = ` 156321.68
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 652.81

Total = (I) + (II) = (III) = ` 157202.33
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 15632.17

Add: Allowance for Employee' insurance @4.75% of (L) = ` 227.84
Total of allowances = (II) = ` 880.64

*Cost of painting: 34.38 Sq.M. 170.00 5844.60
(Item No.8, Section-X)

Add: Cost for painting*: (V)=Rs. 5844.60
(External)
Grand Total = (III)+(IV)+(V) =Rs. 178679.09

This is cost for 1.00 No.

Therefore, Unit cost =
178679.09 ÷ 1.00 =Rs. 178679.09

Say Rs. 178679.00 per each

Rate Analysis for 1.00 No. of Item:

Hoisting upto 10 Mtrs. height assembling the components of pressed steel tank etc.

(a) 1.25X1.25X1.25 Mtrs.

Corresponding Item No. 4a of Section -XIX of MbPT SOR 2014
New Item No. 4a of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	4.05	qntl.	593.22	2402.55							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		240.25							
TOTAL (M) =Rs.					2642.80	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 2642.80 Total = (I) + (II) = (III) = ` 2642.80

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 264.28

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 2907.08

This is cost for 1.00 No.

Add: Allowance for Employee' insurance @4.75% of (L) = `

Therefore, Unit cost =
2907.08 ÷ 1.00 =Rs. 2907.08

Total of allowances = (II) = `

Say Rs. 2907.00 per each

Rate Analysis for 1.00 No. of Item:

Hoisting upto 10 Mtrs. height assembling the components of pressed steel tank etc.

(b) 2.50X1.25X1.25 Mtrs.

Corresponding Item No. 4b of Section -XIX of MbPT SOR 2014
New Item No. 4b of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	6.44	qntl.	593.22	3820.35							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		382.03							
TOTAL (M) =Rs.					4202.38	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 4202.38 Total = (I) + (II) = (III) = ` 4202.38

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 420.24

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 4622.62

This is cost for 1.00 No.

Add: Allowance for Employee' insurance @4.75% of (L) = `

Therefore, Unit cost =
4622.62 ÷ 1.00 =Rs. 4622.62

Total of allowances = (II) = `

Say Rs. 4623.00 per each

Rate Analysis for 1.00 No. of Item:

Hoisting upto 10 Mtrs. height assembling the components of pressed steel tank etc.

(c) 2.50X2.50X1.25 Mtrs.

Corresponding Item No. 4c of Section -XIX of MbPT SOR 2014
New Item No. 4c of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	10.11	qntl.	593.22	5997.47							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		599.75							
TOTAL (M) =Rs.					6597.22	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 6597.22 Total = (I) + (II) = (III) = ` 6597.22

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 659.72

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 7256.94

This is cost for 1.00 No.

Add: Allowance for Employee' insurance @4.75% of (L) = `

Therefore, Unit cost =
7256.94 ÷ 1.00 =Rs. 7256.94

Total of allowances = (II) = `

Say Rs. 7257.00 per each

Rate Analysis for 1.00 No. of Item:

Hoisting upto 10 Mtrs. height assembling the components of pressed steel tank etc.

(d) 3.25X1.25X1.25 Mtrs.

Corresponding Item No. 4d of Section -XIX of MbPT SOR 2014
New Item No. 4d of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	8.82	qntl.	593.22	5232.22							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		523.22							
TOTAL (M) =Rs.					5755.44	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 5755.44 Total = (I) + (II) = (III) = ` 5755.44

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 575.54

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 6330.98

This is cost for 1.00 No.

Add: Allowance for Employee' insurance @4.75% of (L) = `

Therefore, Unit cost =
6330.98 ÷ 1.00 =Rs. 6330.98

Total of allowances = (II) = `

Say Rs. 6331.00 per each

Rate Analysis for 1.00 No. of Item:

Hoisting upto 10 Mtrs. height assembling the components of pressed steel tank etc.

(e) 3.75X2.50X1.25 Mtrs.

Corresponding Item No. 4e of Section -XIX of MbPT SOR 2014
New Item No. 4e of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hoisting charges	13.83	qntl.	593.22	8204.26							
2.	Sundries including hire charges for material such as gadam, roap etc.@10%		Lumpsum		820.43							
TOTAL (M) =Rs.					9024.69	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 9024.69 Total = (I) + (II) = (III) = ` 9024.69

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 902.47

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 9927.15

This is cost for 1.00 No.

Add: Allowance for Employee' insurance @4.75% of (L)

= `

Therefore, Unit cost
9927.15

=

÷ 1.00

=Rs.

9927.15

Total of allowances =

(II)

= `

Say Rs.

9927.00

per each

Rate Analysis for 1.00 No. of Item:

Providing, fabricating and fixing 475mm dia. CI frame and 900X600mm m.s. plate to RCC hume pipe tank as per existing pattern including nuts and bolts hinges etc. fixing the frame in cement concrete (1:1.5:3) finishing in C M (1:3) etc.

Corresponding Item No. 5

of Section -XIX

of MbPT SOR 2014

New Item No. 5

of Section -XIX

NBO Ref. No. . Page:

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. plate-5mm thick	0.14	qntl.	4582.22	641.51	1.	Fitter II	0.25	No.	525.00	131.25	
2.	CI frame & cover 475mm dia.	1.00	No.	1461.87	1461.87	2.	Mason I	0.25	No.	540.38	135.10	
3.	Sundries incl. concreting		Lumpsum		20.00	3.	Mazdoor-Male	0.50	No.	478.85	239.43	
TOTAL (M) =Rs.					2123.38	TOTAL (L) =Rs.					505.77	

Total of (M) + (L) =

(I)

= `

2629.15

Total = (I) + (II) =

(III)

= `

2722.01

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= `

262.91

Add: Allowance for PF @13.61% of (L)

= `

68.84

Grand Total

=

(III)+(IV)= `

2984.92

Add: Allowance for Employee' insurance @4.75% of (L) = ` 24.02 This is cost for 1.00 No.
 Therefore, Unit cost = 2984.92 ÷ 1.00 =Rs. 2984.92
 Total of allowances = (II) = ` 92.86 **Say Rs. 2985.00 per each**

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI mosquito-proof hinged circular frame and cover with locking arrangement etc.
(a) 475mm dia.

Corresponding Item No. 6a of Section -XIX of MbPT SOR 2014
 New Item No. 6a of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Mosquito-proof hinged circular frame & cover with locking arrangement-475mm dia.	1.00	No.	1271.19	1271.19	1.	Fitter II	0.20	No.	525.00	105.00	
2.	Sundries		Lumpsum		40.00							
TOTAL (M) =Rs.					1311.19	TOTAL (L) =Rs.					105.00	

Total of (M) + (L) = (I) = ` 1416.19 Total = (I) + (II) = (III) = ` 1435.47
 Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 141.62
 Add: Allowance for PF @13.61% of (L) = ` 14.29 Grand Total = (III)+(IV)= ` 1577.09

Add: Allowance for Employee' insurance @4.75% of (L) = ` 4.99
 Total of allowances = (II) = ` 19.28
 Therefore, Unit cost = 1577.09 ÷ 1.00 =Rs. 1577.09
Say Rs. 1577.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI mosquito-proof hinged circular frame and cover with locking arrangement etc.
(b) 525mm dia.

Corresponding Item No. 6b of Section -XIX of MbPT SOR 2014
 New Item No. 6b of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Mosquito-proof hinged circular frame & cover with locking arrangement-525mm dia.	1.00	No.	1610.17	1610.17	1.	Fitter II	0.20	No.	525.00	105.00	
2.	Sundries		Lumpsum		40.00							
TOTAL (M) =Rs.					1650.17	TOTAL (L) =Rs.					105.00	

Total of (M) + (L) = (I) = ` 1755.17
 Add: Allowance for Water charges @1% of (I) = ` 17.55
 Add: Allowance for PF @13.61% of (L) = ` 14.29
 Total = (I) + (II) = (III) = ` 1774.45
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 175.52
 Grand Total = (III)+(IV)= ` 1949.97

Add: Allowance for Employee' insurance @4.75% of (L) = ` 4.99
 This is cost for 1.00 No.
 Therefore, Unit cost =
 1949.97 ÷ 1.00 =Rs. 1949.97
 Total of allowances = (II) = ` 19.28
Say Rs. 1950.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI mosquito-proof hinged circular frame and cover with locking arrangement etc.
(c) 600mm dia.

Corresponding Item No. 6c of Section -XIX of MbPT SOR 2014
 New Item No. 6c of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Mosquito-proof hinged circular frame & cover with locking arrangement-600mm dia.	1.00	No.	2203.40	2203.40	1.	Fitter II	0.20	No.	525.00	105.00	
2.	Sundries		Lumpsum		40.00							
TOTAL (M) =Rs.					2243.40	TOTAL (L) =Rs.					105.00	

Total of (M) + (L) = (I) = ` 2348.40
 Add: Allowance for Water charges @1% of (I) = ` 23.48
 Add: Allowance for PF @13.61% of (L) = ` 14.29
 Total = (I) + (II) = (III) = ` 2367.67
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 234.84
 Grand Total = (III)+(IV)= ` 2602.51

Add: Allowance for Employee' insurance @4.75% of (L) = ` 4.99

This is cost for 1.00 No.

Therefore, Unit cost = 2602.51 ÷ 1.00 =Rs. 2602.51

Total of allowances = (II) = ` 19.28

Say Rs. 2603.00 per each

Rate Analysis for 25.00 Nos. of Item:

Providing and fixing PVC mosquito-proof coupling for vent pipe of underground or overhead water storage tank as per requirement of MCGM pest control department etc.

(a) 40mm dia.

Corresponding Item No. 7a of Section -XIX of MbPT SOR 2014

New Item No. 7a of Section -XIX

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	PVC Mosquito-proof coupling-40mm dia.	25.00	Nos.	16.95	423.73	1.	Plumber I	1.00	No.	540.38	540.38	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
TOTAL (M) =Rs.					431.73	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) = (I) = ` 1450.96

Total = (I) + (II) = (III) = ` 1638.09

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 145.10

Add: Allowance for PF @13.61% of (L) = ` 138.72

Grand Total = (III)+(IV)= ` 1783.19

This is cost for 25.00 Nos.

Add: Allowance for Employee' = ` 48.41

insurance @4.75% of (L)

Therefore, Unit cost

Total of allowances =

(II)

= `

187.13

Say Rs.

71.00

per each

1783.19

÷

25.0

=Rs.

71.33

Rate Analysis for 25.00 Nos. of Item:

**Providing and fixing PVC mosquito-proof coupling for vent pipe of underground or overhead water storage tank as per requirement of MCGM pest control department etc.
(a) 50mm dia.**

Corresponding Item No. 7b

of Section -XIX

of MbPT SOR 2014

New Item No. 7b

of Section -XIX

NBO Ref. No. . Page:

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	PVC Mosquito-proof coupling-50mm dia.	25.00	Nos.	37.29	932.21	1.	Plumber I	1.00	No.	540.38	540.38	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
TOTAL (M) =Rs.					940.21	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) =

(I)

= `

1959.44

Total = (I) + (II) =

(III)

= `

2146.57

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= `

195.94

Add: Allowance for PF @13.61% of (L)

= `

138.72

Grand Total

=

(III)+(IV)= `

2342.51

Add: Allowance for Employee'

= `

48.41

This is cost for 25.00 Nos.

insurance @4.75% of (L)

Therefore, Unit cost

Total of allowances =

(II)

= `

187.13

Say Rs.

94.00

per each

2342.51

÷

25.0

=Rs.

93.70

Rate Analysis for 10.00 Nos. of Item:

Providing and fixing mosquito-proof netting and m.s. flange to existing 150mm dia. overflow pipe of underground storage water tank as per requirement of MCGM pest control department etc.

Corresponding Item No. 8

of Section -XIX

of MbPT SOR 2014

New Item No. 8

of Section -XIX

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	GI Mesh	0.314	Sq.M.	720.34	226.19	1.	Fitter II	1.00	No.	525.00	525.00	
2.	m.s. circular flange and bolts	10.00	Nos.	61.02	610.17	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					844.36	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =

(I)

= `

1848.21

Total = (I) + (II) =

(III)

= `

2032.52

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= `

184.82

Add: Allowance for PF @13.61% of (L)

= `

136.62

Grand Total

=

(III)+(IV)=

2217.34

Add: Allowance for Employee'

= `

47.68

This is cost for 10.00 Nos.

insurance @4.75% of (L)

Therefore, Unit cost

Total of allowances =

(II)

= `

184.31

Say Rs.

222.00

per each

2217.34

÷

10.0

=Rs.

221.73

Rate Analysis for 1.00 No. of Item:

Providing and fixing 525mm dia. CI mosquito-proof hinged circular cover for RCC humepipe tank including nuts, bolts, hinges etc. fixing in cement concrete (1:1.5:3) finishing in CM (1:3) etc.

Corresponding Item No. 9

of Section -XIX

of MbPT SOR 2014

New Item No. 9

of Section -XIX

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI cover-525mm dia.	1.000	No.	1207.63	1207.63	1.	Fitter II	0.25	No.	525.00	131.25	
2.	Sundries incl. nuts, bolts, hinges etc.		Lumpsum		80.00	2.	Mazdoor-Male	0.25	No.	478.85	119.71	
TOTAL (M) =Rs.					1287.63	TOTAL (L) =Rs.					250.96	

Total of (M) + (L) =

(I)

= `

1538.59

Total = (I) + (II) =

(III)

= `

1584.67

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= `

153.86

Add: Allowance for PF @13.61% of (L)

= `

34.16

Grand Total

=

(III)+(IV)= `

1738.53

Add: Allowance for Employee' insurance @4.75% of (L)

= `

11.92

This is cost for 1.00 No.

Therefore, Unit cost

=

Total of allowances = (II) = ` 46.08 1738.53 ÷ 1.00 =Rs. 1738.53
Say Rs. 1739.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI mosquito-proof hinged circular cover for RCC/ hume pipe tank including locking arrangement on existing frame including painting finishing the surface filling the gap in cement concrete (1:1.5:3) and finishing the surface in CM (1:3) etc.
(a) 475mm dia.

Corresponding Item No. 10a of Section -XIX of MbPT SOR 2014
 New Item No. 10a of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	CI cover-475mm dia.	1.000	No.	953.39	953.39	1.	Fitter II	0.25	No.	525.00	131.25	
2.	Sundries incl.cement concrete & cement mortar etc.		Lumpsum		80.00	2.	Mazdoor-Male	0.25	No.	478.85	119.71	
TOTAL (M) =Rs.					1033.39	TOTAL (L) =Rs.					250.96	

Total of (M) + (L) = (I) = ` 1284.36 Total = (I) + (II) = (III) = ` 1330.43

Add: Allowance for Water charges @1% of (I) = ` **Add:** Contractor's over-heads & profit @10% of (I) (IV) = ` 128.44

Add: Allowance for PF @13.61% of (L) = ` 34.16 **Grand Total** = (III)+(IV)= ` 1458.87

This is cost for 1.00 No.

Add: Allowance for Employee' insurance @4.75% of (L) = ` 11.92

Therefore, Unit cost = 1458.87 ÷ 1.00 =Rs. 1458.87

Total of allowances = (II) = ` 46.08

Say Rs. 1459.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI mosquito-proof hinged circular cover for RCC/ hume pipe tank including locking arrangement on existing frame including painting finishing the surface filling the gap in cement concrete (1:1.5:3) and finishing the surface in CM (1:3) etc.
(b) 600mm dia.

Corresponding Item No. 10b of Section -XIX of MbPT SOR 2014
 New Item No. 10b of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI cover-600mm dia.	1.000	No.	1652.55	1652.55	1.	Fitter II	0.25	No.	525.00	131.25	
2.	Sundries incl.cement concrete & cement mortar etc.		Lumpsum		80.00	2.	Mazdoor-Male	0.25	No.	478.85	119.71	
TOTAL (M) =Rs.					1732.55	TOTAL (L) =Rs.					250.96	

Total of (M) + (L) = (I) = ` 1983.51 Total = (I) + (II) = (III) = ` 2029.59

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 198.35

Add: Allowance for PF @13.61% of (L) = ` 34.16 Grand Total = (III)+(IV)= ` 2227.94

This is cost for 1.00 No.

Add: Allowance for Employee' insurance @4.75% of (L) = ` 11.92

Therefore, Unit cost = 2227.94 ÷ 1.00 =Rs. 2227.94

Total of allowances = (II) = ` 46.08

Say Rs. 2228.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing m.s./ CI circular frame for existing CI mosquito-proof hinged circular cover for RCC/ humepipe tank, cement concrete (1:1.5:3) and finishing the surface in CM (1:3) etc.
(a) 475mm dia.

Corresponding Item No. 11a of Section -XIX of MbPT SOR 2014
 New Item No. 11a of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI frame-475mm dia.	1.000	No.	508.48	508.48	1.	Fitter II	0.25	No.	525.00	131.25	
2.	Sundries incl.cement concrete & cement mortar etc.		Lumpsum		80.00	2.	Mason II	0.25	No.	525.00	131.25	
						3.	Mazdoor-Male	0.50	No.	478.85	239.43	
TOTAL (M) =Rs.					588.48	TOTAL (L) =Rs.					501.93	

Total of (M) + (L) = (I) = ` 1090.40

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 68.31

Add: Allowance for Employee' = ` 23.84

Total = (I) + (II) = (III) = ` 1182.55

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 109.04

Grand Total = (III)+(IV)= ` 1291.59

This is cost for 1.00 No.

insurance @4.75% of (L)

Therefore, Unit cost

Total of allowances =

(II)

= `

92.15

Say Rs.

1292.00

per each

1291.59

÷

1.00

=Rs.

1291.59

Rate Analysis for 1.00 No. of Item:

**Providing and fixing m.s./ CI circular frame for existing CI mosquito-proof hinged circular cover for RCC/ humepipe tank, cement concrete (1:1.5:3) and finishing the surface in CM (1:3) etc.
(b) 525mm dia.**

Corresponding Item No. 11b

of Section -XIX

of MbPT SOR 2014

New Item No. 11b

of Section -XIX

NBO Ref. No. . Page:

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI frame-525mm dia.	1.000	No.	644.07	644.07	1.	Fitter II	0.25	No.	525.00	131.25	
2.	Sundries incl.cement concrete & cement mortar etc.		Lumpsum		80.00	2.	Mason II	0.25	No.	525.00	131.25	
						3.	Mazdoor-Male	0.50	No.	478.85	239.43	
TOTAL (M) =Rs.					724.07	TOTAL (L) =Rs.					501.93	

Total of (M) + (L) =

(I)

= `

1225.99

Total = (I) + (II) =

(III)

= `

1318.15

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= `

122.60

Add: Allowance for PF @13.61% of (L)

= `

68.31

Grand Total

=

(III)+(IV)=

1440.75

Add: Allowance for Employee'

= `

23.84

This is cost for

1.00

No.

insurance @4.75% of (L)

Therefore, Unit cost

Total of allowances =

(II)

= `

92.15

Say Rs.

1441.00

per each

1440.75

÷

1.00

=Rs.

1440.75

Rate Analysis for 1.00 No. of Item:

**Providing and fixing m.s./ CI circular frame for existing CI mosquito-proof hinged circular cover for RCC/ humepipe tank, cement concrete (1:1.5:3) and finishing the surface in CM (1:3) etc.
(c) 600mm dia.**

Corresponding Item No. 11c

of Section -XIX

of MbPT SOR 2014

New Item No. 11c

of Section -XIX

NBO Ref. No. . Page:

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI frame-600mm dia.	1.000	No.	881.36	881.36	1.	Fitter II	0.25	No.	525.00	131.25	
2.	Sundries incl.cement concrete & cement mortar etc.		Lumpsum		80.00	2.	Mason II	0.25	No.	525.00	131.25	
						3.	Mazdoor-Male	0.50	No.	478.85	239.43	
TOTAL (M) =Rs.					961.36	TOTAL (L) =Rs.					501.93	

Total of (M) + (L) =

(I)

= `

1463.28

Total = (I) + (II) =

(III)

= `

1555.44

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= `

146.33

Add: Allowance for PF @13.61% of (L)

= `

68.31

Grand Total

=

(III)+(IV)=

1701.77

Add: Allowance for Employee'

= `

23.84

This is cost for

1.00

No.

insurance @4.75% of (L)

Therefore, Unit cost

Total of allowances =

(II)

= `

92.15

Say Rs.

1702.00

per each

1701.77

÷ 1.00

=Rs.

1701.77

Rate Analysis for 4000 Lits. of Item:

Providing and fixing at any height HDPE black colour ISI marked approved overhead water storage tank, medium class GI pipe 1 Mtr. long over-flow pipe with PVC mosquito-proof coupling, having CI mosquito-proof frame and cover, making connection etc.

Corresponding Item No. 12

of Section -XIX

of MbPT SOR 2014

New Item No. 12

of Section -XIX

NBO Ref. No. . Page:

Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	HDPE overhead tank	4000	Lits.	7.63	30508.56	1.	Plumber I	1.00	No.	540.38	540.38	
2.	GI pipe-40mm dia.	1.00	Mtr.	151.70	151.70	2.	Mazdoor-Male	3.00	No.	478.85	1436.55	
3.	GI pipe-15mm dia.	1.80	Mtrs.	70.34	126.61							
4.	CI cover-500mm dia.	1.00	No.	889.83	889.83							
5.	Mosquito-proof coupling (Plastic)	1.00	No.	23.73	23.73							
6.	Painting to pipes		Lumpsum		250.00							
7.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					32030.43	TOTAL (L) =Rs.					1976.93	

Total of (M) + (L) =

(I)

= `

34007.36

Total = (I) + (II) =

(III)

= `

34370.32

Add: Allowance for Water charges @1% of (I)

= `

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= `

3400.74

Add: Allowance for PF @13.61% of (L) = ` 269.06 Grand Total = (III)+(IV)= ` 37771.06

Add: Allowance for Employee' insurance @4.75% of (L) = ` 93.90 This is cost for 4000 Lits.

Therefore, Unit cost = 37771.06 ÷ 4000 =Rs. 9.44

Total of allowances = (II) = ` 362.96 **Say Rs. 9.44 per Lit.**

Rate Analysis for 2.00 Nos. of Item:
Making holes to the RCC water tank including fixing inlet or outlet pipe and reinstating the same including curing etc.

Corresponding Item No. 13 of Section -XIX of MbPT SOR 2014
 New Item No. 13 of Section -XIX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement concrete (Item No.11a(i), Section-V)	0.010	Cu.M.	6009.63	60.10	1.	Plumber II	1.00	No.	525.00	525.00	
2.	Cement plaster (Item No.6a, Section-IX)	1.000	Sq.M.	575.40	575.40	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
3.	Sundries		Lumpsum		250.00							
TOTAL (M) =Rs.					885.50	TOTAL (L) =Rs.					1482.70	

Total of (M) + (L) = (I) = ` 2368.20 Total = (I) + (II) = (III) = ` 2640.42

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 236.82

Add: Allowance for PF @13.61% of (L) = ` 201.80 Grand Total = (III)+(IV)= ` 2877.24

This is cost for 2.00 Nos.

Add: Allowance for Employee' insurance @4.75% of (L) = ` 70.43

Therefore, Unit cost = 2877.24 ÷ 2.00 =Rs. 1438.62

Total of allowances = (II) = ` 272.22

Say Rs. 1439.00 per each

Rate Analysis for 1.00 No. of Item:

Removing carefully old or abandoned m.s./ humepipe water storage tank upto 5000 litre capacity tank from terrace of the building etc.

Corresponding Item No. 14 of Section -XIX of MbPT SOR 2014
New Item No. 14 of Section -XIX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for tools and tackles		Lumpsum		150.00	1.	Plumber I	0.25	No.	540.38	135.10	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	0.25	No.	478.85	119.71	
						For lowering, transporting, stacking the old tank:						
						3.	Muccadam	0.50	No.	540.38	270.19	
						4.	Bandhani	0.50	No.	498.08	249.04	
						5.	Mazdoor-Male	2.00	No.	478.85	957.70	
TOTAL (M) =Rs.					170.00	TOTAL (L) =Rs.					1731.74	

Total of (M) + (L) = (I) = ` 1901.74

Total = (I) + (II) = (III) = ` 2219.68

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 190.17

Add: Allowance for PF @13.61% of (L) = ` 235.69

Grand Total = (III)+(IV)= ` 2409.86

This is cost for 1.00 No.

Add: Allowance for Employee'
insurance @4.75% of (L)

= ` 82.26

Therefore, Unit cost
2409.86

=
1.00

=Rs. 2409.86

Total of allowances =

(II)

= ` 317.95

Say Rs.

2410.00

per

each

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
1	Providing and laying 'A' grade glazed stoneware pipes with joints made with tarred gasket of hemp or spun yarn, tightly packed and neatly finished with rich cement grout of cement and sand (1:1) perfectly air tight including making drainage connections to inspection chambers wherever necessary, testing of joints, curing etc. complete as specified and as directed but excluding excavation.		
	(a) 100 mm nominal dia.	350.00	Mtr.
	(b) 150 mm nominal dia.	512.00	Mtr.
	(c) 200 mm nominal dia.	843.00	Mtr.
	(d) 230 mm nominal dia.	950.00	Mtr.
	(e) 300 mm nominal dia.	1,611.00	Mtr.
2	Providing and fixing stoneware 'S' or 'P' type gulley traps with outlet & CI grating, 230X300 mm CI hinged cover with frame, one brick thick masonry chamber with cement concrete (1:3:6) bedding 150 mm thick, rubble packing 150 mm thick, cement and sand plaster (1:3) 15 mm thick, finished smooth with cement inside and rough outside including encasement, etc. complete as specified and as directed but excluding excavation.		
	(a) Size: 150X150 mm with 100 mm outlet & 150X150 mm size CI grating	2,863.00	Each
	(b) Size: 225X225 mm with 150 mm outlet & 225X225 mm size PVC grating	5,464.00	Each
3	Providing and fixing stoneware glazed bends etc. complete as specified and as directed but excluding excavation.		
	(a) 100 mm nominal dia.	199.00	Each
	(b) 150 mm nominal dia.	262.00	Each
4	Providing and fixing stone ware glazed intercepting sewer trap with CI frame and cover of approved quality including constructing brick masonry chamber, 150 mm thick (1:3:6) cement concrete bedding, 150 mm thick rubble packing, encasing, etc. complete as specified and as directed but excluding excavation.		
	(a) 150 mm nominal dia.	8,468.00	Each
	(b) 230 mm nominal dia.	9,732.00	Each

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
5	Providing and laying non-pressure NP-2 class RCC pipes of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn, curing etc. complete as specified and as directed but exclusive of excavation.		
	(a) 100 mm dia.	276.00	Mtr.
	(b) 150 mm dia.	357.00	Mtr.
	(c) 250 mm dia.	573.00	Mtr.
	(d) 300 mm dia.	911.00	Mtr.
	(e) 450 mm dia.	2,145.00	Mtr.
6	Providing and laying 150 mm dia. non-pressure NP-2 class RCC pipes of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn, CC (1:3:6) in bedding as specified under IS:1742/1960, form work, handling, cutting to required lengths, curing etc. complete as specified and as directed but exclusive of excavation.		
	(a) 100 mm dia.	648.00	Mtr.
	(b) 150 mm dia.	734.00	Mtr.
	(c) 250 mm dia.	1,267.00	Mtr.
	(d) 300 mm dia.	1,707.00	Mtr.
7	Extra over rate for providing HAUNCHING as specified under IS:1742/1960.		
	(a) for Item No.6 (a) & (b)	423.00	Mtr.
	(b) for Item No.6 (c)	436.00	Mtr.
	(c) for Item No.6 (d)	536.00	Mtr.
8	Extra over rate for providing ENCASING as specified under IS:1742/1960.		
	(a) for Item No.6 (a) & (b)	816.00	Mtr.
	(b) for Item No.6 (c)	908.00	Mtr.
	(c) for Item No.6 (d)	1,038.00	Mtr.
9	Providing and laying non-pressure NP-2 class RCC pipes 150 mm dia. with collars in two half rounds to lay around existing electric/ telephone cable, keeping the pipes in position by means of suitable m.s. clamps 6 mm thick, 75 mm wide with necessary bolts etc. including providing tight packing of tarred spun yarn as directed complete but exclusive of excavation.	555.00	Mtr.

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
10	Constructing rectangular brick masonry inspection chamber of internal dimensions 900X450 mm and 500 mm deep with one brick thick masonry in cement mortar (1:4), 20 mm thick cement and sand plaster (1:3) finished rough externally and smooth internally, 150 mm thick (1:3:6) cement concrete in foundation bedding, projecting 150 mm beyond walls on 150 mm thick rubble packing, cement concrete (1:2:4) in haunches, channels and in copings including necessary cast iron steps but excluding excavation and CI frame and cover complete as directed.	10,203.00	Each
11	Extra over rate for Item No.10 above for every additional depth of 500 mm or part thereof.	6,037.00	0.5 Mtr. or part thereof
12	Providing and fixing approved quality CI rectangular cover and frame for inspection chambers of opening size 900X450 mm as specified and as directed.		
	(a) Medium duty - 100 Kgs.	8,964.00	Each
	(b) Light duty - 50 Kgs.	4,798.00	Each
13	Providing and fixing pre-cast (1:1.5:3) or M20 grade RCC rectangular covers with angle iron nosing and frame for inspection chambers of opening size 900X450 mm complete as specified and as directed.		
	(a) 100 mm thick	5,106.00	Each
	(b) 75 mm thick	3,068.00	Each
14	Providing and fixing pre-cast RCC (1:1.5:3) or M20 grade fibre reinforced rectangular frame and cover of 25 tonnes load bearing capacity for inspection chamber, the frame with 25X3 mm thick m.s. flat all around and clear opening of 900X450 mm, heavy duty pre-cast RCC fibre reinforced rectangular cover with 18 S.W.G. m.s. flat all around and with necessary lifting arrangement of 12 mm dia. m.s. bars welded to the mesh as specified and as directed complete.	3,577.00	Each

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
15	Constructing brick masonry conical man-hole of 1.5 Mtrs. depth with one brick thick masonry in CM (1:4), bottom internal dia. 1.2 Mtrs. and top internal dia. 0.525 Mtr., plastered internally and externally with cement mortar (1:3) 20 mm thick, 250 mm thick rubble packing 2.2 Mtrs. dia. and cement concrete (1:3:6) 230 mm thick having 2.2 Mtrs. dia. including benching and channels in CC (1:2:4) finished to slope and CI steps at 300 mm intervals but exclusive of CI frame and cover and excavation etc. complete as directed.	27,069.00	Each
16	Extra over rate for Item No.15 above for additional 0.5 Mtr. upto total depth of 2.0 Mtrs. the portion below 1.5 Mtrs. depth being of cylindrical shape 1.2 Mtrs. internal dia. with one and half brick thick masonry in cylindrical portion complete as per Item No.15 above.	9,302.00	0.5 Mtr. or part thereof
17	Constructing brick masonry conical man-hole of 2.0 Mtrs. depth with 1.5 Mtrs. bottom internal dia. and 0.525 Mtr. top internal dia. with one brick thick masonry in CM (1:4) and plastered internally and externally with cement mortar (1:3) 20 mm thick including 250 mm thick rubble packing having 2.5 Mtrs. dia. and cc (1:3:6) 300 mm thick having 2.5 Mtrs. dia. including benching and channels in cc (1:2:4) finished to slope, CI steps at 300 mm intervals but exclusive of frame, cover and excavation etc. complete as directed.	40,368.00	Each
18	Extra over rate for Item No.17 above for every additional depth of 0.5 Mtr. upto extra depth of 1.5 Mtrs. (total depth 3.5 Mtrs.) the portion below 2 Mtrs. depth being of cylindrical shape 1.5 Mtrs. internal dia. with one and half brick thick masonry in CM (1:4) in cylindrical portion complete as per Item No.17 above.	11,150.00	0.5 Mtr. or part thereof
19	Providing and fixing CI circular man-hole cover and frame conforming to IS:1726 with clear opening of 500 mm including cement concrete (1:2:4) bedding etc. complete as specified and as directed.		
	(a) Heavy duty - 100 Kgs.	20,486.00	Each
	(b) Medium duty - 50 Kgs.	10,602.00	Each

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
20	Supplying and fixing heavy duty pre-cast RCC fibre reinforced circular man-hole frame and cover of 35 tonnes load bearing capacity, the frame with 25X3 mm thick m.s. flat all around and clear opening of 540 mm dia., heavy duty pre-cast RCC fibre reinforced circular man-hole cover with 18 S.W.G. m.s. strap all around and with lifting arrangement of 12 mm dia. m.s. bars welded to the main reinforcement, etc. complete as directed.	4,776.00	Each
21	Constructing brick masonry single water-gully 450X450 mm opening size and of required depth, consisting of 150 mm rubble packing and 225 mm cement concrete (1:3:6) in foundation, one brick thick walls in cement mortar (1:5), 20 mm thick (1:3) cement plaster internally and externally, cement concrete (1:2:4) in fillets of invert & in coping, providing and fixing CI diaphragm including providing and fixing pre-cast RCC (1:2:4) removable or fixed dhapas complete as directed.	21,793.00	Each
22	-- do -- do -- double watergully 900X450 mm opening size -- do -- do -- as per Item No.21 above.	27,937.00	Each
23	Providing and fixing pre-cast RCC fibre reinforced water-gully frame and cover of 15 tonnes load bearing capacity, the frame with 25X3 mm thick m.s. flat all around and, heavy duty pre-cast RCC fibre reinforced rectangular cover with 18 S.W.G., m.s. strap all around and with necessary lifting arrangement etc. complete as specified and as directed.		
	(a) clear opening of 450X450 mm	2,866.00	Each
	(b) clear opening of 900X450 mm	3,846.00	Each
24	Providing and fixing pre-cast 100 mm thick RCC (1:2:4) or M15 grade grating with CI frame for water gullies including necessary PCC (1:2:4) bedding etc. complete as specified & as directed.		
	(a) opening size: 450X450 mm	4,583.00	Each
	(b) opening size: 900X450 mm	8,739.00	Each
25	Providing and fixing CI rungs in man-holes, complete as specified and as directed.	626.00	Each

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
26	Providing and supplying 150X300X25 mm thick RCC rectangular grating complete as directed.	143.00	Each
27	Providing and fixing 150 mm dia., CI drop connection in man-holes including inspection and cleaning eye with chain and lid, CI drop pipe and bend, encased with CC (1:3:6), cutting holes in walls and making good with brick work in CM (1:3), plastered with CM (1:3) on inside of the man-hole wall, lead caulked joints between CI pipe and fittings, stiff cement mortar (1:1) joints between CI 'T' and S.W. pipes, making required channels etc. complete as directed.	10,577.00	Each
28	Making connection to existing man-holes/ chambers including making good the damaged masonry, providing channel with cement concrete (1:2:4) etc. complete as directed.	314.00	Each
29	Raising and lowering man-holes/ water gullies or chambers including dismantling/ building up brick masonry/ concrete including removing and re-fixing frame and cover etc. complete as directed.	1,372.00	Each
30	Providing and fixing total 6 Mtrs. high 20 guage GI sheet vent shaft 200X100 mm with lower 2.0 Mtrs. long CI piece and head piece all with air tight joints fixed complete with 40X6 mm WI clamps at required centres, CC (1:3:6) in combined foundation block 1.25X1.25X1.7 Mtrs. for the teak wood post and vent chamber, one brick thick masonry walls plastered in CM (1:5), RCC dhapa in the vent chamber, teak wood post 250 mm X 180 mm X 6 Mtrs. with m.s. bars 2 Nos. each 22 mm dia. 750 mm long fixed at the bottom of the post, 100 mm dia. glazed stone-ware pipes from the man-hole to the vent chambers, excavation, painting etc. complete as directed.	26,465.00	Each
31	-- do -- do -- as Item No.30 except for RCC post 300 mm X 250 mm X 6 Mtrs. long with RCC footing in place of teak wood post.	11,301.00	Each

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
32	Providing and fixing 20 gauge GI sheet vent shaft 200X100 mm with lower 2.0 Mtrs. long CI piece and head piece with WI clamps fixed to wall of building (minimum height 16 Mtrs.) necessary teak wood blocks including the vent chamber, dhapa, 100 mm stoneware pipes, excavation etc. complete as directed (only the clear height above ground level will be measured and paid for).	10,708.00	Each
33	Providing and fixing HP septic tank 1200 mm dia. and 2.5 Mtrs. long including 250 mm rubble packing, CC (1:3:6) bed concrete, AC vent pipe with cowl etc. complete as directed.	26,127.00	Each
34	Constructing brick masonry single water gully 600X600 mm opening size and required depth, consisting of 150 mm rubble packing and 150 mm thick cement concrete (1:3:6) in foundation, one brick thick wall in cement mortar (1:5), 20 mm thick (1:3) cement plaster, cement concrete (1:1.5:3) in fillets of invert and in coping, constructing one brick thick masonry diaphragm over RCC lintel of (1:1.5:3) and fixing pre-cast RCC M-35 grade removable dhapas with lifting hooks including reinforcement, formwork etc. excluding grating complete as shown on the drawing or as directed.	26,692.00	Each
35	Providing & fixing heavy duty GI grating 12 mm thick with 75 micron galvanised coating to the water gully of clear opening size 600X600 mm etc. complete as directed.	8,924.00	Each
36	Providing & laying 450 mm dia. non-pressure NP-2 class RCC pipes of approved quality with collars, jointed with stiff cement mortar (1:2) including providing tight packing of tarred spun yarn, 300 mm thick C.C. (1:3:6) in bedding over a layer of 150 mm thick rubble packing, form work, handling, cutting to the required lengths, curing etc. complete as specified and as directed but exclusive of excavation.	3,458.00	Mtr.

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
37	Providing & laying non-pressure NP-3 class RCC pipes of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn, curing etc. complete as specified and as directed but exclusive of excavation.		
	(a) 100 mm dia.	313.00	Mtr.
	(b) 150 mm dia.	408.00	Mtr.
	(c) 250 mm dia.	887.00	Mtr.
	(d) 300 mm dia.	1,637.00	Mtr.
	(e) 450 mm dia.	2,463.00	Mtr.
38	Providing & laying non-pressure NP-3 class RCC pipes of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn, CC (1:3:6) in bedding as specified under IS:1742/1960 over 150 mm thick rubble packing, form work, handling, cutting to the required lengths, curing etc. complete as specified and as directed but exclusive of excavation.		
	(a) 100 mm dia.	841.00	Mtr.
	(b) 150 mm dia.	973.00	Mtr.
	(c) 250 mm dia.	1,836.00	Mtr.
	(d) 300 mm dia.	2,742.00	Mtr.
	(e) 450 mm dia.	3,904.00	Mtr.
39	Cleaning thoroughly man-holes of storm water drain of any size, depth including pumping out water or plugging and removal of silt etc. complete as directed.	656.00	Each
40	Cleaning thoroughly water gullies of any size, depth including cleaning of pipe drain from man-hole to water gullies with de-watering if necessary and removal of silt etc. complete as directed.	631.00	Each
41	Remove solids, any other waste materials, pieces of stones, debris (if any) from septic tank and cleaning thoroughly and transport the spoils to a pit excavated for disposal etc. complete as		

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
	directed (Excavation of pit will be paid separately).		
	(a) 3.5X4.00X2.50 Mtrs.	10,223.00	Each
	(b) 12.48X3.05X2.905 Mtrs.	16,767.00	Each
	(c) 18.28X8.53X2.92 Mtrs.	42,709.00	Each
42	Cleaning thoroughly chambers connected to lavatory blocks and cleaning thoroughly pipe drain connected to latrine drainage system etc. complete as directed.	1,257.00	Each
43	De-silting of storm water drains, open drains, surface drains of any size including removing and re-fixing RCC covers, removal of silt/ mud etc. and stacking the spoil within 50 m lead etc. complete as directed.	656.00	Cu.M.
44	Cleaning thoroughly gully trap of any size, depth including cleaning of drainage pipe from inspection chamber to gully trap including de-watering if necessary and removal of silt, debris, stones, sludge etc. including transportation of removed materials etc. complete as directed.	170.00	Each
45	Supplying FRP/ GRP/ COMPOSITE resin Water gully frame and cover manufactured by M/s.Thermodrain, M/s.Fibrocast, M/s.Everlastcomposites or equivalent conforming to BSEN 124; 1994, Product shall have top abrasion resistant layer of decorative grey granite finish. It shall also conform to 'Permanent Set' criterion as per BSEN 124. The lifting arrangement should have an insert of 5 mm in glass filled nylon socket type with key hole, including hold-fasts, transport to MbPT store/ site office etc. complete.		
	(a) Size: 450 X 450 mm; 20 T capacity	5,967.00	Each
	(b) Size: 450 X 450 mm; 40 T capacity	8,121.00	Each
	(c) Size: 600 X 600 mm; 20 T capacity	10,967.00	Each
	(d) Size: 600 X 600 mm; 40 T capacity	12,464.00	Each
46	Supplying FRP/ GRP/ COMPOSITE resin circular Man-hole frame and cover of 600 mm clear opening manufactured by M/s.Thermodrain, M/s.Fibrocast, M/s.Everlastcomposites or equivalent conforming to BSEN 124; 1994, Product shall have top abrasion resistant layer of decorative grey granite finish. It shall also conform to 'Permanent Set' criterion as per		

XX - Drainage Works

Sr. No.	Item Description	Rate in `	Unit
	BSEN 124. The lifting arrangement should have an insert of 5 mm in glass filled nylon socket type with key hole, including hold-fasts, transport to MbPT store/ site office etc. complete.		
	(a) 20 T capacity	5,555.00	Each
	(b) 40 T capacity	7,490.00	Each
47	Supplying FRP/ GRP/ COMPOSITE resin rectangular Inspection chamber frame and cover of size 900 X 450 mm 20 T capacity manufactured by M/s.Thermodrain, M/s.Fibrocast, M/s.Everlastcomposites or equivalent conforming to BSEN 124; 1994, Product shall have top abrasion resistant layer of decorative grey granite finish. It shall also conform to 'Permanent Set' criterion as per BSEN 124. The lifting arrangement should have an insert of 5 mm in glass filled nylon socket type with key hole, including hold-fasts, transport to MbPT store/ site office etc. complete.	6,097.00	Each

Rate Analysis for 30.00 Mtrs. of Item:
Providing and laying 'A' grade glazed stoneware pipes with joints made with tarred gasket or hump or spun yarn etc.
(a) 100mm dia.

Corresponding Item No. 1a of Section -XX of MbPT SOR 2014
 New Item No. 1a of Section -XX
 NBO Ref. No.24.1(a) Page:483 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stoneware pipe 'A' grade-600mm long-100 mm dia.	50.00	Nos.	94.07	4703.40	1.	Mason I	1.00	No.	540.38	540.38	
2.	Add:10% for breakage	5.00	Nos.	94.07	470.34	2.	Mason II	1.00	No.	525.00	525.00	
3.	Cement for 50 joints	0.065	MT	5762.73	374.58	3.	Bhisti	1.00	No.	478.85	478.85	
4.	Sand	0.045	Cu.M.	2994.92	134.77	4.	Mazdoor-Male	3.00	No.	478.85	1436.55	
5.	Spun yarn plain gasket-@0.09Kg./joint	4.50	Kgs.	80.51	362.29							
6.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					6075.38	TOTAL (L) =Rs.					2980.78	

Total of (M) + (L) = (I) = ` 9056.16

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 405.68

Add: Allowance for Employee' insurance @4.75% of (L) = ` 141.59

Total of allowances = (II) = ` 547.27

Say Rs. 350.00 per Mtr.

Total = (I) + (II) = (III) = ` 9603.43

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 905.62

Grand Total = (III)+(IV)= ` 10509.05

This is cost for 30.00 Mtrs.

Therefore, Unit cost = 10509.05 ÷ 30.00 =Rs. 350.30

Rate Analysis for 30.00 Mtrs. of Item:
Providing and laying 'A' grade glazed stoneware pipes with joints made with tarred gasket or hump or spun yarn etc.
(b) 150mm dia.

Corresponding Item No. 1b of Section -XX of MbPT SOR 2014
 New Item No. 1b of Section -XX
 NBO Ref. No.24.1(b) Page:483 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stoneware pipe 'A' grade-600mm long-150 mm dia.	50.00	Nos.	141.53	7076.29	1.	Mason I	1.50	No.	540.38	810.57	
2.	Add:10% for breakage	5.00	Nos.	141.53	707.63	2.	Mason II	1.50	No.	525.00	787.50	
3.	Cement for 50 joints	0.097	MT	5762.73	558.98	3.	Bhisti	1.00	No.	478.85	478.85	
4.	Sand	0.068	Cu.M.	2994.92	203.65	4.	Mazdoor-Male	4.00	No.	478.85	1915.40	
5.	Spun yarn plain	9.00	Kgs.	80.51	724.58							
6.	gasket-@0.18Kg./joint											
	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					9301.14	TOTAL (L) =Rs.					3992.32	

Total of (M) + (L) = (I) = ` 13293.46

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 543.35

Add: Allowance for Employee' insurance @4.75% of (L) = ` 189.64

Total of allowances = (II) = ` 732.99

Total = (I) + (II) = (III) = ` 14026.45

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1329.35

Grand Total = (III)+(IV)= ` 15355.79

This is cost for 30.00 Mtrs.

Therefore, Unit cost = 15355.79 ÷ 30.00 =Rs. 511.86

Say Rs. 512.00 per Mtr.

Rate Analysis for 30.00 Mtrs. of Item:
Providing and laying 'A' grade glazed stoneware pipes with joints made with tarred gasket or hump or spun yarn etc.
(c) 200mm dia.

Corresponding Item No. 1c of Section -XX of MbPT SOR 2014
 New Item No. 1c of Section -XX
 NBO Ref. No.24.1(c) Page:483 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stoneware pipe 'A' grade-600mm long-200 mm dia.	50.00	Nos.	283.05	14152.58	1.	Mason I	1.75	No.	540.38	945.67	
2.	Add:10% for breakage	5.00	Nos.	283.05	1415.26	2.	Mason II	1.75	No.	525.00	918.75	
3.	Cement for 50 joints	0.130	MT	5762.73	749.15	3.	Bhisti	1.25	No.	478.85	598.56	
4.	Sand	0.091	Cu.M.	2994.92	272.54	4.	Mazdoor-Male	4.50	No.	478.85	2154.83	
5.	Spun yarn plain	12.00	Kgs.	80.51	966.10							
6.	gasket-@0.24Kg./joint											
	Sundries, carriage etc.		Lumpsum		40.00							
TOTAL (M) =Rs.					17595.64	TOTAL (L) =Rs.					4617.80	

Total of (M) + (L) =	(I)	= `	22213.44	Total = (I) + (II) =	(III)	= `	23061.27
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2221.34
Add: Allowance for PF @13.61% of (L)		= `	628.48	Grand Total		=	(III)+(IV)= ` 25282.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	219.35	This is cost for	30.00	Mtrs.	
Total of allowances =	(II)	= `	847.83	Therefore, Unit cost	25282.61	÷	30.00 =Rs. 842.75
			Say Rs. 843.00				per Mtr.

Rate Analysis for 30.00 Mtrs. of Item:
Providing and laying 'A' grade glazed stoneware pipes with joints made with tarred gasket or hump or spun yarn etc.
(d) 230mm dia.

Corresponding Item No. 1d of Section -XX of MbPT SOR 2014
 New Item No. 1d of Section -XX
 NBO Ref. No.24.1(d) Page:484 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stoneware pipe 'A' grade-600mm long-230 mm dia.	50.00	Nos.	318.64	15932.25	1.	Mason I	2.00	No.	540.38	1080.76	
2.	Add:10% for breakage	5.00	Nos.	318.64	1593.22	2.	Mason II	2.00	No.	525.00	1050.00	
3.	Cement for 50 joints	0.146	MT	5762.73	841.36	3.	Bhisti	1.50	No.	478.85	718.28	
4.	Sand	0.102	Cu.M.	2994.92	305.48	4.	Mazdoor-Male	5.00	No.	478.85	2394.25	
5.	Spun yarn plain gasket-@0.27Kg./joint	13.50	Kgs.	80.51	1086.87							
6.	Sundries, carriage etc.		Lumpsum		40.00							
TOTAL (M) =Rs.					19799.18	TOTAL (L) =Rs.					5243.29	

Total of (M) + (L) = (I) = ` 25042.47

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 962.67

Say Rs.

950.00

per Mtr.

Total = (I) + (II) = (III) = ` 26005.13

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 28509.38

This is cost for 30.00 Mtrs.

Therefore, Unit cost = 28509.38 ÷ 30.00 =Rs. 950.31

Rate Analysis for 30.00 Mtrs. of Item:
Providing and laying 'A' grade glazed stoneware pipes with joints made with tarred gasket or hump or spun yarn etc.
(e) 300mm dia.

Corresponding Item No. 1e of Section -XX of MbPT SOR 2014
 New Item No. 1e of Section -XX
 NBO Ref. No.24.1(f) Page:485 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Stoneware pipe 'A' grade-600mm long-300 mm dia.	50.00	Nos.	611.02	30550.93	1.	Mason I	2.50	No.	540.38	1350.95	
2.	Add:10% for breakage	5.00	Nos.	611.02	3055.09	2.	Mason II	2.50	No.	525.00	1312.50	
3.	Cement for 50 joints	0.194	MT	5762.73	1117.97	3.	Bhisti	1.50	No.	478.85	718.28	
4.	Sand	0.136	Cu.M.	2994.92	407.31	4.	Mazdoor-Male	6.00	No.	478.85	2873.10	
5.	Spun yarn plain gasket-@0.36Kg./joint	18.00	Kgs.	80.51	1449.16							
6.	Sundries, carriage etc.		Lumpsum		60.00							
TOTAL (M) =Rs.					36640.46	TOTAL (L) =Rs.					6254.83	

Total of (M) + (L) = (I) = ` 42895.29

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 1148.39

Say Rs. 1611.00 per Mtr.

Total = (I) + (II) = (III) = ` 44043.67

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 48333.20

This is cost for 30.00 Mtrs.

Therefore, Unit cost = 48333.20 ÷ 30.00 =Rs. 1611.11

Rate Analysis for 1.00 No. of Item:
Providing and fixing stoneware 'S' or 'P' type grade 'A' gulley traps etc.
(a) Size 150X150mm with 100mm outlet & 150X150mm size CI grating

Corresponding Item No. 2a of Section -XX of MbPT SOR 2014
 New Item No. 2a of Section -XX
 NBO Ref. No.24.19(II)d Page:528 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS	
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.		
1.	Stoneware gully trap 150X150mm	1.00	No.	170.34	170.34		Rates on left side are inclusive of labour component.						
2.	CI cover and frame 228.60X304.80mm	1.00	No.	172.83	172.83		Minor additional labour cost taken care in sundries.						
3.	CI grating	1.00	No.	179.66	179.66		TOTAL COST =						
4.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	0.08	Cu.M.	4934.47	394.76		Material cost @65% = (M) =						
5.	Rubble packing (Item No.1b, Section-XXI)	0.42	Sq.M.	329.42	138.36		Labour cost @35% = (L) =						
6.	Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	0.50	Sq.M.	1262.84	631.42								
7.	Internal plaster (1:5) (Item No.2a, Section-IX)	0.29	Sq.M.	476.06	138.06								
8.	External plaster (1:3) (Item No.5a, Section-IX)	0.96	Sq.M.	573.60	550.66								
9.	Coping (1:2:4) (Item No.1b(i), Section-IV)	0.01	Cu.M.	5430.87	32.59								
10.	Sundries, carriage etc.		Lumpsum		50.00								
TOTAL =Rs.					2458.67								
Total of (M) + (L) =			(I)	=	2458.67	Total = (I) + (II) =			(III)	=	2616.66		
Add: Allowance for Water charges @1% of (I)				=		Add: Contractor's over-heads & profit @10% of (I)			(IV)	=	245.87		
Add: Allowance for PF @13.61% of (L)				=	117.12	Grand Total =			(III)+(IV) =Rs.		2862.53		
Add: Allowance for Employee' insurance @4.75% of (L)				=	40.88	This is cost for 1.00 No.							
Total of allowances =			(II)	=	157.99	Therefore, Unit cost 2862.53 ÷ 1.00			=	Rs.	2862.53		
Say Rs. 2863.00						per each							

Rate Analysis for 1.00 No. of Item:
Providing and fixing stone ware glazed bends excluding excavation etc.
(a) 100mm dia.

Corresponding Item No. 3a of Section -XX of MbPT SOR 2014
 New Item No. 3a of Section -XX
 NBO Ref. No.24.17a Page:518 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	S.W. glazed bend 100mm dia.	1.00	No.	112.71	112.71	1.	Fitting charges		Lumpsum		24.00	
2.	Cement, sand etc.		Lumpsum		10.00							
3.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					152.71	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	176.71	Total = (I) + (II) =	(III)	= `	181.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	17.67
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	198.79
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	=		
				198.79 ÷ 1.00	=Rs.		198.79
			Say Rs. 199.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing stone ware glazed bends excluding excavation etc.
(b) 150mm dia.

Corresponding Item No. 3b of Section -XX of MbPT SOR 2014
 New Item No. 3b of Section -XX
 NBO Ref. No.24.17b Page:518 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	S.W. glazed bend 150mm dia.	1.00	No.	170.34	170.34	1.	Fitting charges		Lumpsum		24.00	
2.	Cement, sand etc.		Lumpsum		10.00							
3.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					210.34	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	234.34	Total = (I) + (II) =	(III)	= `	238.75
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	23.43
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	262.18
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	262.18	÷	1.00 =Rs. 262.18
			Say Rs. 262.00		per each		

Rate Analysis for 1.00 No. of Item:
Providing and fixing stone ware glazed intercepting sewer trap with CI frame and cover etc.
(a) 150mm dia.

Corresponding Item No. 4a of Section -XX of MbPT SOR 2014
 New Item No. 4a of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS	
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.		
1.	Intercepting sewer trap 150mm dia.	1.00	No.	394.92	394.92		Rates on left side are inclusive of labour component.						
2.	CI cover and frame 228.6 X 304.8 mm	1.00	No.	172.83	172.83		Minor additional labour cost taken care in sundries.						
3.	PVC grating	1.00	No.	84.75	84.75		TOTAL COST =						7273.08
4.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	0.22	Cu.M.	4934.47	1085.58		Material cost @65% = (M) =						4727.50
5.	Rubble packing (Item No.1b, Section-XXI)	1.46	Sq.M.	329.42	480.95		Labour cost @35% = (L) =						2545.58
6.	Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	1.50	Sq.M.	1262.84	1894.26								
7.	Internal plaster (1:5) (Item No.2a, Section-IX)	1.60	Sq.M.	476.06	761.69								
8.	External plaster (1:3) (Item No.5a, Section-IX)	2.20	Sq.M.	573.60	1261.93								
9.	Coping (1:2:4) (Item No.1b(i), Section-IV)	0.20	Cu.M.	5430.87	1086.17								
10.	Sundries, carriage etc.		Lumpsum		50.00								

Total of (M) + (L) = (I) = ` 7273.08
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 346.45
Add: Allowance for Employee' insurance @4.75% of (L) = ` 120.91
 Total of allowances = (II) = ` 467.37

Total = (I) + (II) = (III) = ` 7740.45
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 727.31
 Grand Total = (III)+(IV) =Rs. 8467.75
 This is cost for 1.00 No.
 Therefore, Unit cost = 8467.75 ÷ 1.00 =Rs. 8467.75

Say Rs. 8468.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing stone ware glazed intercepting sewer trap with CI frame and cover etc.
(b) 230mm dia.

Corresponding Item No. 4b of Section -XX of MbPT SOR 2014
 New Item No. 4b of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS	
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.		
1.	Intercepting sewer trap 230mm dia.	1.00	No.	1450.85	1450.85		Rates on left side are inclusive of labour component.						
2.	CI cover and frame 228.6 X 304.8 mm	1.00	No.	172.83	172.83		Minor additional labour cost taken care in sundries.						
3.	PVC grating	1.00	No.	84.75	84.75		TOTAL COST =						8359.01
4.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	0.22	Cu.M.	4934.47	1085.58		Material cost @65% = (M) =						5433.36
5.	Rubble packing (Item No.1b, Section-XXI)	1.46	Sq.M.	329.42	480.95		Labour cost @35% = (L) =						2925.65
6.	Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	1.50	Sq.M.	1262.84	1894.26								
7.	Internal plaster (1:5) (Item No.2a, Section-IX)	1.60	Sq.M.	476.06	761.69								
8.	External plaster (1:3) (Item No.5a, Section-IX)	2.20	Sq.M.	573.60	1261.93								
9.	Coping (1:2:4) (Item No.1b(i), Section-IV)	0.20	Cu.M.	5430.87	1086.17								
10.	Sundries, carriage etc.		Lumpsum		80.00								

Total of (M) + (L) = (I) = ` 8359.01
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 398.18
Add: Allowance for Employee' insurance @4.75% of (L) = ` 138.97
 Total of allowances = (II) = ` 537.15

Total = (I) + (II) = (III) = ` 8896.16
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 835.90
 Grand Total = (III)+(IV) =Rs. 9732.06
 This is cost for 1.00 No.
 Therefore, Unit cost = 9732.06 ÷ 1.00 =Rs. 9732.06

Say Rs. 9732.00 per each

Rate Analysis for 10.00 Mtrs. of Item:
Providing and fixing non-pressure NP2 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(a) 100mm dia.

Corresponding Item No. 5a of Section -XX of MbPT SOR 2014
New Item No. 5a of Section -XX
NBO Ref. No.24.22(a) Page:534 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe with collars-2Mtrs. long-100mm dia.	10.00	Mtrs.	157.63	1576.28	1.	Mason I	0.32	No.	540.38	172.92	
2.	Cement for 5 joints	0.005	MT	5762.73	28.81	2.	Mason II	0.32	No.	525.00	168.00	
3.	Sand	0.006	Cu.M.	2994.92	17.97	3.	Bhisti	0.16	No.	478.85	76.62	
4.	Tarred spun yarn		Lumpsum		30.00	4.	Mazdoor-Male	0.63	No.	478.85	301.68	
5.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					1673.06	TOTAL (L) =Rs.					719.21	

Total of (M) + (L) =	(I)	= `	2392.27	Total = (I) + (II) =	(III)	= `	2524.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	239.23
Add: Allowance for PF @13.61% of (L)		= `	97.88	Grand Total	=	(III)+(IV)= `	2763.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	34.16	This is cost for	10.00 Mtrs.		
Total of allowances =	(II)	= `	132.05	Therefore, Unit cost	=		
				2763.55 ÷ 10.00	=Rs.		276.35
			Say Rs. 276.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing and fixing non-pressure NP2 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(b) 150mm dia.

Corresponding Item No. 5b of Section -XX of MbPT SOR 2014
New Item No. 5b of Section -XX
NBO Ref. No.24.22(b) Page:535 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe with collars-2Mtrs. long-150mm dia.	10.00	Mtrs.	212.71	2127.12	1.	Mason I	0.39	No.	540.38	210.75	
2.	Cement for 5 joints	0.006	MT	5762.73	34.58	2.	Mason II	0.39	No.	525.00	204.75	
3.	Sand	0.008	Cu.M.	2994.92	23.96	3.	Bhisti	0.16	No.	478.85	76.62	
4.	Tarred spun yarn		Lumpsum		30.00	4.	Mazdoor-Male	0.78	No.	478.85	373.50	
5.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					2235.66	TOTAL (L) =Rs.					865.62	

Total of (M) + (L) =	(I)	= `	3101.28	Total = (I) + (II) =	(III)	= `	3260.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	310.13
Add: Allowance for PF @13.61% of (L)		= `	117.81	Grand Total	=	(III)+(IV)= `	3570.33
Add: Allowance for Employee' insurance @4.75% of (L)		= `	41.12	This is cost for	10.00 Mtrs.		
Total of allowances =	(II)	= `	158.93	Therefore, Unit cost	=		
				3570.33 ÷ 10.00	=Rs.		357.03
			Say Rs. 357.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing and fixing non-pressure NP2 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(c) 250mm dia.

Corresponding Item No. 5c of Section -XX of MbPT SOR 2014
New Item No. 5c of Section -XX
NBO Ref. No.24.22(c) Page:535 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe with collars-2Mtrs. long-250mm dia.	10.00	Mtrs.	366.10	3661.03	1.	Mason I	0.54	No.	540.38	291.81	
2.	Cement for 5 joints	0.009	MT	5762.73	51.86	2.	Mason II	0.54	No.	525.00	283.50	
3.	Sand	0.012	Cu.M.	2994.92	35.94	3.	Bhisti	0.23	No.	478.85	110.14	
4.	Tarred spun yarn		Lumpsum		40.00	4.	Mazdoor-Male	1.05	No.	478.85	502.79	
5.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					3818.83	TOTAL (L) =Rs.					1188.23	

Total of (M) + (L) =	(I)	= `	5007.06	Total = (I) + (II) =	(III)	= `	5225.22
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	500.71
Add: Allowance for PF @13.61% of (L)		= `	161.72	Grand Total	=	(III)+(IV)= `	5725.93
Add: Allowance for Employee' insurance @4.75% of (L)		= `	56.44	This is cost for	10.00 Mtrs.		
Total of allowances =	(II)	= `	218.16	Therefore, Unit cost	=		
				5725.93 ÷ 10.00	=Rs.		572.59
			Say Rs. 573.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing and fixing non-pressure NP2 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(d) 300mm dia.

Corresponding Item No. 5d of Section -XX of MbPT SOR 2014
New Item No. 5d of Section -XX
NBO Ref. No.24.22(d) Page:535 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe with collars-2Mtrs. long-300mm dia.	10.00	Mtrs.	661.02	6610.19	1.	Mason I	0.59	No.	540.38	318.82	
2.	Cement for 5 joints	0.011	MT	5762.73	63.39	2.	Mason II	0.59	No.	525.00	309.75	
3.	Sand	0.015	Cu.M.	2994.92	44.92	3.	Bhisti	0.20	No.	478.85	95.77	
4.	Tarred spun yarn		Lumpsum		40.00	4.	Mazdoor-Male	1.16	No.	478.85	555.47	
5.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					6788.50	TOTAL (L) =Rs.					1279.81	

Total of (M) + (L) =	(I)	= `	8068.31	Total = (I) + (II) =	(III)	= `	8303.29
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	806.83
Add: Allowance for PF @13.61% of (L)		= `	174.18	Grand Total	=	(III)+(IV)= `	9110.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	60.79	This is cost for	10.00 Mtrs.		
Total of allowances =	(II)	= `	234.97	Therefore, Unit cost	=		
				9110.12 ÷ 10.00	=Rs.		911.01
			Say Rs. 911.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP2 class 450mm dia. RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.

Corresponding Item No. 5e of Section -XX of MbPT SOR 2014
 New Item No. 5e of Section -XX
 NBO Ref. No.24.22e Page:536 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe with collars-2Mtrs. long-450mm dia.	10.00	Mtrs.	1724.58	17245.81	1.	Mason I	0.75	No.	540.38	405.29	
2.	Cement for 5 joints	0.0240	MT	5762.73	138.31	2.	Mason II	0.75	No.	525.00	393.75	
3.	Sand	0.033	Cu.M.	2994.92	98.83	3.	Bhisti	0.33	No.	478.85	158.02	
4.	Tarred spun yarn		Lumpsum		40.00	4.	Mazdoor-Male	1.50	No.	478.85	718.28	
5.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					17542.95	TOTAL (L) =Rs.					1675.33	

Total of (M) + (L) = (I) = ` 19218.28

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 228.01

Add: Allowance for Employee' insurance @4.75% of (L) = ` 79.58

Total of allowances = (II) = ` 307.59

Total = (I) + (II) = (III) = ` 19525.87

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1921.83

Grand Total = (III)+(IV)= ` 21447.70

This is cost for 10.00 Mtrs.

Therefore, Unit cost =
 21447.70 ÷ 10.00 =Rs. 2144.77

Say Rs. 2145.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP2 class RCC pipe & bedding c.c. (1:3:6) etc.
(a) 100mm dia.

Corresponding Item No. 6a of Section -XX of MbPT SOR 2014
New Item No. 6a of Section -XX
NBO Ref. No.24.3(a) Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-100mm di (Item No.5a above)	10.00	Mtrs.	252.43	2524.32		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	0.476	Cu.M.	4934.47	2348.81		TOTAL COST =				5566.32	
3.	Form work (Form work-'A', Section-IV)	3.000	Sq.M.	214.40	643.19		Material cost @65% = (M) =				3618.11	
4.	Sundries, carriage etc.		Lumpsum		50.00		Labour cost @35% = (L) =				1948.21	
TOTAL =Rs.					5566.32							

Total of (M) + (L) =	(I)	= `	5566.32	Total = (I) + (II) =	(III)	= `	5924.01
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	556.63
Add: Allowance for PF @13.61% of (L)		= `	265.15	Grand Total	=	(III)+(IV)= `	6480.64
Add: Allowance for Employee' insurance @4.75% of (L)		= `	92.54	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	357.69	Therefore, Unit cost	6480.64	÷	10.00 =Rs. 648.06
			Say Rs. 648.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP2 class RCC pipe & bedding c.c. (1:3:6) etc.
(b) 150mm dia.

Corresponding Item No. 6b of Section -XX of MbPT SOR 2014
New Item No. 6b of Section -XX
NBO Ref. No.24.3(b) Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-150mm di (Item No.5b above)	10.00	Mtrs.	326.02	3260.20		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	0.476	Cu.M.	4934.47	2348.81		TOTAL COST =				6302.21	
3.	Form work (Form work-'A', Section-IV)	3.000	Sq.M.	214.40	643.19		Material cost @65% = (M) =				4096.43	
4.	Sundries, carriage etc.		Lumpsum		50.00		Labour cost @35% = (L) =				2205.77	
TOTAL =Rs.					6302.21							

Total of (M) + (L) =	(I)	= `	6302.21	Total = (I) + (II) =	(III)	= `	6707.19
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	630.22
Add: Allowance for PF @13.61% of (L)		= `	300.21	Grand Total	=	(III)+(IV)= `	7337.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	104.77	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	404.98	Therefore, Unit cost	7337.41	÷	10.00 =Rs. 733.74
			Say Rs. 734.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP2 class RCC pipe & bedding c.c. (1:3:6) etc.
(c) 250mm dia.

Corresponding Item No. 6c of Section -XX of MbPT SOR 2014
 New Item No. 6c of Section -XX
 NBO Ref. No.24.3(e) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-250mm di (Item No.5c above)	10.00	Mtrs.	522.52	5225.22		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	1.000	Cu.M.	4934.47	4934.47		TOTAL COST =				10882.89	
3.	Form work (Form work-'A', Section-IV)	3.000	Sq.M.	214.40	643.19		Material cost @65% = (M) =				7073.88	
4.	Sundries, carriage etc.		Lumpsum		80.00		Labour cost @35% = (L) =				3809.01	
TOTAL =Rs.					10882.89							

Total of (M) + (L) =	(I)	= `	10882.89	Total = (I) + (II) =	(III)	= `	11582.22
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1088.29
Add: Allowance for PF @13.61% of (L)		= `	518.41	Grand Total		= (III)+(IV)= `	12670.51
Add: Allowance for Employee' insurance @4.75% of (L)		= `	180.93	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	699.33	Therefore, Unit cost		=	
				12670.51	÷	10.00	=Rs. 1267.05
			Say Rs. 1267.00			per Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP2 class RCC pipe & bedding c.c. (1:3:6) etc.
(d) 300mm dia.

Corresponding Item No. 6d of Section -XX of MbPT SOR 2014
New Item No. 6d of Section -XX
NBO Ref. No.24.3(f) Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-300mm di (Item No.5d above)	10.00	Mtrs.	830.33	8303.29		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	1.140	Cu.M.	4934.47	5625.30		TOTAL COST =				14661.78	
3.	Form work (Form work-'A', Section-IV)	3.000	Sq.M.	214.40	643.19		Material cost @65% = (M) =				9530.15	
4.	Sundries, carriage etc.		Lumpsum		90.00		Labour cost @35% = (L) =				5131.62	
TOTAL =Rs.					14661.78							

Total of (M) + (L) =	(I)	= `	14661.78	Total = (I) + (II) =	(III)	= `	15603.94
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1466.18
Add: Allowance for PF @13.61% of (L)		= `	698.41	Grand Total	=	(III)+(IV)= `	17070.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	243.75	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	942.17	Therefore, Unit cost	17070.12	÷	10.00 =Rs. 1707.01
			Say Rs. 1707.00	per Mtr.			

Rate Analysis for 10.00 Mtrs. of Item:
Extra over rate for providing haunching for NP2 class RCC pipe as per IS:1742/1960
(a) 150mm dia. for Item No.6b above

Corresponding Item No. 7a of Section -XX of MbPT SOR 2014
 New Item No. 7a of Section -XX
 NBO Ref. No.24.7b Page:495 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-150mm di (Item No.5b above)	10.00	Mtrs.	326.02	3260.20		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	1.140	Cu.M.	4934.47	5625.30		TOTAL COST =				9940.29	
3.	Form work (Form work-'A', Section-IV)	4.500	Sq.M.	214.40	964.79		Material cost @65% = (M) =				6461.19	
4.	Sundries, carriage etc.		Lumpsum		90.00		Labour cost @35% = (L) =				3479.10	
TOTAL =Rs.					9940.29							

Total of (M) + (L) =	(I)	= `	9940.29	Total = (I) + (II) =	(III)	= `	10579.06
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	994.03
Add: Allowance for PF @13.61% of (L)		= `	473.51	Grand Total	=	(III)+(IV)= `	11573.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	165.26	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	638.76	Therefore, Unit cost	=		
This is rate with haunching and pipe, Say Rs.			1157.00	11573.08	÷	10.00	=Rs. 1157.31
Less: Rate with bedding CC and pipe (Item No.6b above) Rs.			734.00				
Therefore, Extra rate for haunching is Rs.			423.00				

Rate Analysis for 10.00 Mtrs. of Item:
Extra over rate for providing haunching for NP2 class RCC pipe as per IS:1742/1960
(b) 250mm dia. for Item No.6c above

Corresponding Item No. 7b of Section -XX of MbPT SOR 2014
 New Item No. 7b of Section -XX
 NBO Ref. No.24.7e Page:497 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-250mm di (Item No.5c above)	10.00	Mtrs.	522.52	5225.22		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	1.560	Cu.M.	4934.47	7697.77		TOTAL COST =				14630.98	
3.	Form work (Form work-'A', Section-IV)	7.500	Sq.M.	214.40	1607.98		Material cost @65% = (M) =				9510.14	
4.	Sundries, carriage etc.		Lumpsum		100.00		Labour cost @35% = (L) =				5120.84	
TOTAL =Rs.					14630.98							

Total of (M) + (L) =	(I)	= `	14630.98	Total = (I) + (II) =	(III)	= `	15571.17
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1463.10
Add: Allowance for PF @13.61% of (L)		= `	696.95	Grand Total	=	(III)+(IV)= `	17034.27
Add: Allowance for Employee' insurance @4.75% of (L)		= `	243.24	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	940.19	Therefore, Unit cost	=		
				17034.27	÷	10.00	=Rs. 1703.43
This is rate with haunching and pipe, Say Rs.				1703.00	per	Mtr.	
Less: Rate with bedding CC and pipe (Item No.6c above) Rs.				1267.00	per	Mtr.	
Therefore, Extra rate for haunching is Rs.				436.00	per	Mtr.	

Rate Analysis for 10.00 Mtrs. of Item:
Extra over rate for providing haunching for NP2 class RCC pipe as per IS:1742/1960
(c) 300mm dia. for Item No.6d above

Corresponding Item No. 7c of Section -XX of MbPT SOR 2014
 New Item No. 7c of Section -XX
 NBO Ref. No.24.7f Page:498 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-300mm di (Item No.5d above)	10.00	Mtrs.	830.33	8303.29		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	1.810	Cu.M.	4934.47	8931.39		TOTAL COST =				19264.26	
3.	Form work (Form work-'A', Section-IV)	9.000	Sq.M.	214.40	1929.58		Material cost @65% = (M) =				12521.77	
4.	Sundries, carriage etc.		Lumpsum		100.00		Labour cost @35% = (L) =				6742.49	
TOTAL =Rs.					19264.26							

Total of (M) + (L) =	(I)	= `	19264.26	Total = (I) + (II) =	(III)	= `	20502.18
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1926.43
Add: Allowance for PF @13.61% of (L)		= `	917.65	Grand Total		= (III)+(IV)= `	22428.60
Add: Allowance for Employee' insurance @4.75% of (L)		= `	320.27	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	1237.92	Therefore, Unit cost		=	
				22428.60	÷	10.00	=Rs. 2242.86
This is rate with haunching and pipe, Say Rs.			2243.00	per	Mtr.		
Less: Rate with bedding CC and pipe (Item No.6d above) Rs.			1707.00	per	Mtr.		
Therefore, Extra rate for haunching is Rs.			536.00	per	Mtr.		

Rate Analysis for 10.00 Mtrs. of Item:
Extra over rate for collars of C.C. and encasement as specified in IS:1742/1960.
(a) 150mm dia. for Item No.6b above

Corresponding Item No. 8a of Section -XX of MbPT SOR 2014
New Item No. 8a of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-150mm di (Item No.5b above)	10.00	Mtrs.	326.02	3260.20		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	1.810	Cu.M.	4934.47	8931.39		TOTAL COST =				13310.71	
3.	Form work (Form work-'A', Section-IV)	4.800	Sq.M.	214.40	1029.11		Material cost @65% = (M) =				8651.96	
4.	Sundries, carriage etc.		Lumpsum		90.00		Labour cost @35% = (L) =				4658.75	
TOTAL =Rs.					13310.71							

Total of (M) + (L) =	(I)	= `	13310.71	Total = (I) + (II) =	(III)	= `	14166.05
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1331.07
Add: Allowance for PF @13.61% of (L)		= `	634.06	Grand Total		= (III)+(IV)= `	15497.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	221.29	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	855.35	Therefore, Unit cost		=	
This is rate with collars of c.c., bedding & encasement of pipe, Say Rs.			1550.00	15497.12	÷	10.00	=Rs. 1549.71
Less: Rate with bedding CC and pipe (Item No.6b above) Rs.			734.00				
Therefore, Extra rate for collars of c.c. & encasement is Rs.			816.00				

Rate Analysis for 10.00 Mtrs. of Item:
Extra over rate for collars of C.C. and encasement as specified in IS:1742/1960.
(b) 250mm dia. for Item No.6c above

Corresponding Item No. 8b of Section -XX of MbPT SOR 2014
New Item No. 8b of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-250mm di (Item No.5c above)	10.00	Mtrs.	522.52	5225.22		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	2.450	Cu.M.	4934.47	12089.45		TOTAL COST =				18679.62	
3.	Form work (Form work-'A', Section-IV)	5.900	Sq.M.	214.40	1264.95		Material cost @65% = (M) =				12141.76	
4.	Sundries, carriage etc.		Lumpsum		100.00		Labour cost @35% = (L) =				6537.87	
TOTAL =Rs.					18679.62							

Total of (M) + (L) =	(I)	= `	18679.62	Total = (I) + (II) =	(III)	= `	19879.98
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1867.96
Add: Allowance for PF @13.61% of (L)		= `	889.80	Grand Total		= (III)+(IV)= `	21747.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `	310.55	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	1200.35	Therefore, Unit cost		=	
This is rate with collars of c.c., bedding & encasement of pipe, Say Rs.			2175.00	21747.94	÷	10.00	=Rs. 2174.79
Less: Rate with bedding CC and pipe (Item No.6c above) Rs.			1267.00				
Therefore, Extra rate for collars of c.c. & encasement is Rs.			908.00				

Rate Analysis for 10.00 Mtrs. of Item:
Extra over rate for collars of C.C. and encasement as specified in IS:1742/1960.
(c) 300mm dia. for Item No.6d above

Corresponding Item No. 8c of Section -XX of MbPT SOR 2014
New Item No. 8c of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-300mm di (Item No.5d above)	10.00	Mtrs.	830.33	8303.29		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	2.790	Cu.M.	4934.47	13767.17		TOTAL COST =				23574.04	
3.	Form work (Form work-'A', Section-IV)	6.500	Sq.M.	214.40	1393.59		Material cost @65% = (M) =				15323.13	
4.	Sundries, carriage etc.		Lumpsum		110.00		Labour cost @35% = (L) =				8250.92	
TOTAL =Rs.					23574.04							

Total of (M) + (L) =	(I)	= `	23574.04	Total = (I) + (II) =	(III)	= `	25088.91
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2357.40
Add: Allowance for PF @13.61% of (L)		= `	1122.95	Grand Total		= (III)+(IV)= `	27446.32
Add: Allowance for Employee' insurance @4.75% of (L)		= `	391.92	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	1514.87	Therefore, Unit cost		=	
This is rate with collars of c.c., bedding & encasement of pipe, Say Rs.			2745.00	27446.32	÷	10.00	=Rs. 2744.63
Less: Rate with bedding CC and pipe (Item No.6d above) Rs.			1707.00				
Therefore, Extra rate for collars of c.c. & encasement is Rs.			1038.00				

Rate Analysis for 2.00 Mtrs. of Item:
Providing and fixing 150mm dia. NP2 class pipes in two halves with m.s. clamps 6mm thick 75mm wide exclusive of excavation etc.

Corresponding Item No. 9 of Section -XX of MbPT SOR 2014
 New Item No. 9 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe-150mm di	2.00	Mtrs.	212.71	425.42	1.	Mason II	0.078	No.	525.00	40.95	
2.	Cement for 5 joints	0.0012	MT	5762.73	6.92	2.	Mason III	0.078	No.	498.08	38.85	
3.	Sand	0.0016	Cu.M.	2994.92	4.79	3.	Bhisti	0.032	No.	478.85	15.32	
4.	m.s. clamps (Item No.1a, Section-XI)	0.0620	qntl.	5771.25	357.82	4.	Mazdoor-Male	0.156	No.	478.85	74.70	
5.	Tarred spun yarn		Lumpsum		8.00							
6.	Sundries, carriage etc.		Lumpsum		8.00							
TOTAL (M) =Rs.					810.95	TOTAL (L) =Rs.					169.82	

Total of (M) + (L) =	(I)	= `	980.77	Total = (I) + (II) =	(III)	= `	1011.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	98.08
Add: Allowance for PF @13.61% of (L)		= `	23.11	Grand Total	=	(III)+(IV)= `	1110.03
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.07	This is cost for	2.00	Mtrs.	
Total of allowances =	(II)	= `	31.18	Therefore, Unit cost	=		
				1110.03 ÷	2.00	=Rs.	555.02
			Say Rs.	555.00	per	Mtr.	

Rate Analysis for 1.00 No. of Item:
Inspection chamber (900X450mm, 500mm deep) with frame and cover etc.

Corresponding Item No. 10 of Section -XX of MbPT SOR 2014
 New Item No. 10 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble packing (Item No.1b, Section-XXI)	2.000	Sq.M.	329.42	658.83		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries. TOTAL COST = Material cost @65% = (M) = Labour cost @35% = Add: Fixing of CI steps - Lumpsum = Total Labour cost = (L) =					
2.	Cement concrete(1:3:6) (Item No.2a, Section-IV)	0.451	Cu.M.	4934.47	2225.45							
3.	Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	1.810	Sq.M.	1262.84	2285.74							8708.61
4.	Internal plaster (1:5) (Item No.2a, Section-IX)	1.360	Sq.M.	476.06	647.44							5660.60
5.	External plaster (1:3) (Item No.5a, Section-IX)	2.290	Sq.M.	573.60	1313.55							3048.01
6.	Coping&haunching (1:2:4) (Item No.1bi, Section-IV)	0.091	Cu.M.	5430.87	494.21							50.00
8.	CI steps	2.000	Nos.	459.32	918.65							3098.01
9.	PVC grating	1.000	No.	84.75	84.75							
10.	Sundries, carriage etc.		Lumpsum		80.00							
TOTAL =Rs.					8708.61							

Total of (M) + (L) =	(I)	= `	8758.61	Total = (I) + (II) =	(III)	= `	9327.41
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	875.86
Add: Allowance for PF @13.61% of (L)		= `	421.64	Grand Total	=	(III)+(IV)= `	10203.27
Add: Allowance for Employee' insurance @4.75% of (L)		= `	147.16	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	568.80	Therefore, Unit cost	=		
				10203.27 ÷	1.00	=Rs.	10203.27
Say Rs. 10203.00				per each			

Rate Analysis for 0.50 Mtr. of Item:
Extra over rate for additional depth of 500mm or part thereof for Item No.10 above.

Corresponding Item No. 11 of Section -XX of MbPT SOR 2014
 New Item No. 11 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
	Extra work:											
1.	Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	1.810	Sq.M.	1262.84	2285.74		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Internal plaster (1:5) (Item No.2a, Section-IX)	1.360	Sq.M.	476.06	647.44		TOTAL COST =				5185.37	
3.	External plaster (1:3) (Item No.5a, Section-IX)	2.290	Sq.M.	573.60	1313.55		Material cost @65% = (M) =				3370.49	
4.	CI steps	2.000	Nos.	459.32	918.65		Labour cost @35% = (L) =				1814.88	
5.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					5185.37							

Total of (M) + (L) =	(I)	= `	5185.37	Total = (I) + (II) =	(III)	= `	5518.59
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	518.54
Add: Allowance for PF @13.61% of (L)		= `	247.01				
Add: Allowance for Employee' insurance @4.75% of (L)		= `	86.21	Grand Total	=	(III)+(IV)= `	6037.12
Total of allowances =	(II)	= `	333.21	This is cost for additional 0.50 Mtr. depth			

Say Rs. 6037.00 per addl. 0.50 Mtr. depth

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI rectangular cover and frame 900X450mm etc.
(a) Medium duty (100 Kgs.)

Corresponding Item No. 12a of Section -XX of MbPT SOR 2014
 New Item No. 12a of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI cover and frame 900X450mm-Medium duty-100Kgs.	1.00	No.	7849.17	7849.17	1.	Fixing charges		Lumpsum		240.00	
2.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					7869.17	TOTAL (L) =Rs.					240.00	

Total of (M) + (L) =	(I)	= `	8109.17	Total = (I) + (II) =	(III)	= `	8153.24
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	810.92
Add: Allowance for PF @13.61% of (L)		= `	32.66	Grand Total		= (III)+(IV)= `	8964.16
Add: Allowance for Employee' insurance @4.75% of (L)		= `	11.40	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	44.06	Therefore, Unit cost		=	
				8964.16 ÷	1.00	=Rs.	8964.16
			Say Rs. 8964.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI rectangular cover and frame 900X450mm etc.
(b) Light duty (50 Kgs.)

Corresponding Item No. 12b of Section -XX of MbPT SOR 2014
 New Item No. 12b of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI cover and frame 900X450mm-Light duty-50Kgs.	1.00	No.	4131.37	4131.37	1.	Fixing charges		Lumpsum		180.00	
2.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					4151.37	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) =	(I)	= `	4331.37	Total = (I) + (II) =	(III)	= `	4364.42
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	433.14
Add: Allowance for PF @13.61% of (L)		= `	24.50	Grand Total	=	(III)+(IV)= `	4797.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.55	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	33.05	Therefore, Unit cost	=		
				4797.55 ÷	1.00	=Rs.	4797.55
			Say Rs. 4798.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing pre-cast (1:1.5:3) or M-20 grade RCC rectangular cover with angle iron nosing and frame 900X450mm etc.
(a) 100 mm thick

Corresponding Item No. 13a of Section -XX of MbPT SOR 2014
 New Item No. 13a of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast RCC rectangular cover and frame with Iron angle nosing-(1:1 1/2: 3) 100mm thick-900X450mm	1.00	No.	4481.37	4481.37	1.	Fixing charges		Lumpsum		120.00	
2.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					4501.37	TOTAL (L) =Rs.					120.00	

Total of (M) + (L) =	(I)	= `	4621.37	Total = (I) + (II) =	(III)	= `	4643.40
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	462.14
Add: Allowance for PF @13.61% of (L)		= `	16.33	Grand Total		(III)+(IV)= `	5105.54
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.70	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	22.03	Therefore, Unit cost	5105.54	÷	1.00 =Rs. 5105.54
			Say Rs. 5106.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing pre-cast (1:1.5:3) or M-20 grade RCC rectangular cover with angle iron nosing and frame 900X450mm etc.
(b) 75 mm thick

Corresponding Item No. 13b of Section -XX of MbPT SOR 2014
 New Item No. 13b of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast RCC rectangular cover and frame with Iron angle nosing-(1:1 1/2: 3) 75mm thick-900X450mm	1.00	No.	2669.50	2669.50	1.	Fixing charges		Lumpsum		85.00	
2.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					2689.50	TOTAL (L) =Rs.					85.00	

Total of (M) + (L) =	(I)	= `	2774.50	Total = (I) + (II) =	(III)	= `	2790.11
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	277.45
Add: Allowance for PF @13.61% of (L)		= `	11.57	Grand Total		= (III)+(IV)= `	3067.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.04	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	15.61	Therefore, Unit cost	3067.55	÷	1.00 =Rs. 3067.55
			Say Rs. 3068.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing pre-cast (1:1.5:3) or M-20 grade fibre reinforced concrete cover for inspection chamber (25 Ton load capacity) with frame, 25X3mm m.s. flat heavy duty 100 mm thick, 900X450mm etc.

Corresponding Item No. 14 of Section -XX of MbPT SOR 2014
 New Item No. 14 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast FRC cover and frame 900X450mm-100mm thick	1.00	No.	3022.04	3022.04	1.	Fixing charges		Lumpsum		180.00	
2.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					3042.04	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) =	(I)	= `	3222.04	Total = (I) + (II) =	(III)	= `	3255.09
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	322.20
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	24.50	Grand Total	=	(III)+(IV)= `	3577.29
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	8.55	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	33.05	Therefore, Unit cost	=		
				3577.29 ÷	1.00	=Rs.	3577.29
			Say Rs. 3577.00	per each			

Rate Analysis for 1.00 No. of Item:
Constructing brick masonry conical man-hole of 1.5 Mtrs. depth with one brick thick masonry in CM (1:4), bottom internal dia. 1.2 Mtrs. and top internal dia. 0.52 Mtr. etc.

Corresponding Item No. 15 of Section -XX of MbPT SOR 2014
 New Item No. 15 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble packing-250mm t (Item No.1a, Section-XXI)	3.800	Sq.M.	467.00	1774.61		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries. TOTAL COST = Material cost @65% = (M) = Labour cost @35% = Add: Fixing of CI steps - Lumpsum = Total Labour cost = (L) =					22985.48 14940.56 8044.92 240.00 8284.92
2.	Cement concrete(1:3:6) 230 mm thick (Item No.2a, Section-IV)	0.873	Cu.M.	4934.47	4307.79							
3.	Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	1.183	Cu.M.	5490.61	6495.39							
4.	Internal plaster (1:5) (Item No.2a, Section-IX)	4.060	Sq.M.	476.06	1932.79							
5.	External plaster (1:3) (Item No.5a, Section-IX)	6.220	Sq.M.	573.60	3567.81							
6.	Benching&Channel(1:2:4) (Item No.1b(i), Section-IV)	0.259	Cu.M.	5430.87	1406.60							
7.	CC Coping (Item No.1b(i), Section-IV)	0.115	Cu.M.	5430.87	624.55							
8.	CI steps	6.000	Nos.	459.32	2755.94							
9.	Sundries, carriage etc.		Lumpsum		120.00							
TOTAL =Rs.					22985.48							

Total of (M) + (L) = (I) = ` 23225.48
 Add: Allowance for Water charges @1% of (I) = ` 2322.55
 Add: Allowance for PF @13.61% of (L) = ` 1127.58
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 393.53
 Total of allowances = (II) = ` 1521.11

Total = (I) + (II) = (III) = ` 24746.59
 Add: Contractor's over-heads & profit @10% of (I) = (IV) = ` 2322.55
 Grand Total = (III)+(IV)= ` 27069.14

This is cost for 1.00 No.
 Therefore, Unit cost = 27069.14 ÷ 1.00 =Rs. 27069.14

Say Rs. 27069.00 per each

Rate Analysis for 0.50 Mtr. of Item:
Extra over rate for additional depth of 0.5 Mtr. upto 2 Mtrs. beyond 1.5 Mtrs. etc. for Item No.15 above

Corresponding Item No. 16 of Section -XX of MbPT SOR 2014

New Item No. 16 of Section -XX

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Extra work: Cement concrete(1:2:4) (Item No.1b(i), Section-IV)	0.005	Cu.M.	5430.87	27.15		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries. TOTAL COST = Material cost @65% = (M) = Labour cost @35% = (L) =				7989.44	
2.	Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	0.824	Cu.M.	5490.61	4524.26							
3.	Internal plaster (1:5) (Item No.2a, Section-IX)	1.810	Sq.M.	476.06	861.66						5193.13	
4.	External plaster (1:3) (Item No.5a, Section-IX)	2.890	Sq.M.	573.60	1657.71						2796.30	
5.	CI steps	2.000	Nos.	459.32	918.65							
TOTAL =Rs.					7989.44							

Total of (M) + (L) =	(I)	= `	7989.44	Total = (I) + (II) =	(III)	= `	8502.84
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	798.94
Add: Allowance for PF @13.61% of (L)		= `	380.58				
Add: Allowance for Employee' insurance @4.75% of (L)		= `	132.82	Grand Total	=	(III)+(IV)= `	9301.78
Total of allowances =	(II)	= `	513.40	This is cost for additional 0.50 Mtr. depth			

Say Rs. 9302.00 per addl. 0.50 Mtr. depth

Rate Analysis for 1.00 No. of Item:
Constructing brick masonry conical man-hole of 2 Mtrs. depth with one and half brick thick masonry in CM (1:4), bottom internal dia. 1.5 Mtrs. and top internal dia. 0.525 Mtr. etc.

Corresponding Item No. 17 of Section -XX of MbPT SOR 2014

New Item No. 17 of Section -XX

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble packing-250mm t (Item No.1a, Section-XXI)	4.906	Sq.M.	467.00	2291.11		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries. TOTAL COST = Material cost @65% = (M) = Labour cost @35% = Add: Fixing of CI steps - Lumpsum = Total Labour cost = (L) =					
2.	Cement concrete(1:3:6) 230 mm thick (Item No.2a, Section-IV)	1.471	Cu.M.	4934.47	7258.61							
3.	Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	1.794	Cu.M.	5490.61	9850.15							
4.	Internal plaster (1:5) (Item No.2a, Section-IX)	6.350	Sq.M.	476.06	3022.96							
5.	External plaster (1:3) (Item No.5a, Section-IX)	9.247	Sq.M.	573.60	5304.11							
6.	Benching&Channel(1:2:4) (Item No.1b(i), Section-IV)	0.406	Cu.M.	5430.87	2204.93							
7.	CC Coping (Item No.1b(i), Section-IV)	0.120	Cu.M.	5430.87	651.70							
8.	CI steps	8.000	Nos.	459.32	3674.59							
9.	Sundries, carriage etc.		Lumpsum		150.00							
TOTAL =Rs.					34408.16							

Total of (M) + (L) = (I) = ` 34648.16
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 1671.70
Add: Allowance for Employee' insurance @4.75% of (L) = ` 583.44
Total of allowances = (II) = ` 2255.13

Total = (I) + (II) = (III) = ` 36903.30
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 3464.82
Grand Total = (III)+(IV)= ` 40368.11
This is cost for 1.00 No.
Therefore, Unit cost =
40368.11 ÷ 1.00 =Rs. 40368.11

Say Rs. 40368.00 per each

Rate Analysis for 0.50 Mtr. of Item:
Extra over rate for additional depth of 0.5 Mtr. etc. for Item No.17 above

Corresponding Item No. 18 of Section -XX of MbPT SOR 2014

New Item No. 18 of Section -XX

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Extra work: Brick masonry in CM (1:4) (Item No.1a(i), Section-VI)	1.002	Cu.M.	5490.61	5501.59							
2.	Internal plaster (1:5) (Item No.2a, Section-IX)	2.360	Sq.M.	476.06	1123.49		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
3.	External plaster (1:3) (Item No.5a, Section-IX)	3.430	Sq.M.	573.60	1967.46		TOTAL COST =				9538.34	
4.	c.c. for fixing steps(1:2:4) (Item No.1b(i), Section-IV)	0.005	Cu.M.	5430.87	27.15		Material cost @65% = (M) =				6199.92	
5.	CI steps	2.000	Nos.	459.32	918.65		Labour cost @35% =				3338.42	
							Add: Fixing of CI steps - Lumpsum =				35.00	
							Total Labour cost = (L) =				3373.42	
TOTAL =Rs.					9538.34							

Total of (M) + (L) =	(I)	= `	9573.34	Total = (I) + (II) =	(III)	= `	10192.70
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	957.33
Add: Allowance for PF @13.61% of (L)		= `	459.12				
Add: Allowance for Employee' insurance @4.75% of (L)		= `	160.24	Grand Total	=	(III)+(IV)= `	11150.04
Total of allowances =	(II)	= `	619.36	This is cost for additional #REF! #REF! depth			

Say Rs. 11150.00 per addl. 0.50 Mtr. depth

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI circular man-hole cover and frame with clear opening of 500mm etc.
(a) Heavy duty - 100 Kgs.

Corresponding Item No. 19a of Section -XX of MbPT SOR 2014
 New Item No. 19a of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Circular CI frame & cover-Heavy duty(100kg)-500mm dia.	1.000	No.	18095.81	18095.81	1.	Fixing charges		Lumpsum		180.00	
2.	Concrete bedding (1:2:4) (Item No.1b(i), Section-IV)	0.053	Cu.M.	5430.87	287.84							
3.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					18413.65	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) =	(I)	= `	18593.65	Total = (I) + (II) =	(III)	= `	18626.70
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1859.36
Add: Allowance for PF @13.61% of (L)		= `	24.50	Grand Total	=	(III)+(IV)= `	20486.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.55	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	33.05	Therefore, Unit cost	=		
				20486.06 ÷	1.00	=Rs.	20486.06
			Say Rs. 20486.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI circular man-hole cover and frame with clear opening of 500mm etc.
(b) Medium duty - 50 Kgs.

Corresponding Item No. 19b of Section -XX of MbPT SOR 2014
 New Item No. 19b of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Circular CI frame & cover-Medium duty(50kg)-500mm dia.	1.000	No.	9110.20	9110.20	1.	Fixing charges		Lumpsum		180.00	
2.	Concrete bedding (1:2:4) (Item No.1b(i), Section-IV)	0.053	Cu.M.	5430.87	287.84							
3.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					9428.03	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) =	(I)	= `	9608.03	Total = (I) + (II) =	(III)	= `	9641.08
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	960.80
Add: Allowance for PF @13.61% of (L)		= `	24.50	Grand Total		=	(III)+(IV)= ` 10601.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.55	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	33.05	Therefore, Unit cost		=	
				10601.88	÷	1.00	=Rs. 10601.88
			Say Rs. 10602.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing heavy duty pre-cast RCC fibre reinforced concrete circular man-hole cover 35 Ton capacity, frame 25X3mm thick m.s. flat, clear opening - 540 mm etc.

Corresponding Item No. 20 of Section -XX of MbPT SOR 2014
 New Item No. 20 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Pre-cast RCC fibre reinforced circular man-hole cover & frame-Heavy duty	1.000	No.	3813.57	3813.57	1.	Fixing charges		Lumpsum		180.00	
2.	Concrete bedding (1:2:4) (Item No.1b(i), Section-IV)	0.053	Cu.M.	5430.87	287.84							
3.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					4131.41	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) =	(I)	= `	4311.41	Total = (I) + (II) =	(III)	= `	4344.45
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	431.14
Add: Allowance for PF @13.61% of (L)		= `	24.50	Grand Total		= (III)+(IV)= `	4775.59
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.55	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	33.05	Therefore, Unit cost	4775.59	÷	1.00 =Rs. 4775.59
			Say Rs. 4776.00		per each		

Rate Analysis for 1.00 No. of Item:
Construction of brick masonry single water gully 450X450mm opening size and of required depth etc.

Corresponding Item No. 21 of Section -XX of MbPT SOR 2014

New Item No. 21 of Section -XX

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble packing-250mm t (Item No.1a, Section-XXI)	2.110	Sq.M.	467.00	985.38		TOTAL COST =				18519.92	
2.	Cement concrete(1:3:6) 225mm thick (Item No.2a, Section-IV)	0.480	Cu.M.	4934.47	2368.55		Material cost @65% = (M) =				12037.95	
3.	Brick masonry in CM (1:5 (Item No.1b(i), Section-VI)	5.400	Sq.M.	1240.37	6698.01		Labour cost @35% =				6481.97	
4.	Internal plaster (1:5) (Item No.2a, Section-IX)	7.500	Sq.M.	476.06	3570.43		Add: Fixing charges:					
5.	External plaster (1:3) (Item No.5a, Section-IX)	4.100	Sq.M.	573.60	2351.77		CI diaphragm		Lumpsum		120.00	
6.	Fillets (1:2:4) (Item No.1b(i), Section-IV)	0.060	Cu.M.	5430.87	325.85		RCC Dhapa		Lumpsum		60.00	
7.	CC Coping (1:2:4) (Item No.1b(i), Section-IV)	0.200	Cu.M.	5430.87	1086.17		Total Labour cost = (L) =				6661.97	
8.	CI diaphragm-450X450	1.000	No.	440.68	440.68							
9.	RCC Dhapa (Item No.1b(i), Section-IV)	0.100	Cu.M.	5430.87	543.09							
10.	Sundries, carriage etc.		Lumpsum		150.00							
TOTAL =Rs.					18519.92							

Total of (M) + (L) = (I) = ` 18699.92
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 906.69
Add: Allowance for Employee' insurance @4.75% of (L) = ` 316.44
Total of allowances = (II) = ` 1223.14

Total = (I) + (II) = (III) = ` 19923.06
Add: Contractor's over-heads & profit @10% of (I) = (IV) = ` 1869.99
Grand Total = (III)+(IV)= ` 21793.05

This is cost for 1.00 No.

Therefore, Unit cost = 21793.05 ÷ 1.00 =Rs. 21793.05

Say Rs. 21793.00 per each

Rate Analysis for 1.00 No. of Item:
Construction of brick masonry double water gully 900X450mm opening size and of required depth etc.

Corresponding Item No. 22 of Section -XX of MbPT SOR 2014
 New Item No. 22 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble packing-250mm t (Item No.1a, Section-XXI)	2.910	Sq.M.	467.00	1358.98		TOTAL COST =				23797.01	
2.	Cement concrete(1:3:6) 225mm thick (Item No.2a, Section-IV)	0.660	Cu.M.	4934.47	3256.75		Material cost @65% = (M) =				15468.06	
3.	Brick masonry in CM (1:5 (Item No.1b(i), Section-VI)	6.550	Sq.M.	1240.37	8124.43		Labour cost @35% =				8328.95	
4.	Internal plaster (1:5) (Item No.2a, Section-IX)	4.500	Sq.M.	476.06	2142.26		Add: Fixing charges:					
5.	External plaster (1:3) (Item No.5a, Section-IX)	9.000	Sq.M.	573.60	5162.43		CI diaphragm		Lumpsum		120.00	
6.	Fillets (1:2:4) (Item No.1b(i), Section-IV)	0.100	Cu.M.	5430.87	543.09		RCC Dhapa		Lumpsum		60.00	
7.	CC Coping (1:2:4) (Item No.1b(i), Section-IV)	0.290	Cu.M.	5430.87	1574.95		Total Labour cost = (L) =				8508.95	
8.	CI diaphragm-900X450	1.000	No.	669.49	669.49							
9.	RCC Dhapa (Item No.1b(i), Section-IV)	0.150	Cu.M.	5430.87	814.63							
10.	Sundries, carriage etc.		Lumpsum		150.00							
TOTAL =Rs.					23797.01							

Total of (M) + (L) = (I) = ` 23977.01
 Add: Allowance for Water charges @1% of (I) = `
 Add: Allowance for PF @13.61% of (L) = ` 1158.07
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 404.18

Total = (I) + (II) = (III) = ` 25539.25
 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2397.70
 Grand Total = (III)+(IV)= ` 27936.95
 This is cost for 1.00 No.

Total of allowances = (II) = ` 1562.24 Therefore, Unit cost = 27936.95 ÷ 1.00 =Rs. 27936.95
Say Rs. 27937.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing pre-cast, RCC fibre reinforced water gully frame and cover of 15 Ton capacity etc.
(a) Opening of 450X450mm

Corresponding Item No. 23a of Section -XX of MbPT SOR 2014
 New Item No. 23a of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRC Water gully cover and frame 450X450mm	1.000	No.	2050.01	2050.01	1.	Fixing charges		Lumpsum		180.00	
2.	Cement concrete (1:2:4) (Item No.1b(i), Section-IV)	0.060	Cu.M.	5430.87	325.85							
3.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					2395.86	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) = (I) = ` 2575.86 Total = (I) + (II) = (III) = ` 2608.91
 Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 257.59
 Add: Allowance for PF @13.61% of (L) = ` 24.50 Grand Total = (III)+(IV)= ` 2866.49
 Add: Allowance for Employee' insurance @4.75% of (L) = ` 8.55 This is cost for 1.00 No.
 Therefore, Unit cost = 2866.49 ÷ 1.00 =Rs. 2866.49
 Total of allowances = (II) = ` 33.05
Say Rs. 2866.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing pre-cast, RCC fibre reinforced water gully frame and cover of 15 Ton capacity etc.
(b) Opening of 900X450mm

Corresponding Item No. 23b of Section -XX of MbPT SOR 2014
 New Item No. 23b of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRC Water gully cover and frame 900X450mm	1.000	No.	2622.04	2622.04	1.	Fixing charges		Lumpsum		360.00	
2.	Cement concrete (1:2:4) (Item No.1b(i), Section-IV)	0.080	Cu.M.	5430.87	434.47							
3.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					3076.51	TOTAL (L) =Rs.					360.00	

Total of (M) + (L) =	(I)	= `	3436.51	Total = (I) + (II) =	(III)	= `	3502.61
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	343.65
Add: Allowance for PF @13.61% of (L)		= `	49.00	Grand Total		=	(III)+(IV)= ` 3846.26
Add: Allowance for Employee' insurance @4.75% of (L)		= `	17.10	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	66.10	Therefore, Unit cost	3846.26	÷	1.00 =Rs. 3846.26
			Say Rs. 3846.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing pre-cast 100mm thick RCC (1:2:4) or M-15 grade grating with CI frame for water gullies etc.
(a) Opening of 450X450mm

Corresponding Item No. 24a of Section -XX of MbPT SOR 2014
 New Item No. 24a of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	RCC (1:2:4) cover and frame 450X450mm	1.000	No.	3622.73	3622.73	1.	Fixing charges		Lumpsum		180.00	
2.	Cement concrete (1:2:4) (Item No.1b(i), Section-IV)	0.060	Cu.M.	5430.87	325.85							
3.	Sundries, carriage etc.		Lumpsum		8.00							
TOTAL (M) =Rs.					3956.58	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) =	(I)	= `	4136.58	Total = (I) + (II) =	(III)	= `	4169.63
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	413.66
Add: Allowance for PF @13.61% of (L)		= `	24.50	Grand Total		=	(III)+(IV)= ` 4583.29
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.55	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	33.05	Therefore, Unit cost	4583.29	÷	1.00 =Rs. 4583.29
			Say Rs. 4583.00			per each	

Rate Analysis for 1.00 No. of Item:
Providiing & fixing pre-cast 100mm thick RCC (1:2:4) or M-15 grade grating with CI frame for water gullies etc.
(b) Opening of 900X450mm

Corresponding Item No. 24b of Section -XX of MbPT SOR 2014
 New Item No. 24b of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	RCC (1:2:4) cover and frame 900X450mm	1.000	No.	7245.46	7245.46	1.	Fixing charges		Lumpsum		210.00	
2.	Cement concrete (1:2:4) (Item No.1b(i), Section-IV)	0.080	Cu.M.	5430.87	434.47							
3.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					7699.93	TOTAL (L) =Rs.					210.00	

Total of (M) + (L) =	(I)	= `	7909.93	Total = (I) + (II) =	(III)	= `	7948.48
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	790.99
Add: Allowance for PF @13.61% of (L)		= `	28.58	Grand Total		=	(III)+(IV)= ` 8739.48
Add: Allowance for Employee' insurance @4.75% of (L)		= `	9.98	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	38.56	Therefore, Unit cost	8739.48	÷	1.00 =Rs. 8739.48
			Say Rs. 8739.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing CI rungs in man-holes etc.

Corresponding Item No. 25 of Section -XX of MbPT SOR 2014
 New Item No. 25 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Rungs	1.000	No.	503.39	503.39	1.	Fixing charges		Lumpsum		24.00	
2.	Cement concrete (1:2:4)		Lumpsum		30.00							
3.	Sundries, carriage etc.		Lumpsum		8.00							
TOTAL (M) =Rs.					541.39	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	565.39	Total = (I) + (II) =	(III)	= `	569.80
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	56.54
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	626.34
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	=		
				626.34 ÷	1.00	=Rs.	626.34
			Say Rs. 626.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and supplying 150X300mm, 25mm thick RCC rectangular grating etc.

Corresponding Item No. 26 of Section -XX of MbPT SOR 2014
 New Item No. 26 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	RCC Rectangular grating-150X300mm, 25mm thick	1.000	No.	67.21	67.21	1.	Fixing charges		Lumpsum		24.00	
2.	Cement concrete (1:2:4)		Lumpsum		30.00							
3.	Sundries, carriage etc.		Lumpsum		5.00							
TOTAL (M) =Rs.					102.21	TOTAL (L) =Rs.					24.00	

Total of (M) + (L) =	(I)	= `	126.21	Total = (I) + (II) =	(III)	= `	130.62
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	12.62
Add: Allowance for PF @13.61% of (L)		= `	3.27	Grand Total	=	(III)+(IV)= `	143.24
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.14	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	4.41	Therefore, Unit cost	=		
				143.24	÷	1.00	=Rs. 143.24
			Say Rs. 143.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing 150mm dia. cast iron drop connection in man-holes including (1) inspection and cleaning eye with chain and lid, (2) CI drop pipe and bend encased with CC (1:3:6) etc.

Corresponding Item No. 27 of Section -XX of MbPT SOR 2014
 New Item No. 27 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Pipe-150mm dia.2.20M	1.000	No.	4623.74	4623.74	1.	Mason II	0.70	No.	525.00	367.50	
2.	CI Bend-150mm dia.	1.000	No.	975.43	975.43	2.	Mason III	0.70	No.	498.08	348.66	
3.	CI Cover and lid	1.000	No.	505.93	505.93	3.	Beldar	0.70	No.	478.85	335.20	
4.	Cement concrete (1:3:6) (Item No.2a, Section-IV)	0.400	Cu.M.	4934.47	1973.79							
5.	Lead for joints		Lumpsum		100.00							
6.	Breaking, making and plastering		Lumpsum		80.00							
7.	Cement mortar		Lumpsum		80.00							
8.	Sundries, carriage etc.		Lumpsum		50.00							
TOTAL (M) =Rs.					8388.89	TOTAL (L) =Rs.					1051.35	

Total of (M) + (L) =	(I)	= `	9440.24	Total = (I) + (II) =	(III)	= `	9633.27
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	944.02
Add: Allowance for PF @13.61% of (L)		= `	143.09	Grand Total	=	(III)+(IV)= `	10577.29
Add: Allowance for Employee' insurance @4.75% of (L)		= `	49.94	This is cost for	1.00	No.	
				Therefore, Unit cost	=		
				10577.29	÷	1.00	=Rs. 10577.29

Total of allowances = (II) = ` 193.03
Say Rs. 10577.00 per each

Rate Analysis for 1.00 No. of Item:
Making connection to existing man-holes etc.

Corresponding Item No. 28 of Section -XX of MbPT SOR 2014
 New Item No. 28 of Section -XX
 NBO Ref. No.24.36(i) Page:596 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement concrete (1:2:4)	0.004	Cu.M.	4216.31	16.87	1.	Mason II	0.08	No.	525.00	42.00	
	(Material cost of Item No.1b(i), Section-IV)					2.	Mason III	0.08	No.	498.08	39.85	
2.	Plaster in CM (1:3)	0.120	Sq.M.	235.92	28.31	3.	Mazdoor-Male	0.17	No.	478.85	81.40	
	(Material cost of Item No.5a, Section-IX)											
3.	Sundries, carriage etc.		Lumpsum		50.00							
TOTAL (M) =Rs.					95.18	TOTAL (L) =Rs.					163.25	

Total of (M) + (L) = (I) = ` 258.43 Total = (I) + (II) = (III) = ` 288.40

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 25.84

Add: Allowance for PF @13.61% of (L) = ` 22.22 Grand Total = (III)+(IV)= ` 314.24

Add: Allowance for Employee' insurance @4.75% of (L) = ` 7.75 This is cost for 1.00 No.

Therefore, Unit cost = 314.24 ÷ 1.00 =Rs. 314.24

Total of allowances = (II) = ` 29.97
Say Rs. 314.00 per each

Rate Analysis for 1.00 No. of Item:
Raising and lowering man-holes or chambers etc.

Corresponding Item No. 29 of Section -XX of MbPT SOR 2014
 New Item No. 29 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement concrete (1:2:4)	0.110	Cu.M.	5430.87	597.40	1.	Removing charges		Lumpsum		120.00	
	(Item No.1b(i), Section-IV)					2.	Fixing charges		Lumpsum		180.00	
2.	Sundries, carriage etc.		Lumpsum		300.00							
TOTAL (M) =Rs.					897.40	TOTAL (L) =Rs.					300.00	

Total of (M) + (L) =	(I)	= `	1197.40	Total = (I) + (II) =	(III)	= `	1252.48
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	119.74
Add: Allowance for PF @13.61% of (L)		= `	40.83	Grand Total	=	(III)+(IV)= `	1372.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	14.25	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	55.08	Therefore, Unit cost	=		
				1372.22 ÷	1.00	=Rs.	1372.22
			Say Rs. 1372.00	per each			

Rate Analysis for 1.00 No. of Item:
20 guage GI sheet vent shaft with teak wood post with CC (1:3:6) foundation block etc.

Corresponding Item No. 30 of Section -XX of MbPT SOR 2014
 New Item No. 30 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				23358.00							
2.	Add: AICPI rise = 13.30%				3106.61							
TOTAL (M) =Rs.					26464.61	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 26464.61 Total = (III)=Rs. 26464.61

Add: for Water charges charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 26464.61 Grand Total = (III)+(IV) =Rs. 26464.61

This is cost for 1.00 No.

Therefore, Unit cost =
 26464.61 ÷ 1.00 =Rs. 26464.61

Say Rs. 26465.00 per each

Rate Analysis for 1.00 No. of Item:
GI sheet vent shaft with RCC post and RCC footing etc.

Corresponding Item No. 31 of Section -XX of MbPT SOR 2014
 New Item No. 31 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				9974.00							
2.	Add: AICPI rise = 13.30%				1326.54							
TOTAL (M) =Rs.					11300.54	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 11300.54 Total = (III)=Rs. 11300.54

Add: for Water charges charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 11300.54 Grand Total = (III)+(IV) =Rs. 11300.54

This is cost for 1.00 No.

Therefore, Unit cost =
 11300.54 ÷ 1.00 =Rs. 11300.54

Say Rs. 11301.00 per each

Rate Analysis for 1.00 No. of Item:
GI sheet vent shaft 200X100mm fixed to wall of building (min. height 16 Mtrs.) etc.

Corresponding Item No. 32 of Section -XX of MbPT SOR 2014
 New Item No. 32 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				9451.00							
2.	Add: AICPI rise = 13.30%				1256.98							
TOTAL (M) =Rs.					10707.98	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 10707.98 Total = (III)=Rs. 10707.98

Add: for Water charges charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 10707.98 Grand Total = (III)+(IV) =Rs. 10707.98

This is cost for 1.00 No.

Therefore, Unit cost =
 10707.98 ÷ 1.00 =Rs. 10707.98

Say Rs. 10708.00 per each

Rate Analysis for 1.00 No. of Item:
Providing and fixing H.P. Septic tank 1200 mm dia. and 2.5 Mtr. long including 250 mm rubble packing, C.C. (1:3:6) bedding, AC Vent pipe with cowl etc.

Corresponding Item No. 33 of Section -XX of MbPT SOR 2014
 New Item No. 33 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				23060.00							
2.	Add: AICPI rise = 13.30%				3066.98							
TOTAL (M) =Rs.					26126.98	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 26126.98 Total = (III)=Rs. 26126.98

Add: for Water charges charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 26126.98 Grand Total = (III)+(IV) =Rs. 26126.98

This is cost for 1.00 No.

Therefore, Unit cost =
 26126.98 ÷ 1.00 =Rs. 26126.98

Say Rs. 26127.00 per each

Rate Analysis for 1.00 No. of Item:
Constructing brick masonry single water gully with 600X600mm clear opening etc.

Corresponding Item No. 34 of Section -XX of MbPT SOR 2014

New Item No. 34 of Section -XX

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS	
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.		
1.	Rubble packing-150mm t (Item No.1b, Section-XXI)	2.860	Sq.M.	329.42	942.13		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.						
2.	RCC incl. form work (1:1.5:3) (Item No.1, Section-V)	0.511	Cu.M.	11757.79	6008.23								
3.	Concrete incl. form work (1:1.5:3) (Item No.3aii, Section-IV)	0.096	Cu.M.	6689.80	642.22		TOTAL COST =						22925.83
4.	Brick masonry in CM (1:5 (Item No.1b(i), Section-VI)	1.252	Cu.M.	5392.92	6751.93		Material cost @65% = (M) =						14901.79
5.	Plaster-20 mm thick (1:5 (Item No.2a, Section-IX)	8.920	Sq.M.	476.06	4246.43		Labour cost @35% = (L) =						8024.04
6.	Concrete M15-including f (Item No.5, Section-IX)	0.292	Cu.M.	6284.80	1835.16								
7.	Structural steel (Item No.1a, Section-XI)	0.331	qntl.	6054.37	2004.00								
8.	Reinforcement steel (Item No.16, Section-V)	0.0821	qntl.	5794.51	475.73								
9.	Sundries, carriage etc.		Lumpsum		20.00								
TOTAL =Rs.					22925.83								

Total of (M) + (L) = (I) = ` 22925.83
Add: Allowance for Water charges @1% of (I) = ` 1092.07
Add: Allowance for PF @13.61% of (L) = ` 381.14
Add: Allowance for Employee' insurance @4.75% of (L) = ` 1473.21
Total of allowances = (II) = ` 1473.21

Total = (I) + (II) = (III) = ` 24399.05

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2292.58

Grand Total = (III)+(IV)= ` 26691.63

This is cost for 1.00 No.

Therefore, Unit cost =

26691.63 ÷ 1.00 =Rs. 26691.63

Say Rs. 26692.00 per each

Rate Analysis for 1.00 No. of Item:
Providing & fixing heavy duty CI grating 12mm thick etc.

Corresponding Item No. 35 of Section -XX of MbPT SOR 2014
 New Item No. 35 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				7876.00							
2.	Add: AICPI rise = 13.30%				1047.51							
TOTAL (M) =Rs.					8923.51	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 8923.51 Total = (III)=Rs. 8923.51

Add: for Water charges charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 8923.51 Grand Total = (III)+(IV) =Rs. 8923.51

This is cost for 1.00 No.

Therefore, Unit cost =
 8923.51 ÷ 1.00 =Rs. 8923.51

Say Rs. 8924.00 per each

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP2 class 450mm dia. RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc. including 150mm thick rubble packing & CC (1:3:6) in bedding etc.

Corresponding Item No. 36 of Section -XX of MbPT SOR 2014
 New Item No. 36 of Section -XX
 NBO Ref. No.24.22e&24.3i Page:536&489 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP2 class pipe with collars-2Mtrs. long-450mm dia.	10.00	Mtrs.	1724.58	17245.81	1.	Mason I	0.75	No.	540.38	405.29	
2.	Cement for 5 joints	0.0240	MT	5762.73	138.31	2.	Mason II	0.75	No.	525.00	393.75	
3.	Sand	0.033	Cu.M.	2994.92	98.83	3.	Bhisti	0.33	No.	478.85	158.02	
4.	Tarred spun yarn		Lumpsum		30.00	4.	Mazdoor-Male	1.50	No.	478.85	718.28	
5.	Rubble packing-150mm t (Item No.1b, Section-XXI)	6.50	Sq.M.	329.42	2141.21	5.	Mason I	0.50	No.	540.38	270.19	
6.	Cement concrete (1:3:6) (Item No.2a, Section-IV)	1.55	Cu.M.	4934.47	7648.43	6.	Mazdoor-Male	1.00	No.	478.85	478.85	
7.	Form work (Form work-'A', Section-IV)	6.00	Sq.M.	214.40	1286.39							
8.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					28608.98	TOTAL (L) =Rs.					2424.37	

Total of (M) + (L) = (I) = ` 31033.35

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Total = (I) + (II) = (III) = ` 31478.46

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 34581.80

This is cost for 10.00 Mtrs.

Add: Allowance for Employee' insurance @4.75% of (L) = ` 115.16

Therefore, Unit cost = 34581.80 ÷ 10.00 =Rs. 3458.18

Total of allowances = (II) = ` 445.11
Say Rs. 3458.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(a) 100mm dia.

Corresponding Item No. 37a of Section -XX of MbPT SOR 2014
New Item No. 37a of Section -XX
NBO Ref. No.24.22a Page:534 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-100mm dia.	10.00	Mtrs.	191.07	1910.74	1.	Mason I	0.32	No.	540.38	172.92	
2.	Cement for 5 joints	0.005	MT	5762.73	28.81	2.	Mason II	0.32	No.	525.00	168.00	
3.	Sand	0.006	Cu.M.	2994.92	17.97	3.	Bhisti	0.16	No.	478.85	76.62	
4.	Tarred spun yarn		Lumpsum		30.00	4.	Mazdoor-Male	0.63	No.	478.85	301.68	
5.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					2007.53	TOTAL (L) =Rs.					719.21	

Total of (M) + (L) = (I) = ` 2726.74 Total = (I) + (II) = (III) = ` 2858.79

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 272.67

Add: Allowance for PF @13.61% of (L) = ` 97.88 Grand Total = (III)+(IV)= ` 3131.46

Add: Allowance for Employee' insurance @4.75% of (L) = ` 34.16 This is cost for 10.00 Mtrs.
Therefore, Unit cost = 3131.46 ÷ 10.00 =Rs. 313.15

Total of allowances = (II) = ` 132.05

Say Rs. 313.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(b) 150mm dia.

Corresponding Item No. 37b of Section -XX of MbPT SOR 2014
 New Item No. 37b of Section -XX
 NBO Ref. No.24.22b Page:535 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-150mm dia.	10.00	Mtrs.	259.25	2592.46	1.	Mason I	0.39	No.	540.38	210.75	
2.	Cement for 5 joints	0.006	MT	5762.73	34.58	2.	Mason II	0.39	No.	525.00	204.75	
3.	Sand	0.008	Cu.M.	2994.92	23.96	3.	Bhisti	0.16	No.	478.85	76.62	
4.	Tarred spun yarn		Lumpsum		30.00	4.	Mazdoor-Male	0.78	No.	478.85	373.50	
5.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					2701.00	TOTAL (L) =Rs.					865.62	

Total of (M) + (L) =	(I)	= `	3566.62	Total = (I) + (II) =	(III)	= `	3725.55
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	356.66
Add: Allowance for PF @13.61% of (L)		= `	117.81	Grand Total		(III)+(IV)= `	4082.21
Add: Allowance for Employee' insurance @4.75% of (L)		= `	41.12	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	158.93	Therefore, Unit cost		=	
				4082.21 ÷ 10.00		=Rs.	408.22

Say Rs. 408.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(c) 250mm dia.

Corresponding Item No. 37c of Section -XX of MbPT SOR 2014
 New Item No. 37c of Section -XX
 NBO Ref. No.24.22c Page:535 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-250mm dia.	10.00	Mtrs.	652.92	6529.17	1.	Mason I	0.54	No.	540.38	291.81	
2.	Cement for 5 joints	0.009	MT	5762.73	51.86	2.	Mason II	0.54	No.	525.00	283.50	
3.	Sand	0.012	Cu.M.	2994.92	35.94	3.	Bhisti	0.23	No.	478.85	110.14	
4.	Tarred spun yarn		Lumpsum		40.00	4.	Mazdoor-Male	1.05	No.	478.85	502.79	
5.	Sundries, carriage etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					6676.97	TOTAL (L) =Rs.					1188.23	

Total of (M) + (L) =	(I)	= `	7865.21	Total = (I) + (II) =	(III)	= `	8083.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	786.52
Add: Allowance for PF @13.61% of (L)		= `	161.72	Grand Total		(III)+(IV)= `	8869.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `	56.44	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	218.16	Therefore, Unit cost		=	
				8869.89 ÷ 10.00		=Rs.	886.99

Say Rs. 887.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(d) 300mm dia.

Corresponding Item No. 37d of Section -XX of MbPT SOR 2014
 New Item No. 37d of Section -XX
 NBO Ref. No.24.22d Page:535 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-300mm dia.	10.00	Mtrs.	1318.65	13186.48	1.	Mason I	0.59	No.	540.38	318.82	
2.	Cement for 5 joints	0.011	MT	5762.73	63.39	2.	Mason II	0.59	No.	525.00	309.75	
3.	Sand	0.015	Cu.M.	2994.92	44.92	3.	Bhisti	0.25	No.	478.85	119.71	
4.	Tarred spun yarn		Lumpsum		40.00	4.	Mazdoor-Male	1.16	No.	478.85	555.47	
5.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					13364.79	TOTAL (L) =Rs.					1303.75	

Total of (M) + (L) =	(I)	= `	14668.54	Total = (I) + (II) =	(III)	= `	14907.91
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1466.85
Add: Allowance for PF @13.61% of (L)		= `	177.44	Grand Total	=	(III)+(IV)= `	16374.77
Add: Allowance for Employee' insurance @4.75% of (L)		= `	61.93	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	239.37	Therefore, Unit cost	=		
				16374.77 ÷ 10.00	=Rs.		1637.48

Say Rs. 1637.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc.
(e) 450mm dia.

Corresponding Item No. 37e of Section -XX of MbPT SOR 2014
 New Item No. 37e of Section -XX
 NBO Ref. No.24.22e Page:536 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-450mm dia.	10.00	Mtrs.	2012.72	20127.18	1.	Mason I	0.75	No.	540.38	405.29	
2.	Cement for 5 joints	0.024	MT	5762.73	138.31	2.	Mason II	0.75	No.	525.00	393.75	
3.	Sand	0.033	Cu.M.	2994.92	98.83	3.	Bhisti	0.33	No.	478.85	158.02	
4.	Tarred spun yarn		Lumpsum		40.00	4.	Mazdoor-Male	1.50	No.	478.85	718.28	
5.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					20434.31	TOTAL (L) =Rs.					1675.33	

Total of (M) + (L) =	(I)	= `	22109.64	Total = (I) + (II) =	(III)	= `	22417.23
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2210.96
Add: Allowance for PF @13.61% of (L)		= `	228.01	Grand Total		(III)+(IV)= `	24628.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	79.58	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	307.59	Therefore, Unit cost		=	
				24628.20 ÷ 10.00		=Rs.	2462.82

Say Rs. 2463.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:
Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc. including 150mm thick rubble packing & 100 mm thick c.c. (1:3:6) in bedding etc. (a) 100mm dia.

Corresponding Item No. 38a of Section -XX of MbPT SOR 2014
 New Item No. 38a of Section -XX
 NBO Ref. No.24.3a Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-100mm dia. (Item No.37a above)	10.00	Mtrs.	285.88	2858.79		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Rubble packing-150mm t (Item No.1b, Section-XXI)	4.20	Sq.M.	329.42	1383.55		TOTAL COST =				7221.46	
3.	Cement concrete (1:3:6) (Item No.2a, Section-IV)	0.476	Cu.M.	4934.47	2348.81		Material cost @65% = (M) =				4693.95	
4.	Form work (Form work-'A', Section-IV)	2.80	Sq.M.	214.40	600.31		Labour cost @35% = (L) =				2527.51	
5.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL =Rs.					7221.46							

Total of (M) + (L) =	(I)	= `	7221.46	Total = (I) + (II) =	(III)	= `	7685.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	722.15
Add: Allowance for PF @13.61% of (L)		= `	343.99	Grand Total		=	(III)+(IV)= ` 8407.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	120.06	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	464.05				

Therefore, Unit cost =

$$\frac{8407.66}{10.00} = \text{Rs. } 840.77$$

Say Rs. 841.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:

Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc. including 150mm thick rubble packing & 100 mm thick c.c. (1:3:6) in bedding etc. (b) 150mm dia.

Corresponding Item No. 38b of Section -XX of MbPT SOR 2014
 New Item No. 38b of Section -XX
 NBO Ref. No.24.3b Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-150mm dia. (Item No.37b above)	10.00	Mtrs.	372.55	3725.55		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Rubble packing-150mm t (Item No.1b, Section-XXI)	4.50	Sq.M.	329.42	1482.38		TOTAL COST =				8357.12	
3.	Cement concrete (1:3:6) (Item No.2a, Section-IV)	0.476	Cu.M.	4934.47	2348.81		Material cost @65% = (M) =				5432.13	
4.	Form work (Form work-'A', Section-IV)	3.50	Sq.M.	214.40	750.39		Labour cost @35% = (L) =				2924.99	
5.	Sundries, carriage etc.		Lumpsum		50.00							
TOTAL =Rs.					8357.12							

Total of (M) + (L) =	(I)	= `	8357.12	Total = (I) + (II) =	(III)	= `	8894.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	835.71
Add: Allowance for PF @13.61% of (L)		= `	398.09				
Add: Allowance for Employee' insurance @4.75% of (L)		= `	138.94	Grand Total	=	(III)+(IV)= `	9729.86
Total of allowances =	(II)	= `	537.03	This is cost for	10.00	Mtrs.	

Therefore, Unit cost =
 9729.86 ÷ 10.00 =Rs. 972.99

Say Rs. 973.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:

Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc. including 150mm thick rubble packing & 100 mm thick c.c. (1:3:6) in bedding etc. (c) 250mm dia.

Corresponding Item No. 38c of Section -XX of MbPT SOR 2014
 New Item No. 38c of Section -XX
 NBO Ref. No.24.3e Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-250mm dia. (Item No.37c above)	10.00	Mtrs.	808.34	8083.37		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Rubble packing-150mm t (Item No.1b, Section-XXI)	5.50	Sq.M.	329.42	1811.79		TOTAL COST =				15767.22	
3.	Cement concrete (1:3:6) (Item No.2a, Section-IV)	1.00	Cu.M.	4934.47	4934.47		Material cost @65% = (M) =				10248.69	
4.	Form work (Form work-'A', Section-IV)	4.00	Sq.M.	214.40	857.59		Labour cost @35% = (L) =				5518.53	
5.	Sundries, carriage etc.		Lumpsum		80.00							
TOTAL =Rs.					15767.22							

Total of (M) + (L) =	(I)	= `	15767.22	Total = (I) + (II) =	(III)	= `	16780.42
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1576.72
Add: Allowance for PF @13.61% of (L)		= `	751.07				
Add: Allowance for Employee' insurance @4.75% of (L)		= `	262.13	Grand Total	=	(III)+(IV)= `	18357.15
Total of allowances =	(II)	= `	1013.20	This is cost for	10.00	Mtrs.	

Therefore, Unit cost =

$$\frac{18357.15}{10.00} = \text{Rs. } 1835.71$$

Say Rs. 1836.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:

Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc. including 150mm thick rubble packing & 100 mm thick c.c. (1:3:6) in bedding etc. (d) 300mm dia.

Corresponding Item No. 38d of Section -XX of MbPT SOR 2014
 New Item No. 38d of Section -XX
 NBO Ref. No.24.3f Page: Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-300mm dia. (Item No.37d above)	10.00	Mtrs.	1490.79	14907.91		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Rubble packing-150mm t (Item No.1b, Section-XXI)	6.00	Sq.M.	329.42	1976.50		TOTAL COST =				23554.50	
3.	Cement concrete (1:3:6) (Item No.2a, Section-IV)	1.14	Cu.M.	4934.47	5625.30		Material cost @65% = (M) =				15310.43	
4.	Form work (Form work-'A', Section-IV)	4.50	Sq.M.	214.40	964.79		Labour cost @35% = (L) =				8244.08	
5.	Sundries, carriage etc.		Lumpsum		80.00							
TOTAL =Rs.					23554.50							

Total of (M) + (L) =	(I)	= `	23554.50	Total = (I) + (II) =	(III)	= `	25068.11
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2355.45
Add: Allowance for PF @13.61% of (L)		= `	1122.02				
Add: Allowance for Employee' insurance @4.75% of (L)		= `	391.59	Grand Total	=	(III)+(IV)= `	27423.56
Total of allowances =	(II)	= `	1513.61	This is cost for	10.00	Mtrs.	

Therefore, Unit cost =

$$\frac{27423.56}{10.00} = \text{Rs. } 2742.36$$

Say Rs. 2742.00 per Mtr.

Rate Analysis for 10.00 Mtrs. of Item:

Providing and laying non-pressure NP3 class RCC pipe of approved quality with collars, jointed with stiff cement mortar (1:1) including providing tight packing of tarred spun yarn etc. including 150mm thick rubble packing & 100 mm thick c.c. (1:3:6) in bedding etc. (e) 450mm dia.

Corresponding Item No. 38e of Section -XX of MbPT SOR 2014
 New Item No. 38e of Section -XX
 NBO Ref. No.24.3i Page:489 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	NP3 class pipe with collars-2Mtrs. long-450mm dia. (Item No.37e above)	10.00	Mtrs.	2241.72	22417.23		Rates on left side are inclusive of labour component. Minor additional labour cost taken care in sundries.					
2.	Rubble packing-150mm t (Item No.1b, Section-XXI)	7.00	Sq.M.	329.42	2305.92		TOTAL COST =				33533.57	
3.	Cement concrete (1:3:6) (Item No.2a, Section-IV)	1.55	Cu.M.	4934.47	7648.43		Material cost @65% = (M) =				21796.82	
4.	Form work (Form work-'A', Section-IV)	5.00	Sq.M.	214.40	1071.99		Labour cost @35% = (L) =				11736.75	
5.	Sundries, carriage etc.		Lumpsum		90.00							
TOTAL =Rs.					33533.57							

Total of (M) + (L) =	(I)	= `	33533.57	Total = (I) + (II) =	(III)	= `	35688.44
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3353.36
Add: Allowance for PF @13.61% of (L)		= `	1597.37	Grand Total		=	(III)+(IV)= ` 39041.80
Add: Allowance for Employee' insurance @4.75% of (L)		= `	557.50	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	2154.87				

Therefore, Unit cost =

$$\frac{39041.80}{10.00} = \text{Rs. } 3904.18$$

Say Rs. 3904.00 per Mtr.

Rate Analysis for 1.00 No. of Item:
Cleaning thoroughly man-holes of storm water drainage of any size and depth including pumping out water or plugging and removal of silt etc.

Corresponding Item No. 39 of Section -XX of MbPT SOR 2014
 New Item No. 39 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Materials such as buckets, kamthi, spade, ghamela etc.		Lumpsum		30.00	1.	Mazdoor-Male	1.00	No.	478.85	478.85	
2.	Sundries, carriage etc.		Lumpsum		8.00							
TOTAL (M) =Rs.					38.00	TOTAL (L) =Rs.					478.85	

Total of (M) + (L) =	(I)	= `	516.85	Total = (I) + (II) =	(III)	= `	604.77
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	51.69
Add: Allowance for PF @13.61% of (L)		= `	65.17	Grand Total		= (III)+(IV)= `	656.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	22.75	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	87.92	Therefore, Unit cost		=	
				$\frac{656.45}{1.00} = \text{Rs. } 656.45$			
				Say Rs. 656.00 per each			

Rate Analysis for 1.00 No. of Item:
Cleaning thoroughly water gullies of any size, shape and depth etc.

Corresponding Item No. 40 of Section -XX of MbPT SOR 2014
 New Item No. 40 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Materials such as buckets, kamthi, spade, ghamela etc.		Lumpsum		10.00	1.	Mazdoor-Male	1.00	No.	478.85	478.85	
2.	Sundries, carriage etc.		Lumpsum		5.00							
TOTAL (M) =Rs.					15.00	TOTAL (L) =Rs.					478.85	

Total of (M) + (L) =	(I)	= `	493.85	Total = (I) + (II) =	(III)	= `	581.77
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	49.39
Add: Allowance for PF @13.61% of (L)		= `	65.17	Grand Total	=	(III)+(IV)= `	631.15
Add: Allowance for Employee' insurance @4.75% of (L)		= `	22.75	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	87.92	Therefore, Unit cost	631.15	÷	1.00 =Rs. 631.15
			Say Rs. 631.00	per each			

Rate Analysis for 1.00 No. of Item:
Remove solids, any other waste materials, pieces of stones, debris (if any) from septic tank etc. and transport the spoils etc.
(a) Size: 3.50 X 4.00 X 2.50 Mtrs. = 35.00 Cu.M.

Corresponding Item No. 41a of Section -XX of MbPT SOR 2014
 New Item No. 41a of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Materials - rope, buckets, kamthi, spade, ghamela etc.		Lumpsum		700.00	1.	Mazdoor-Male	7.00	No.	478.85	3351.95	
2.	Transportation		Lumpsum		1250.00	2.	Safaiwala	6.00	No.	478.85	2873.10	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2030.00	TOTAL (L) =Rs.					6225.05	

Total of (M) + (L) = (I) = ` 8255.05

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = `

= ` 847.23

= ` 295.69

= ` 1142.92

Total = (I) + (II) = (III) = ` 9397.97

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 10223.47

This is cost for 1.00 No.

Therefore, Unit cost =
 10223.47 ÷ 1.00 =Rs. 10223.47

Say Rs. 10223.00 per each

Rate Analysis for 1.00 No. of Item:

Remove solids, any other waste materials, pieces of stones, debris (if any) from septic tank etc. and transport the spoils etc.

(b) Size: 12.48 X 3.05 X 2.905 Mtrs. = 110.58 Cu.M.

Corresponding Item No. 41b of Section -XX of MbPT SOR 2014
 New Item No. 41b of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Materials - rope, buckets, kamthi, spade, ghamela etc.		Lumpsum		900.00	1.	Mazdoor-Male	12.00	No.	478.85	5746.20	
2.			Lumpsum		1900.00	2.	Safaiwala	10.00	No.	478.85	4788.50	
3.			Lumpsum		150.00							
TOTAL (M) =Rs.					2950.00	TOTAL (L) =Rs.					10534.70	

Total of (M) + (L) = (I) = ` 13484.70

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 1433.77

Add: Allowance for Employee' insurance @4.75% of (L) = ` 500.40

Total of allowances = (II) = ` 1934.17

Total = (I) + (II) = (III) = ` 15418.87

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1348.47

Grand Total = (III)+(IV)= ` 16767.34

This is cost for 1.00 No.

Therefore, Unit cost = 16767.34 ÷ 1.00 =Rs. 16767.34

Say Rs. 16767.00 per each

Rate Analysis for 1.00 No. of Item:
Remove solids, any other waste materials, pieces of stones, debris (if any) from septic tank etc. and transport the spoils etc.
(c) Size: 18.28 X 8.53 X 2.92 Mtrs. = 455.31 Cu.M.

Corresponding Item No. 41c of Section -XX of MbPT SOR 2014
New Item No. 41c of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Materials - rope, buckets, kamthi, spade, ghamela etc.		Lumpsum		1200.00	1.	Mazdoor-Male (15 Nos. each for 2 days)	30.00	No.	478.85	14365.50	
2.	Transportation		Lumpsum		3800.00	2.	Safaiwala (15 Nos. each for 2 days)	30.00	No.	478.85	14365.50	
3.	Sundries		Lumpsum		300.00							
TOTAL (M) =Rs.					5300.00	TOTAL (L) =Rs.					28731.00	

Total of (M) + (L) =	(I)	= `	34031.00	Total = (I) + (II) =	(III)	= `	39306.01
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3403.10
Add: Allowance for PF @13.61% of (L)		= `	3910.29	Grand Total		(III)+(IV)= `	42709.11
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1364.72	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	5275.01	Therefore, Unit cost	42709.11	÷	1.00 =Rs. 42709.11

Say Rs. 42709.00 per each

Rate Analysis for 1.00 No. of Item:
Cleaning thoroughly chambers connected to lavatory places and cleaning thoroughly pipe drain connected to latrine, drainage system etc.

Corresponding Item No. 42 of Section -XX of MbPT SOR 2014
 New Item No. 42 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Materials such as buckets, kamthi, spade, ghamela etc.		Lumpsum		20.00	1.	Mazdoor-Male	1.00	No.	478.85	478.85	
2.	Sundries, carriage etc.		Lumpsum		5.00	2.	Mazdoor-Female	1.00	No.	478.85	478.85	
TOTAL (M) =Rs.					25.00	TOTAL (L) =Rs.					957.70	

Total of (M) + (L) = (I) = ` 982.70 Add: Allowance for Water charges @1% of (I) = ` Add: Allowance for PF @13.61% of (L) = ` 130.34 Add: Allowance for Employee' insurance @4.75% of (L) = ` 45.49 Total of allowances = (II) = ` 175.83	Total = (I) + (II) = (III) = ` 1158.53 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 98.27 Grand Total = (III)+(IV)= ` 1256.80 This is cost for 1.00 No. Therefore, Unit cost = 1256.80 ÷ 1.00 =Rs. 1256.80 Say Rs. 1257.00 per each
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Rate Analysis for 1.00 Cu.M. of Item:
De-sitting of storm water drains, open drains, surface drains of any size including removal and re-fixing covers, removal of silt/ mud etc.

Corresponding Item No. 43 of Section -XX of MbPT SOR 2014
 New Item No. 43 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Materials - rope, buckets, kamthi, spade, ghamela etc.		Lumpsum		30.00	1.	Mazdoor-Male	1.00	No.	478.85	478.85	
2.	Sundries, carriage etc.		Lumpsum		8.00							
TOTAL (M) =Rs.					38.00	TOTAL (L) =Rs.					478.85	

Total of (M) + (L) =	(I)	= `	516.85	Total = (I) + (II) =	(III)	= `	604.77
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	51.69
Add: Allowance for PF @13.61% of (L)		= `	65.17	Grand Total		= (III)+(IV)= `	656.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	22.75	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	87.92	Therefore, Unit cost	656.45	÷	1.00 =Rs. 656.45
			Say Rs. 656.00		per Cu.M.		

Rate Analysis for 1.00 No. of Item:
Cleaning thoroughly gully trap of any size depth including cleaning of pipe drain from chamber to gully trap with de-watering if necessary and removal of silt, debris, stones, sludge etc. including transportation of removed sludge etc.

Corresponding Item No. 44 of Section -XX of MbPT SOR 2014
 New Item No. 44 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Materials - bamboos, buckets, kamthi, spade, ghamela etc.		Lumpsum		10.00	1.	Safaiwala	0.25	No.	478.85	119.71	
2.	Sundries including Transportation of sludge		Lumpsum		5.00							
TOTAL (M) =Rs.					15.00	TOTAL (L) =Rs.					119.71	

Total of (M) + (L) =	(I)	= `	134.71	Total = (I) + (II) =	(III)	= `	156.69
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	13.47
Add: Allowance for PF @13.61% of (L)		= `	16.29	Grand Total		= (III)+(IV)= `	170.16
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.69	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	21.98	Therefore, Unit cost		=	
				170.16	÷	1.00	=Rs. 170.16
			Say Rs. 170.00	per each			

Rate Analysis for 1.00 No. of Item:
Supplying of FRP/ GRP/ COMPOSITE resin Water gully frame & cover etc.
(a) Size: 450 X 450 mm; 20 T capacity

Corresponding Item No. --- of Section -XX of MbPT SOR 2014
New Item No. 45a of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRP/ GRP/ COMPOSITE resin Water gully frame & cover - 450X450 mm 20 T capacity	1.000	No.	5424.93	5424.93							
2.	Handling charges		Lumpsum									
3.	Sundries, carriage etc.		Lumpsum									
TOTAL (M) =Rs.					5424.93	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5424.93	Total = (I) + (II) =	(III)	= `	5424.93
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	542.49
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 5967.42
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	5967.42	÷	1.00 =Rs. 5967.42

Say Rs. 5967.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying of FRP/ GRP/ COMPOSITE resin Water gully frame & cover etc.
(b) Size: 450 X 450 mm; 40 T capacity

Corresponding Item No. --- of Section -XX of MbPT SOR 2014
New Item No. 45b of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRP/ GRP/ COMPOSITE resin Water gully frame & cover - 450X450 mm 40 T capacity	1.000	No.	7382.33	7382.33							
2.	Handling charges		Lumpsum									
3.	Sundries, carriage etc.		Lumpsum									
TOTAL (M) =Rs.					7382.33	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	7382.33	Total = (I) + (II) =	(III)	= `	7382.33
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	738.23
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 8120.56
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	8120.56	÷	1.00 =Rs. 8120.56

Say Rs. 8121.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying of FRP/ GRP/ COMPOSITE resin Water gully frame & cover etc.
(c) Size: 600 X 600 mm; 20 T capacity

Corresponding Item No. --- of Section -XX of MbPT SOR 2014
New Item No. 45c of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRP/ GRP/ COMPOSITE resin Water gully frame & cover - 600X600 mm 20 T capacity	1.000	No.	9969.75	9969.75							
2.	Handling charges		Lumpsum									
3.	Sundries, carriage etc.		Lumpsum									
TOTAL (M) =Rs.					9969.75	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	9969.75	Total = (I) + (II) =	(III)	= `	9969.75
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	996.97
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 10966.72
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				10966.72	÷	1.00	=Rs. 10966.72

Say Rs. 10967.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying of FRP/ GRP/ COMPOSITE resin Water gully frame & cover etc.
(d) Size: 600 X 600 mm; 40 T capacity

Corresponding Item No. --- of Section -XX of MbPT SOR 2014
New Item No. 45d of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRP/ GRP/ COMPOSITE resin Water gully frame & cover - 600X600 mm 40 T capacity	1.000	No.	11330.79	11330.79							
2.	Handling charges		Lumpsum									
3.	Sundries, carriage etc.		Lumpsum									
TOTAL (M) =Rs.					11330.79	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	11330.79	Total = (I) + (II) =	(III)	= `	11330.79
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1133.08
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 12463.87
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost		=	
				12463.87	÷	1.00	=Rs. 12463.87

Say Rs. 12464.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying of FRP/ GRP/ COMPOSITE resin Man-hole frame & cover etc.
(a) Size: 600 mm clear opening; 20 T capacity

Corresponding Item No. --- of Section -XX of MbPT SOR 2014
 New Item No. 46a of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRP/ GRP/ COMPOSITE resin Man-hole frame & cover - 600 mm clear opening; 20 T capacity	1.000	No.	5049.80	5049.80							
2.	Handling charges		Lumpsum									
3.	Sundries, carriage etc.		Lumpsum									
TOTAL (M) =Rs.					5049.80	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5049.80	Total = (I) + (II) =	(III)	= `	5049.80
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	504.98
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 5554.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	5554.78	÷	1.00 =Rs. 5554.78

Say Rs. 5555.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying of FRP/ GRP/ COMPOSITE resin Man-hole frame & cover etc.
(b) Size: 600 mm clear opening; 40 T capacity

Corresponding Item No. --- of Section -XX of MbPT SOR 2014
New Item No. 46b of Section -XX
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRP/ GRP/ COMPOSITE resin Man-hole frame & cover - 600 mm clear opening; 40 T capacity	1.000	No.	6808.86	6808.86							
2.	Handling charges		Lumpsum									
3.	Sundries, carriage etc.		Lumpsum									
TOTAL (M) =Rs.					6808.86	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	6808.86	Total = (I) + (II) =	(III)	= `	6808.86
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	680.89
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 7489.74
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	7489.74	÷	1.00 =Rs. 7489.74

Say Rs. 7490.00 per each

Rate Analysis for 1.00 No. of Item:
Supplying of FRP/ GRP/ COMPOSITE resin Inspection Chamber frame & cover etc.
Size: 900 X 450 mm; 20 T capacity

Corresponding Item No. --- of Section -XX of MbPT SOR 2014
 New Item No. 47 of Section -XX
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	FRP/ GRP/ COMPOSITE resin Inspection chamber frame & cover 900X450 mm;; 20 T capacity	1.000	No.	5542.52	5542.52							
2.	Handling charges		Lumpsum									
3.	Sundries, carriage etc.		Lumpsum									
TOTAL (M) =Rs.					5542.52	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5542.52	Total = (I) + (II) =	(III)	= `	5542.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	554.25
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 6096.77
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	6096.77	÷	1.00 =Rs. 6096.77

Say Rs. 6097.00 per each

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
1	Providing & laying dry stone rubble packing in foundation etc. of building including filling interstices with small pieces of stone chips, thoroughly ramming, watering, consolidating etc. complete as directed.		
	(a) 250 mm thick	509.00	Sq.M.
	(b) 150 mm thick	359.00	Sq.M.
2	Laying only dry stone rubble packing in foundation etc. of building with stones available at site – do -- do -- as per Item No.1 above.		
	(a) 250 mm thick	328.00	Sq.M.
	(b) 150 mm thick	250.00	Sq.M.
3	Providing and laying dry rubble pitching 150 to 225 mm wide hammer dressed on face placed regularly in even courses and roughly jointed in cement mortar (1:3) etc. complete as directed.		
	(a) 150 mm deep	707.00	Sq.M.
	(b) 250 mm deep	883.00	Sq.M.
4	Supplying & fixing in position 2 mm thick plastic coated brass wires for drying clothes including supplying and fixing teak wood battens 50X20X600 mm long including one coat of wood primer and two coats of synthetic enamel paint to teak wood battens etc. complete as directed (each wire will be measured separately and paid for straight distance between the walls).	28.00	Mtr.
5	Providing m.s. fan hook of 16 mm dia. m.s. bar bent to shape with hooked ends and fixing the same in RCC slabs during laying including oil painting the exposed portion of hook etc. complete as directed.	128.00	Each
6	Providing and fixing barbed wire fencing of 3 Mtrs. height above ground level with m.s. angle posts size 50X50X6 mm at 2.5 Mtrs. centres fixed in CC foundations of size as shown on drawing or as directed, GI barbed wire 100 mm points horizontal strands at 150 mm pitch with two diagonal strands including painting the m.s. angles with two coats of approved synthetic enamel paint over a coat	873.00	Mtr.

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
	of zinc chromate (yellow) primer etc. complete as directed (Note: Foundation concrete and excavation will be paid separately).		
7	Providing & fixing barbed wire fencing 2.5 Mtrs. high above ground level with non-teak bully posts 100 mm dia. fixed in CC foundations of size as shown on drawing or as directed at 3 Mtrs. centres and GI barbed wire 100 mm points horizontal strands at 150 mm pitch with two diagonal strands including coal tarring the bully posts for full height complete as directed (Note: Foundation concrete & excavation will be paid separately).	306.00	Mtr.
8	Providing & fixing RCC pre-cast trespass proof fencing 2.5 Mtrs. high above ground level consisting of RCC posts 150X125 mm fixed in CC foundation of size as shown on drawing or as directed at 1.5 Mtrs. centres and pre-cast slabs 225X50 mm thick as shown on drawing including cement pointing the pre-cast slabs with (1:3) cement mortar complete as directed (Note: Foundation concrete and excavation will be paid separately).	7,069.00	Mtr.
9	Providing & fixing m.s. angle iron fencing 2.5 Mtrs. high above ground level with 3 horizontal angles 50X50X6 mm and vertical angles 40X40X6 mm at 150 mm centres with RCC posts 200X200 mm at 3 Mtrs. centres, fixed in CC foundations of size as shown on drawing or as directed including providing all necessary nut bolts etc. and painting the steel work with two coats of approved synthetic enamel paint over a coat of zinc chromate (yellow) primer complete as directed (Note: Foundation concrete and excavation will be paid separately).	6,561.00	Mtr.
10	Providing and fixing 50 mm wide moulded PVC hand rail complete as directed.	140.00	Mtr.
11	Supplying and installing in position m.s. ERW pipes of 9.15 mm wall thickness including aligning, stringing, assembling, welding, providing and fixing double plates 350X200X5 mm thick at each		

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
	support, 10% radiography, hydrostatic testing, disinfection of the line and bacteriological tests on water etc. complete as directed.		
	(a) 100 mm dia.	1,391.00	Mtr.
	(b) 200 mm dia.	4,222.00	Mtr.
12	Providing and applying polyurethane paint on steel surfaces cleaned by sand blasting, including one coat of 92% Zinc rich primer (40 micron DFT), one coat of MIO (100 micron DFT) and two coats of aliphatic aluminium filled polyurethane paint (40 micron per coat DFT) and as per manufacturers specifications.	550.00	Sq.M.
13	Providing and applying polyurethane paint on mechanically clean steel surfaces including wash of 5% phosphoric acid solution, one coat of rust gone, two coats of zinc phosphate primer (40 micron per coat DFT), one coat of MIO (100 micron DFT) and two coats of aliphatic aluminium filled polyurethane paint (40 micron per coat DFT) and as per manufacturers specifications etc. complete as directed.	576.00	Sq.M.
14	Providing and fixing 18-20 mm thick granite stone plaque including engraving the matter as directed to the entire satisfaction of the Engineer. The Hindi alphabets are required to be engraved in different sizes including 3" dia. MbPT emblem on the granite plaque shall be fixed with a brass frame around the plaque etc. complete as directed.	34,262.00	Sq.M.
15	Providing and fixing venetian blinds of approved quality colour and types including fixing etc. complete in all respect as directed.	1,162.00	Sq.M.
16	Providing and fixing in position anodised aluminium grill of approved quality, design (weight minimum 4 Kgs. per Sq.M.) complete as directed.	870.00	Sq.M.
17	(a) Providing and fixing false ceiling of grid 60X60 cm of acoustic tiles of 'Anchor' or equivalent resting on aluminium 'T' section 38X38X1.5 mm thick size 60 cm both ways and suspended bars of 6 mm dia. @1 Mtr. centres both ways with 6 mm 'J' hooks	2,128.00	Sq.M.

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
	bolts, painting and providing and laying glass wool insulation of 50 mm thick in polythene bags etc. complete as directed.		
	(b) Providing and fixing PVC false ceiling consisting of 60X60 cm, 3 mm thick plain PVC sheet used as panel inserted in frame work made using anodized aluminium 'T' section of size 25X25X1 mm thick in square pattern of grid size of 60 cm both ways and suspended bars of 6 mm dia. @1 Mtr. centres both ways with 6 mm 'J' hooks bolts and frame work supported on side walls with the use of 25X25 mm aluminium angles, painting etc. complete as directed.	1,277.00	Sq.M.
18	Providing and fixing 4 mm thick clear and transparent acrylic sheet including teak wood battens of required size, complete including necessary fittings, teak wood battens to be painted with 2 coats of synthetic enamel paint over a coat of approved primer etc. complete as directed.	1,033.00	Sq.M.
19	Providing and fixing GI chain link fencing made up of 10 guage wire, hot dipped galvanised, fixing the same with approved 'U' clips to m.s. angles etc. complete as directed.		
	(a) 25X25 mm opening	509.00	Sq.M.
	(b) 50X50 mm opening	284.00	Sq.M.
20	Providing and fixing in position extruded aluminium sections with 15 micron anodising in partitions, doors, sliding windows of required profile, gauge and size and approved manufacture including approved fixtures and fastenings etc. complete as directed (Door fittings such as hinges, locks, door closer etc. shall be paid separately).	458.00	Kg.
20a	Extra over rate for colour anadizing the aluminium sections of Item No.20 above.	63.56	Kg.
21	Providing and fixing door closer of 'Falcon' brand or equivalent, mortise lock of 'Godrej' brand or equivalent and 3 Nos. 125 mm heavy duty aluminium hinges for doors including necessary fastenings, fittings to the door in proper alignment etc. complete as directed.	3,310.00	Each

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
22	Providing and fixing 5 mm thick glass for partitions, doors, sliding windows with necessary rubber gaskets of approved quality and manufacture all around the glass panel etc. complete as directed.		
	(a) plain/ ground glass	695.00	Sq.M.
	(b) tinted glass	764.00	Sq.M.
23	Providing and fixing 10 mm thick particle board of approved manufacture with lamination on both sides for partition, doors including necessary fastenings etc. complete as directed.	554.00	Sq.M.
24	Providing and fixing in position 580 mm (23") long approved white glazed vitreous China ware w.c. pan with raised white glazed foot-rests, earthen ware 'P' trap with vent connection and connecting to 100 mm (4") soil pipe outside by means of 100 mm CI soil plug bend of required length and vent connected to anti-siphonage pipe by 32 mm dia PVC pipe upto required level with all necessary fittings including removing existing pan etc. and providing brick bat coba in bedding, backing and in entire sunken portion etc. and reinstating the same etc. complete as directed.		
	(a) Indian Style w.c. pan	4,213.00	Each
	(b) Orissa pattern w.c. pan	4,485.00	Each
25	Providing and laying waterproofing treatment to mori, bath and w.c. consisting of smooth plaster in CM (1:3) over a layer of brick bat coba in CM (1:3) of required thickness and 25 mm thick IPS (1:2:3) including adding waterproofing compound of approved quality at the rate of 1 Kg. per bag of cement complete in all respects as directed (Payment will be made for plan area).	944.00	Sq.M.
26	Providing and erecting bamboo's double scaffolding of required height, width and strength by sides of building for platform to enable departmental workmen to carry out repairs to building at any level from ground to any floor height as directed including removing the same and clearing the site. The scaffolding to be retained for 3 days excluding the days of erecting and dismantling.	94.00	Sq.M.

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
27	Stopping leakages in joints of sanitary and waste water pipe system by removing carefully chokes from the pipes and fittings fixed on building at any height including necessary scaffolding/ jhula etc. complete as directed.	299.00	Each
28	Cleaning thoroughly the roof gutters of various sheds and warehouses including transporting and disposing the debris, kutchra etc. anywhere outside the MbPT Estate etc. complete as directed.	37.00	Mtr.
29	Dammering the roof in two coats with mixture of tar and pitch on new dongri cloth, one coat on each side of cloth including removing carefully the old dammering etc. complete as directed.	116.00	Sq.M.
30	Providing and applying waterproof roofing compound of approved make to the roofing nuts and bolts of various sheds and warehouses including removing and cleaning loose old compound etc. complete as directed.	14.00	Each
31	Removing carefully the damaged man-hole inspection chamber, water gully frame and cover and transporting the same to the sectional office of MbPT as directed etc. complete.	385.00	Each
32	Fixing only CI or RCC frame and cover over the existing man-holes including demolition of required portion of masonry and re-building the damaged portion of the masonry including providing PCC (1:1.5:3) for coping of required thickness including form work vibrating and curing etc. complete as directed (The frame and cover will be supplied by the MbPT. The contractor has to transport including loading and unloading the same from block yard/ anywhere in MbPT estate).	571.00	Each
33	Providing and fixing plain/ ground glasses of 4 mm thick to window shutters, louver windows as per required size on various floors of sheds, warehouses and any other structures including necessary scaffolding, new pins/ screws, putty etc. complete as directed including removing the	1,386.00	Sq.M.

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
	broken glasses from the windows alongwith old putty and transport debris to nearest dust bin etc. complete as directed.		
34	Providing and fixing tar felt in 2 layers, each layer of tar felt over a layer of hot bitumen/ coal pitch including removing the old tarfelt & decayed cloth etc. complete as directed.	625.00	Sq.M.
35	Providing and fixing new CI single 'Y' junctions including eye lids in place of old broken 'Y' junctions including removing the old junction and making it leak proof by filling cement/ cement mortar including necessary scaffolding etc. at any height complete as directed.		
	(a) 75 mm dia.	1,405.00	Each
	(b) 100 mm dia.	1,706.00	Each
36	-- do -- do -- double 'Y' junctions -- do -- -- do -- as per Item No.35 above.		
	(a) 75 mm dia.	1,588.00	Each
	(b) 100 mm dia.	1,952.00	Each
37	-- do -- do -- bends/ 'T's upto any height -- do -- do -- as per Item No.35 above.		
	(a) 75 mm dia.	1,138.00	Each
	(b) 100 mm dia.	1,249.00	Each
38	Removing and re-fixing kerb stones/ cement concrete blocks to the required line and level, pointing with CM (1:3), curing etc. complete as directed (concrete will be paid separately).	128.00	Mtr.
39	Removing carefully the existing corroded m.s. frame and covers of RCC hume pipe water storage tanks located on terraces of various buildings, breaking the concrete around the frame, transporting the covers and frames to Stores Department's disposal yard or any where in Port Trust Estate for handing over the covers and frames to MbPT, preparing the surface with 1:3 cement mortar to receive new frame and cover and making good the damage done to RCC tank (if any) including removing and re-fixing m.s. ladder wherever existing etc. complete as directed (New frame & cover will be supplied by MbPT).	812.00	Each

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
40	Providing and fixing 15 mm dia. brass nickel plated pillar tap (Heavy), tested by MCGM or bearing ISI mark complete as directed.	475.00	Each
41	Removing chokes in sewer line of dia. upto 300 mm by manual rodding, mechanical choke removers if necessary, passing metal and coir ball through the drain so as to clean the pipe completely as directed.	116.00	Mtr.
42	Providing and fixing GI plain sheet of 20 gauge in chajjas at various floor levels of buildings with GI 'J' or 'L' hooks, nut bolts or screws as directed including providing aluminium rivets for the horizontal laps, applying two coats of oil paint over a coat of zinc chromate (yellow) primer on both sides of GI sheets including double scaffolding etc. complete (Laps will not be paid seperately. Minimum horizontal lap 100 mm).	1,761.00	Sq.M.
43	Removing and re-setting old sett stone pavement at places as directed with 25 mm sand floating and set in CM (1:3) including cement pointing etc. complete as directed.	150.00	Sq.M.
44	Welding to any type of structural steel works tack welding or stitch welding of 6 mm thick as per IS specification etc. complete as directed. (Note: Steel sections, angles, plates if necessary will be supplied free of cost by the MbPT. Contractor has to procure their welding plants. The item is in running Mtr. of weld length).	244.00	Mtr.
45	Cutting any type of structural steel works of any thickness by gas cutting complete as directed (Note: Gas cutting with acetelene oxygen set will have to be provided by the contractor. The item is in running Mtr. of cut length).	369.00	Mtr.
46	Racking out the cracks developed in the existing RCC structural members like beams, columns etc., making 'V' grooves and restoring by trowelling with epoxy mortar including necessary scaffolding to any height etc. complete as directed.	169.00	Mtr.

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
47	Dismantling the damaged hook bollards by excavating, breaking with compressor in granite stone coping, concrete etc. exposing nut bolts upto top of the old bollard, removing carefully the nuts and lifting the damaged bollard to the sectional store yard, transporting the new bollard from the departmental store yard (anywhere in MbPT) to site, fixing it on old holdings down bolts with nuts, washers etc. concreting the opening in quay wall in CC (1:1.5:2) with necessary form work, vibrating, curing etc. including any form work, welding, if necessary, stacking surplus excavated materials at site etc. complete as directed.	27,354.00	Each
48	Preparing, providing and fixing m.s. ring bolts 170 mm long of pyramid type, shape with square base, made out of 50 mm dia. m.s. bar including making/ drilling necessary hole in vertical sea facing wall face and fixing the ring bolts in CM (1:1) including necessary scaffolding/ jhula, curing etc. complete as directed.	890.00	Each
49	Providing and fixing PVC door of approved colours of 'SINTEX' make or equivalent consisting of shutter, frame made from extruded section of PVC suitably reinforced having an overall dimensions of 53X60 mm and panels of extruded plastic section 200X20 mm having a tongue and groove arrangement for inter locking including providing & fixing the door frame of extruded PVC section suitably steel reinforced having 53X60 mm size including providing and fixing vision panel with figured glass as per manufacturers' specification including providing and fixing hold-fasts, hinges etc. complete as directed.	2,341.00	Sq.M.
50	Providing and fixing 30 mm thick factory made solid panel PVC door shutter consisting of frame made out of m.s. tubes of 19 guage thickness and size of 19X19 mm for styles and 15X15 mm for top and bottom rails. m.s. frame shall have a coat of anti-corrosive zinc chromate primer and shall be	3,729.00	Sq.M.

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Sr. No.	Item Description	Rate in `	Unit
	covered with 5 mm thick heat moulded PVC 'C' channel of size 30X50 mm forming styles and 5mm thick 75 mm wide PVC sheets for top rail, lock rail and bottom rail on either side and 10 mm (5mmX2) thick 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Panelling of 5 mm thick PVC sheet to be fitted in the m.s. frame welded/ sealed to the styles & rails with 30 mm wide 5 mm thick PVC sheet beading on either side and joined together with solvent cement adhesive etc. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' channel using PVC solvent cement adhesive complete as directed.		
51	Providing and fixing 30 mm thick factory made both side pre-laminated solid panel PVC door shutter consisting of frame made out of m.s. tubes of 19 guage thickness and size of 19X19 mm for styles, top and bottom rails. m.s. frame shall have a coat of anti-corrosive zinc chromate primer and shall be covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered @45 degrees angle on either side forming styles and 5mm thick 95 mm wide pre-laminated PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered @45 degrees angle on either side to form top and bottom rail and 115 mm wide pre-laminated PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered @45 degrees angle on either side to form lock rail. Top, bottom and lock rails shall be provided either side of the panel and 10 mm (5mmX2) thick 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Panelling of 5 mm thick both sides pre-laminated PVC sheet to be fitted in the m.s. frame welded/ sealed to the styles & rails with 15 mm wide 5 mm thick PVC sheet beading on inner side and joined together with solvent cement adhesive etc. An additional 5 mm thick PVC strip of 20 mm width is to be stuck	4,548.00	Sq.M.

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Sr. No.	Item Description	Rate in `	Unit
	on the interior side of the 'C' channel using PVC solvent cement adhesive complete as directed.		
52	Providing and fixing 35 mm thick factory made moulded door shutter consisting of solid core single leaf flush door of 30 mm thickness, lipped with 15 mm (5 mmX3) thick, 30 mm width on one style and top rail and 10 mm (5 mmX2) thick, 30 mm width on other style and bottom rail. The inner panel laminated with 2 mm thick moulded PVC sheet in different plain colours on one side and 2 mm plain PVC sheet on other side using rubber adhesive on flush door and cement adhesive on PVC lipping etc. complete as directed.	4,177.00	Sq.M.
53	Providing and fixing factory made PVC door frame of size 50X47 mm with a wall thickness of 5 mm made out of extruded 5mm PVC sheet cut at two corners and joined with two Nos. 150 mm long brackets of 15X15 mm m.s. square tubes. The two vertical door profiles are to be reinforced with 19X19 mm m.s. square tube of 19 guage, rubber gasket weather seal to be provided through out the frame. The door frame shall be fixed to the wall using 65/ 100 mm long m.s. screws through the frame using PVC fasteners. Minimum 4 Nos. screws for each vertical member and 2 Nos. for horizontal member to be provided complete as directed.		
	(a) Plain colour	618.00	Mtr.
	(b) Pre-laminated colour	688.00	Mtr.
54	Providing and fixing PVC sheet wall paneling of 5 mm thickness consisting of panels of size 1220X2440 mm stuck on inner frame work of 50 mm wide strips of 5 mm thick PVC sheet. The strips shall have a groove of 6 mm width and 1 mm deep at the center for sinking the head of the screw. The strips shall be fixed using 65 mm long screws through the groove in the strip using PVC fasteners. The distance between screws shall not be more than 200 mm. Strip of 5 mm thick 75 mm wide shall be stuck at the joints using solvent etc. complete as directed.	1,769.00	Sq.M.

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
55	Removing and re-fixing AC sheets in roof including providing & fixing 'J' or 'L' hooks, nut bolts, washers etc. including painting bottom portion of sheets by 2 coats of lime wash by scrapping, cleaning etc. complete as directed (AC sheets will be supplied by MbPT free of cost).	278.00	Sq.M.
56	Fabricating and fixing in position m.s. structural members including cutting, hoisting to position including bending, jointing by welding/ nut-bolting, painting 2 coats of approved synthetic enamel paint over a coat of zinc chromate (yellow) primer, necessary scaffolding etc. complete as directed (Steel will be supplied by MbPT, free of cost).	2,719.00	qntl.
57	Providing and fixing in position in roofing GI 'J' or 'L' bolts with nuts, bituminous washers etc. including removing old damaged bolts etc. complete as directed.	38.00	Each
58	Removing from roots the trees upto stem dia. of 500 mm carefully including necessary excavation, transporting the same carefully anywhere in MbPT Estate & replanting the same in new excavated pits of required size, filling the pit with red earth, manure, watering for one week etc. complete as directed.	7,833.00	Each
59	Cleaning the water tables along the road including transporting the debris outside the MbPT Estate as directed etc. complete.	37.00	Mtr.
60	Providing motor lorry of 3 to 5 tonnes capacity at Sectional Offices including driver, cleaner and three Mazdoors together with fuel & other consumable stores etc. for transport of different engineering materials, furniture etc. within MbPT Estate on any day etc. complete (Total run upto 40 Kms. per day).	6,580.00	Vehicle Day
61	Providing tempo with covered body of 2 tonnes capacity at sectional offices including driver, cleaner and three Mazdoors together with fuel & other consumable stores etc. for transport of different engineering materials, furniture etc.	5,160.00	Vehicle Day

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
	within MbPT Estate on any day etc. complete (Total run upto 40 Kms. per day).		
62	Providing protruded band (vata) 200 mm wide & 60 mm avg. thick at the junction of GI sheet & vertical building face as per the site requirements in CM (1:3) with an interface hack-aid plast bond between old & new surface before plastering including preparation of concrete surface to receive vata etc. complete as directed.	227.00	Mtr.
63	(a) Providing and laying special waterproofing layer with 22 to 35 mm thick machine cut rough shahabad stones of approved size (approx. 450X600 mm) set in CM (1:5) 25 to 40 mm thick with approved waterproofing compound and cement pointing in CM (1:1) with addition of waterproofing compound including providing IPS (1:2:3) 40 mm average thick above the Shahabad stones with addition of waterproofing compound including curing by ponding with water etc.complete as directed.	1,224.00	Sq.M.
	(b) Extra over rate for Item No.63 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement.	9.00	Sq.M.
64	Providing and fixing approved 304 grade stainless steel anchor/ split bolt using epoxy mortar, 'D' shakle of 50 mm size etc. complete using necessary scaffolding, working platform etc. complete as directed.		
	(a) 25 mm dia.	9,004.00	Each
	(b) 50 mm dia.	15,256.00	Each
	(c) 100 mm dia.	30,286.00	Each
65	Removing all plantation and vegetation, other growth along with roots including application of necessary chemical and herbicide as approved by site engineer and reinstating the disturbed surface providing and erecting necessary scaffolding/ jhulla etc. complete as directed (An area of 1X1 Mtr. will be considered as one spot).	222.00	Spot

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Sr. No.	Item Description	Rate in `	Unit
66	Providing and fixing concertina coil fencing 610 mm dia. with 26/27 SWG barbed concertina strips 19 mm width and turn circles of 80 Nos. coil in 8 to 9 Mtrs. length with 200 Nos. of stainless steel clips etc. complete as directed.	249.00	Mtr.
67	Lifting the debris and other unserviceable materials using JCB and shifting the same out side MbPT estate or as directed using Dumper as directed by the Site Engineer and levelling the area etc. complete as directed.	97.00	Cu.M.
68	Cleaning of all toilet blocks once in every day of Port House, Thackersay House, Vijay Deep, Imperial Chambers, MbPT's office at 3rd floor of Krupanidhi building and Railway Manager's office building at Ballard Estate using white phenyl, cleaning with detergent powder and putting naphtalene balls at wash basins, urinals, and at nahani traps etc. and toilets shall be kept clean in office hours etc. complete as directed.	3,731.00	Day
69	Staircase cleaning of Port House, Thackersay House, Vijay Deep, Imperial Chambers, Railway Manager's office building at Ballard Estate, etc complete as directed.	1,326.00	Occasion
70	Removing existing bollard including removing nuts and washers of existing bollard's foundation bolts using chemicals, kerosene etc. and lifting bollard with the help of crane and shifting the bollard to the yard as directed etc complete.	7,404.00	Each
71	Fixing of new/ old bollard in position with the help of crane including transportation of bollard from stores to the site etc. complete as directed.	23,480.00	Each
72	Transporting rubber fender from store and fixing the same on wharf wall after making 4 Nos. 110 mm dia. holes, providing and fixing 100 mm dia. approved 304 grade stainless steel split bolts along with epoxy mortar, providing and fixing approved 50 mm dia. 'D' shackle, 6 Nos. 32 mm dia. safety chain about 6 Mtrs. long, 32 mm dia. 'D' shackle 2 Nos. etc. by using crane/ forklift, scaffolding, working platform etc. complete as directed.	179,767.00	Each

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Sr. No.	Item Description	Rate in `	Unit
73	Transporting rubber fender from store and fixing the same on wharf wall after making 2 Nos. 110 mm dia. holes, providing and fixing 100 mm dia. approved 304 grade stainless steel split bolts along with epoxy mortar, providing and fixing approved 75 mm m.s. rod, providing and fixing approved 50 mm dia. 'D' shackle 4 Nos. 50 mm dia. safety chain about 4 Mtrs. long etc. by using crane/ forklift, scaffolding, working platform etc. complete as directed.	126,492.00	Each
74	Fixing in position 460 mm outer dia. 230 mm inner dia rubber fender with chain of 30 mm dia. with 'D' shackle 30/25 mm dia. all hot dipped galvanised (min. 75 micron) including drilling holes in masonry/ RCC, cutting the rubber fender to required size at site including loading, unloading transporting the fender at site from MbPT yard, hoisting in position including dismantling existing bolt/ chain etc. wherever directed and transporting and stacking the same as directed anywhere in MbPT estate.		
	(a) 3.3 Mtrs. long	50,704.00	Each
	(b) 2.0 Mtrs. long	30,755.00	Each
75	Transporting and fixing tubular rubber fender 300X150X1700-3000 mm long or any available size at existing location using existing chain, bolts etc. with the help of crane, forklift, working platform, scaffolding etc. complete as directed.	1,694.00	Each
76	Removal of rank vegetation including all types of shrubs/ grass/ all sorts of creepers, plants upto a height of 2.4 Mtrs. under growth etc. by cutting to the level of natural ground and remove it by lorries to any place outside MbPT estate and dispose it off in any manner etc. and leave the site clear etc. complete as directed.		
	(a) 1st occasion	5.33	Sq.M.
	(b) 2nd occasion	4.98	Sq.M.
	(c) 3rd occasion	4.66	Sq.M.
77	Credit for purchase of vegetation cut under Item No.77 above (for each occasion and this amount to be recovered from the contractor).	0.10	Sq.M.

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Sr. No.	Item Description	Rate in `	Unit
78	Providing and fixing in position RCC pre-cast posts of size 0.105X0.095X2.15 Mtrs. at the spacing of 2.5 Mtrs. centres including 4 main bars m.s. reinforcement of 6 mm dia. and 6 mm dia. stirrups @500 mm centers etc. including fasteners complete as specified and as directed (excavation and concrete will be paid separately).	396.00	Each
79	Prepare and clean the RCC surface and applying two coats of waterproofing coating of lump free consistant slurry of polyalk WP and cement in proportion of (1:1.25) by weight at 24 hours interval between each coat to the horizontal area and 300 mm above the surface on side walls etc., air cure the surface for 24 hours and then sprinkle cure with water for 3-4 days with gunny bags etc. complete as directed.	311.00	Sq.M.
80	Removing and re-fixing chain link fencing including stacking the same if required as directed.	914.00	Mtr.
81	Stopping leakage of bath or w.c. using white M-seal by filling of the joints of tiles, traps, gaps between door frame and tiles etc. as directed.	497.00	per bath/ w.c.
82	Re-laying of crane track in proper alignment and level including necessary packing, base course etc. complete as directed.	934.00	Mtr.
83	Providing and fixing accoustic tiles of approved brand of 600 x 600 mm including cutting to the required shape, removing the existing damaged accoustic tiles and providing and applying two coats of painting to match with the adjucent painting etc. complete as directed.	873.00	Sq.M.
84	Providing and fixing clear and transparent acrylic sheet including screws, nails etc. including cutting to required shape, size, profile and fixing to windows, louvered windows etc complete as directed.		
	(a) 6 mm thick	1,132.00	Sq.M.
	(b) 4 mm thick	1,038.00	Sq.M.
85	Removing carefully the existing false ceiling including POP sheets/ accoustic tiles, supporting frames, moulding patties, wire supports etc.	126.00	Sq.M.

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Sr. No.	Item Description	Rate in `	Unit
	including stacking all un-serviceable materials at site etc. complete as directed. Only the plan area of false ceiling will be measured and paid for.		
86	Providing and fixing of Bakelite of 5-6 mm thick of approved design, shade and manufacturer including cutting to the required size and fixing the same into the aluminium door frame using rubber gasket of approved quality etc. complete as directed. Each door shall be fixed with the frame using 3 Nos. 100 mm long stainless steel hinges. No extra payment shall be made for hinges.	761.00	Sq.M.
87	Lifting and placing existing porta cabin on platform properly with fork lift/ crane or any suitable machinery without damaging the porta cabin and as directed by the Engineer In-charge at any location in MbPT estate complete.	4,341.00	Each
88	Providing and fixing ISI mark stainless steel kitchen sink of Ajanta' or equivalent as approved of 600x450 mm size in kitchen platform as directed. The joints of sink and kaddapa stone shall be sealed properly using M-seal to ensure water tightness all around etc. complete as directed.	2,055.00	Each
89	Removing the existing barbed wire fencing including RCC post, barbed wire etc. including demolishing the concrete foundation and re-fixing the same at a different location in line and level as directed but excluding excavation and foundation concrete etc. complete as directed.	269.00	Mtr.
90	Removing carefully the existing paver blocks and re-fixing same paver blocks in required level to match with the adjacent paving by adding sand layer as required, compacting etc. complete as directed.	202.00	Sq.M.
91	Trimming and pruning the over grown branches of trees of 2 feet Girth and above upto any Girth including transporting away the leaves, branches including the cut fire wood, roots etc. out of MbPT estate as directed. The number of branches to be cut is as per MCGM survey report (list attached)	2,240.00	Tree

XXI - Miscellaneous Works

Sr. No.	Item Description	Rate in `	Unit
	and/ or additional branches as directed by the Engineer In-charge to maintain the balance of the tree. The cut branches including leaves and fire wood will be the property of the contractor and the contractor should take away/ transport the same outside MbPT estate and clean the area by brooming. If any material is left out at site, the same will be removed by MbPT and Rs. 10,000/- per truck load will be recovered from the contractor. The item also includes the cutting/ trimming of small branches of nearby trees/ bushes at no extra cost to MbPT. The No. of branches and number of trees will be decided by the Engineer In-charge. The contractor shall provide 2 Nos. of photographs of 5"x7" size of each tree trimmed and complete the MCGM formalities as per MCGM rules. Utmost care shall be taken to avoid any damages to any MbPT or any private property during the trimming of trees.		
92	Cutting and removing dead trees of any diameter including obtaining the permission from MCGM including submitting photographs etc. and including all incidental charges if any. MbPT will provide all necessary documents which are required for obtaining permission from MCGM. The trees will be allowed to cut only after obtaining permission from MCGM. The contractor shall take all safety precautions to ensure the safety of nearby structures and property. The contractor shall take out the cut dead tree/ wood any where outside MbPT estate at no cost to MbPT.	1,947.00	Tree
93	Spreading of Red earth or garden manure at desired location and thickness in layers as directed including crushing or powdering the lumps in red earth/ garden manure etc. complete as directed.	336.00	Cu.M.
94	Providing and fixing rat trap of approx. 600 mm dia. 22 guage GI sheet cut to zig-zag shape and made to required shape and fixing the same to wall including concrete nails etc. complete as directed.	513.00	Each

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying dry stone rubble packing in foundation etc. of building including filling interstices with small pieces etc.
(a) 250 mm thick

Corresponding Item No. 1a of Section -XXI of MbPT SOR 2014
 New Item No. 1a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	2.500	Cu.M.	538.98	1347.46	1.	Mazdoor-Male	2.100	No.	478.85	1005.59	
2.	Stone dust/ fine sand	0.250	Cu.M.	1197.46	299.37	2.	Mazdoor-Female	3.220	No.	478.85	1541.90	
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1654.83	TOTAL (L) =Rs.					2547.48	

Total of (M) + (L) =	(I)	= `	4202.31	Total = (I) + (II) =	(III)	= `	4670.03
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	420.23
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	346.71	Grand Total	=	(III)+(IV)= `	5090.26
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	121.01	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	467.72	Therefore, Unit cost	=		
				5090.26	÷	10.00	=Rs. 509.03
			Say Rs. 509.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying dry stone rubble packing in foundation etc. of building including filling interstices with small pieces etc.
(b) 150 mm thick

Corresponding Item No. 1b of Section -XXI of MbPT SOR 2014
New Item No. 1b of Section -XXI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	1.500	Cu.M.	538.98	808.48	1.	Mazdoor-Male	1.650	No.	478.85	790.10	
2.	Stone dust/ fine sand	0.150	Cu.M.	1197.46	179.62	2.	Mazdoor-Female	2.410	No.	478.85	1154.03	
3.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					993.10	TOTAL (L) =Rs.					1944.13	

Total of (M) + (L) =	(I)	= `	2937.23	Total = (I) + (II) =	(III)	= `	3294.17
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	293.72
Add: Allowance for PF @13.61% of (L)		= `	264.60	Grand Total	=	(III)+(IV)= `	3587.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `	92.35	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	356.94	Therefore, Unit cost	=		
				3587.89	÷	10.00	=Rs. 358.79
			Say Rs. 359.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Laying only dry stone rubble packing in foundation of building etc.
(a) 250 mm thick

Corresponding Item No. 2a of Section -XXI of MbPT SOR 2014
 New Item No. 2a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Mazdoor-Male	2.100	No.	478.85	1005.59	
						2.	Mazdoor-Female	3.220	No.	478.85	1541.90	
TOTAL (M) =Rs.					8.00	TOTAL (L) =Rs.					2547.48	

Total of (M) + (L) =	(I)	= `	2555.48	Total = (I) + (II) =	(III)	= `	3023.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	255.55
Add: Allowance for PF @13.61% of (L)		= `	346.71	Grand Total	=	(III)+(IV)= `	3278.75
Add: Allowance for Employee' insurance @4.75% of (L)		= `	121.01	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	467.72	Therefore, Unit cost	=		
				3278.75	÷	10.00	=Rs. 327.87
			Say Rs. 328.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Laying only dry stone rubble packing in foundation of building etc.
(b) 150 mm thick

Corresponding Item No. 2b of Section -XXI of MbPT SOR 2014
 New Item No. 2b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		5.00	1.	Mazdoor-Male	1.650	No.	478.85	790.10	
						2.	Mazdoor-Female	2.410	No.	478.85	1154.03	
TOTAL (M) =Rs.					5.00	TOTAL (L) =Rs.					1944.13	

Total of (M) + (L) =	(I)	= `	1949.13	Total = (I) + (II) =	(III)	= `	2306.07
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	194.91
Add: Allowance for PF @13.61% of (L)		= `	264.60	Grand Total	=	(III)+(IV)= `	2500.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	92.35	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	356.94	Therefore, Unit cost	=		
				2500.99 ÷ 10.00	=Rs.	250.10	
			Say Rs. 250.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying dry stone rubble pitching 150 to 225mm wide hammer dressed on face etc.
(a) 150 mm deep

Corresponding Item No. 3a of Section -XXI of MbPT SOR 2014
New Item No. 3a of Section -XXI
NBO Ref. No.26.93 Page:712 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	1.500	Cu.M.	538.98	808.48	1.	Mason I	1.080	No.	540.38	583.61	
2.	Cement mortar (1:3)	0.210	Cu.M.	6734.00	1414.14	2.	Mason II	1.080	No.	525.00	567.00	
3.	Sundries		Lumpsum		90.00	3.	Mazdoor-Male	2.150	No.	478.85	1029.53	
4.	Carriage-3.375 Tonnes		Lumpsum		400.00	4.	Mazdoor-Female	1.610	No.	478.85	770.95	
	10.00X0.15Mtrs.@2.25T/Sq.M.						For pointing:					
						5.	Mason III	0.240	No.	498.08	119.54	
						6.	Mazdoor-Male	0.240	No.	478.85	114.92	
TOTAL (M) =Rs.					2712.62	TOTAL (L) =Rs.					3185.55	

Total of (M) + (L) =	(I)	= `	5898.17	Total = (I) + (II) =	(III)	= `	6483.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	589.82
Add: Allowance for PF @13.61% of (L)		= `	433.55	Grand Total	=	(III)+(IV)= `	7072.85
Add: Allowance for Employee' insurance @4.75% of (L)		= `	151.31	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	584.87	Therefore, Unit cost	=		
				7072.85	÷	10.00	=Rs. 707.28
			Say Rs. 707.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying dry stone rubble pitching 150 to 225mm wide hammer dressed on face etc.
(b) 250 mm deep

Corresponding Item No. 3b of Section -XXI of MbPT SOR 2014
New Item No. 3b of Section -XXI
NBO Ref. No.26.93 Page:712 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Rubble stone	2.500	Cu.M.	538.98	1347.46	1.	Mason I	1.080	No.	540.38	583.61	
2.	Cement mortar (1:3)	0.330	Cu.M.	6734.00	2222.22	2.	Mason II	1.080	No.	525.00	567.00	
3.	Sundries		Lumpsum		90.00	3.	Mazdoor-Male	2.150	No.	478.85	1029.53	
4.	Carriage-5.625 Tonnes		Lumpsum		650.00	4.	Mazdoor-Female	1.610	No.	478.85	770.95	
	10.00X0.25Mtrs.@2.25T/Sq.M.						<u>For pointing:</u>					
						5.	Mason III	0.240	No.	498.08	119.54	
						6.	Mazdoor-Male	0.240	No.	478.85	114.92	
TOTAL (M) =Rs.					4309.68	TOTAL (L) =Rs.					3185.55	

Total of (M) + (L) =	(I)	= `	7495.23	Total = (I) + (II) =	(III)	= `	8080.10
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	749.52
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	433.55	Grand Total	=	(III)+(IV)= `	8829.62
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	151.31	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	584.87	Therefore, Unit cost	=		
				8829.62	÷	10.00	=Rs. 882.96
			Say Rs. 883.00			per Sq.M.	

Rate Analysis for 9.00 Mtrs. of Item:
Supplying and fixing in position 3mm thick plastic coated brass wires for drying clothes etc.

Corresponding Item No. 4 of Section -XXI of MbPT SOR 2014
 New Item No. 4 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	T.W. Battens-50X20X600mm	0.0012	Cu.M.	63279.84	75.94	1.	Fixing charges		Lumpsum		30.00	
2.	Plastic coated wire-3mm thick	10.000	Mtrs.	5.93	59.32							
3.	Iron hooks	6.000	Nos.	8.47	50.85							
4.	Sundries		Lumpsum		10.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					196.11						30.00	

Total of (M) + (L) =	(I)	= `	226.11	Total = (I) + (II) =	(III)	= `	231.61
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	22.61
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	254.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	9.00	Mtrs.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	254.22	÷	9.00 =Rs. 28.25
			Say Rs. 28.00			per Mtr.	

Rate Analysis for 1.00 No. of Item:
Providing and fixing m.s. fan hooks of 16mm dia. M.s. bar etc.

Corresponding Item No. 5 of Section -XXI of MbPT SOR 2014
 New Item No. 5 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. Bar-16mm dia	0.0166	qntl.	3898.32	64.71	1.	Blacksmith II	0.040	No.	525.00	21.00	
2.	Sundries		Lumpsum		5.00	2.	Mazdoor-Male	0.040	No.	478.85	19.15	
TOTAL (M) =Rs.					69.71	TOTAL (L) =Rs.					40.15	

Total of (M) + (L) =	(I)	= `	109.87	Total = (I) + (II) =	(III)	= `	117.24
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	10.99
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	5.46	Grand Total	=	(III)+(IV)= `	128.22
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	1.91	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	7.37	Therefore, Unit cost	=		
				128.22 ÷ 1.00	=Rs.		128.22
			Say Rs. 128.00	per each			

Rate Analysis for 12.50 Mtrs. of Item:
Providing and fixing barbed wire fencing of 3 Mtrs. height above GL with m.s. angle post size 50X50X6mm fixed in C.C. foundations 2.5 Mtrs. c/c. etc.

Corresponding Item No. 6 of Section -XXI of MbPT SOR 2014
 New Item No. 6 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	GI Barbed wire Type-I, 100mm pts. ht.	28.000	Kgs.	50.85	1423.73	1.	Blacksmith II	1.000	No.	525.00	525.00	
2.	m.s. Angles-50X50X6mm	1.2618	qntl.	4022.05	5075.02	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	GI staples		Lumpsum		80.00	3.	Carpenter II	1.720	No.	525.00	903.00	
4.	Sundries		Lumpsum		5.00	4.	Mazdoor-Male	1.720	No.	478.85	823.62	
TOTAL (M) =Rs.					6583.75	TOTAL (L) =Rs.					2730.47	

Total of (M) + (L) = (I) = ` 9314.22
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 501.31

*Cost of painting: 1.000 Sq.M.	170.00	170.00
m.s. angles (Item No.8, Section-X)		

Total = (I) + (II) = (III) = ` 9815.54
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 931.42
 Add: Cost for painting*: (V)=Rs. 170.00
 Grand Total = (III)+(IV)+(V) =Rs. 10916.96

This is cost for 12.50 Mtrs.
 Therefore, Unit cost =
 10916.96 ÷ 12.50 =Rs. 873.36

Say Rs. 873.00 per Mtr.

Rate Analysis for 30.00 Mtrs. of Item:
Providing and fixing barbed wire fencing of 2.5 Mtrs. height above GL with bully posts 100mm dia. fixed in C.C. foundation 3 Mtrs. c/c. etc.

Corresponding Item No. 7 of Section -XXI of MbPT SOR 2014
 New Item No. 7 of Section -XXI
 NBO Ref. No.22.22 Page:270 Vol:II

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	GI Barbed wire Type-I, 100mm pts. ht. 588 Mtrs.@0.094Kg./Mtr.+wastage	61.000	Kgs.	50.85	3101.70		For fixing bullies in concrete:					
						1.	Carpenter II	0.750	No.	525.00	393.75	
2.	Bullies-100mm dia.-3Mtrs.	11.000	Nos.	228.81	2516.96	2.	Mazdoor-Male	0.750	No.	478.85	359.14	
3.	Coal tarring-13.11 Sq.M.		Lumpsum		80.00		For fixing & stretching wire:					
4.	GI staples		Lumpsum		120.00	3.	Carpenter II	1.320	No.	525.00	693.00	
5.	Sundries, nails etc.		Lumpsum		90.00	4.	Mazdoor-Male	1.320	No.	478.85	632.08	
6.	Carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					5928.66	TOTAL (L) =Rs.					2077.97	

Total of (M) + (L) =	(I)	= `	8006.63	Total = (I) + (II) =	(III)	= `	8388.14
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	800.66
Add: Allowance for PF @13.61% of (L)		= `	282.81	Grand Total	=	(III)+(IV)= `	9188.81
Add: Allowance for Employee' insurance @4.75% of (L)		= `	98.70	This is cost for	30.00	Mtrs.	
Total of allowances =	(II)	= `	381.52	Therefore, Unit cost	9188.81	÷	30.00 =Rs. 306.29
			Say Rs. 306.00			per Mtr.	

Rate Analysis for 1.50 Mtrs. of Item:
Providing and fixing RCC pre-cast tresspass proof fencing 2.5 Mtrs. high above GL consisting of RCC posts 150X125mm and 1.5 Mtrs. c/c. fixed in RCC foundation etc.

Corresponding Item No. 8 of Section -XXI of MbPT SOR 2014
 New Item No. 8 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Concrete (1:2:4) (Item No.1a(i), Section-IV)	0.350	Cu.M.	5395.52	1888.43	1.	Mason II	1.000	No.	525.00	525.00	
2.	c.c. slab (1:2:4) (Item No.1a(i), Section-IV)	0.106	Cu.M.	5395.52	571.93	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Form work (Form work-'A', Section-IV)	6.480	Sq.M.	214.40	1389.30	3.	Bhisti	1.000	No.	478.85	478.85	
4.	Reinforcement steel @80Kgs/Cu.M.i.e.36.48Kgs/0.456Cu.M. say 37Kgs.	0.370	qntl.	4152.55	1536.44	4.	Fitter II	0.700	No.	525.00	367.50	
5.	Finishing with CM 1:3	0.001	Cu.M.	6734.00	6.73	5.	Mazdoor-Male	0.700	No.	478.85	335.20	
6.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					5412.83	TOTAL (L) =Rs.					3621.95	

Total of (M) + (L) =	(I)	= `	9034.78	Total = (I) + (II) =	(III)	= `	9699.77
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	903.48
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	492.95	Grand Total		=	(III)+(IV)= ` 10603.25
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	172.04	This is cost for	1.50	Mtrs.	
Total of allowances =	(II)	= `	664.99	Therefore, Unit cost	10603.25	÷	1.50 =Rs. 7068.83
			Say Rs. 7069.00			per Mtr.	

Rate Analysis for 3.00 Mtrs. of Item:
Providing and fixing m.s. angle iron fencing 2.5 Mtrs. high above GL with 3 horizontal angles 50X50X6 mm and vertical angles 40X40X6 mm at 150 mm centres with RCC posts 200X200 mm at 3 Mtrs. centres fixed in CC etc.

Corresponding Item No. 9 of Section -XXI of MbPT SOR 2014
 New Item No. 9 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	RCC posts (1:2:4) (Item No.1a(i), Section-IV)	0.224	Cu.M.	5395.52	1208.60	1.	Fixing charges		Lumpsum		50.00	
2.	m.s. angle steel work	2.200	qntl.	4022.05	8848.50							
3.	Welding charges (Rate of Item No.1, Section-XI minus basic rate)	2.200	qntl.	2824.58	6214.08							
4.	Reinforcement steel @80Kgs/Cu.M.i.e.17.92Kgs/0.224Cu.M. say 18Kgs.	0.180	qntl.	4152.55	747.46							
5.	Form work (Form work-'A', Section-IV)	3.000	Sq.M.	214.40	643.19							
6.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					17681.83	TOTAL (L) =Rs.					50.00	

Total of (M) + (L) = (I) = ` 17731.83
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 6.81
Add: Allowance for Employee' insurance @4.75% of (L) = ` 2.38
 Total of allowances = (II) = ` 9.18

*Cost of painting: 1.000 Sq.M. 170.00 170.00 m.s. angles (Item No.8, Section-X)
--

Total = (I) + (II) = (III) = ` 17741.01
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1773.18
 Add: Cost for painting*: (V)=Rs. 170.00
 Grand Total = (III)+(IV)+(V) =Rs. 19684.19

This is cost for 3.00 Mtrs.

Therefore, Unit cost =
 19684.19 ÷ 3.00 =Rs. 6561.40

Say Rs. 6561.00 per Mtr.

Rate Analysis for 1.00 Mtr. of Item:
Providing and fixing 50 mm wide moulded PVC hand rail etc.

Corresponding Item No. 10 of Section -XXI of MbPT SOR 2014
 New Item No. 10 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				124.00							
2.	Add: AICPI rise = 13.30%				16.49							
TOTAL (M) =Rs.					140.49	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 140.49 Total = (III)=Rs. 140.49

Add: for Water charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 140.49 Grand Total = (III)+(IV) =Rs. 140.49

This is cost for 1.00 Mtr.

Therefore, Unit cost =
 140.49 ÷ 1.00 =Rs. 140.49

Say Rs. 140.00 per Mtr.

Rate Analysis for 1.00 Mtr. of Item:
Supplying and installing in position m.s. ERW pipes of 9.15mm wall thickness etc.
(a) 100 mm dia.

Corresponding Item No. 11a of Section -XXI of MbPT SOR 2014
 New Item No. 11a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				1228.00							
2.	Add: AICPI rise = 13.30%				163.32							
TOTAL (M) =Rs.					1391.32	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 1391.32 Total = (III)=Rs. 1391.32

Add: for Water charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 1391.32 Grand Total = (III)+(IV) =Rs. 1391.32

This is cost for 1.00 Mtr.

Therefore, Unit cost =
 1391.32 ÷ 1.00 =Rs. 1391.32

Say Rs. 1391.00 per Mtr.

Rate Analysis for 1.00 Mtr. of Item:
Supplying and installing in position m.s. ERW pipes of 9.15mm wall thickness etc.
(b) 200 mm dia.

Corresponding Item No. 11b of Section -XXI of MbPT SOR 2014
 New Item No. 11b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				3726.00							
2.	Add: AICPI rise = 13.30%				495.56							
TOTAL (M) =Rs.					4221.56	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 4221.56 Total = (III)=Rs. 4221.56

Add: for Water charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 4221.56 Grand Total = (III)+(IV) =Rs. 4221.56

This is cost for 1.00 Mtr.

Therefore, Unit cost =
 4221.56 ÷ 1.00 =Rs. 4221.56

Say Rs. 4222.00 per Mtr.

Rate Analysis for 1.00 Sq.M. of Item:
Providing and applying polyurethane paint on steel surfaces cleaned by sand blasting etc.

Corresponding Item No. 12 of Section -XXI of MbPT SOR 2014
 New Item No. 12 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				485.00							
2.	Add: AICPI rise = 13.30%				64.51							
TOTAL (M) =Rs.					549.51	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 549.51 Total = (III)=Rs. 549.51

Add: for Water charges charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 549.51 Grand Total = (III)+(IV) =Rs. 549.51

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 549.51 ÷ 1.00 =Rs. 549.51

Say Rs. 550.00 per Sq.M.

Rate Analysis for 1.00 Sq.M. of Item:
Providing and applying polyurethane paint on mechanically clean steel surfaces etc.

Corresponding Item No. 13 of Section -XXI of MbPT SOR 2014
 New Item No. 13 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Earlier SOR rate				508.00							
2.	Add: AICPI rise = 13.30%				67.56							
TOTAL (M) =Rs.					575.56	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = Rs. 575.56 Total = (III)=Rs. 575.56

Add: for Water charges @1% of (I) (II) = Rs. Nil Add: Contractor's over-heads & profit @10% of (III) = (IV)=Rs. Nil

Total = (I) + (II) = (III) = Rs. 575.56 Grand Total = (III)+(IV) =Rs. 575.56

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 575.56 ÷ 1.00 =Rs. 575.56

Say Rs. 576.00 per Sq.M.

Rate Analysis for 0.28 Sq.M. of Item:
Providing and fixing 18-20mm thick granite stone of size 2' 00"X1' 6" including engraving etc.

Corresponding Item No. 14 of Section -XXI of MbPT SOR 2014
 New Item No. 14 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Granite size-2'00"X1'6" 3.00Sq.ft.=0.28Sq.M.	0.280	Sq.M.	2177.97	609.83	1.	Mason I	1.000	No.	540.38	540.38	
2.	Brass frame	7.000	feet	55.08	385.59	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Cement	0.025	MT	5762.73	144.07	As per Market Enquiry, Charges for -						
4.	Sundries		Lumpsum		20.00	3.	Carving MbPT emble	1.000	No.	1400.00	1400.00	
						4.	1" size alphabet	159.00	Nos.	21.00	3339.00	
						5.	1.5"size alphabet	13.00	Nos.	34.00	442.00	
						6.	Border	7.000	feet	40.00	280.00	
TOTAL (M) =Rs.					1159.49	TOTAL (L) =Rs.					6480.23	

Total of (M) + (L) =	(I)	= `	7639.72	Total = (I) + (II) =	(III)	= `	8829.49
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	763.97
Add: Allowance for PF @13.61% of (L)		= `	881.96	Grand Total	=	(III)+(IV)= `	9593.47
Add: Allowance for Employee' insurance @4.75% of (L)		= `	307.81	This is cost for	0.28	Sq.M.	
Total of allowances =	(II)	= `	1189.77	Therefore, Unit cost	=		
				9593.47 ÷ 0.28	=Rs.	34262.38	
			Say Rs. 34262.00	per Sq.M.			

Rate Analysis for 1.00 Sq.M. of Item:
Providing and fixing venetian blinds of approved quality etc.

Corresponding Item No. 15 of Section -XXI of MbPT SOR 2014
 New Item No. 15 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Venetian blinds-Aluminium	1.000	Sq.M.	1001.70	1001.70	1.	Fixing charges		Lumpsum		30.00	
2.	Horizontal blinds											
	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1021.70	TOTAL (L) =Rs.					30.00	

Total of (M) + (L) =	(I)	= `	1051.70	Total = (I) + (II) =	(III)	= `	1057.21
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	105.17
Add: Allowance for PF @13.61% of (L)		= `	4.08	Grand Total	=	(III)+(IV)= `	1162.38
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.43	This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `	5.51	Therefore, Unit cost	=		
				1162.38 ÷ 1.00	=Rs.	1162.38	
			Say Rs. 1162.00	per Sq.M.			

Rate Analysis for 1.00 Sq.M. of Item:
Providing and fixing in position white anodised aluminium grills etc.

Corresponding Item No. 16 of Section -XXI of MbPT SOR 2014
 New Item No. 16 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Anodised aluminium grills	1.000	Sq.M.	724.58	724.58	1.	Fixing charges		Lumpsum		40.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					744.58	TOTAL (L) =Rs.					40.00	

Total of (M) + (L) =	(I)	= `	784.58	Total = (I) + (II) =	(III)	= `	791.92
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	78.46
Add: Allowance for PF @13.61% of (L)		= `	5.44	Grand Total	=	(III)+(IV)= `	870.38
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1.90	This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `	7.34	Therefore, Unit cost	=		
				870.38	÷	1.00	=Rs. 870.38
			Say Rs. 870.00			per Sq.M.	

Rate Analysis for 9.00 Sq.M. of Item:
Providing and fixing false ceiling of grid 60X60 cm of acoustic tile of 'Anchor' or equivalent resting on aluminium 'T' section size: 38 X 38 mm, 1.5 mm thick etc.

Corresponding Item No. 17a of Section -XXI of MbPT SOR 2014
 New Item No. 17a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Aluminium 'T' section 38X38mm, 1.5mm thick	36.000	Mtrs.	65.25	2349.16	1.	Fitter I	2.000	No.	540.38	1080.76	
2.	Acoustic tiles	25.000	Nos.	250.00	6250.02	2.	Mazdoor-Male	7.000	No.	478.85	3351.95	
3.	'J' bolts	16.000	Nos.	8.47	135.59	3.	Carpenter I	2.000	No.	540.38	1080.76	
4.	m.s. hooks-16x0.22Kg	0.0352	qntl.	3898.32	137.22							
5.	Glass wool	9.000	Sq.M.	29.66	266.95							
6.	Fixtures (screws, angles)		Lumpsum		400.00							
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					9588.94	TOTAL (L) =Rs.					5513.47	

Total of (M) + (L) = (I) = ` 15102.41
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 750.38
Add: Allowance for Employee' insurance @4.75% of (L) = ` 261.89
 Total of allowances = (II) = ` 1012.27

*Cost of painting: 9.000 Sq.M. 170.00 1530.00 (Item No.8, Section-X)
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Total = (I) + (II) = (III) = ` 16114.68
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1510.24
 Add: Cost for painting*: (V)=Rs. 1530.00
 Grand Total = (III)+(IV)+(V) =Rs. 19154.93

This is cost for 9.00 Sq.M.
 Therefore, Unit cost =
 19154.93 ÷ 9.00 =Rs. 2128.33

Say Rs. 2128.00 per Sq.M.

Rate Analysis for 13.32 Sq.M. of Item:
Providing and fixing PVC false ceiling consisting of 600X600 mm, 3 mm thick plain PVC sheet used as panel

Corresponding Item No. 17b of Section -XXI of MbPT SOR 2014
 New Item No. 17b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Aluminium 'T' section	7.190	Kgs.	188.98	1358.79	1.	Supervisor	0.500	No.	540.38	270.19	
2.	Aluminium 'L' section	3.000	Kgs.	188.98	566.95	2.	Fitter I	2.000	No.	540.38	1080.76	
3.	PVC sheet-3mm thick	13.320	Sq.M.	633.05	8432.26	3.	Carpenter I	0.500	No.	540.38	270.19	
4.	'J' bolts	16.000	Nos.	8.47	135.59	4.	Mazdoor-Male	4.000	No.	478.85	1915.40	
5.	m.s. hooks-16x0.22Kg	0.0352	qntl.	3898.32	137.22							
6.	Cleat, screws etc.		Lumpsum		250.00							
7.	Fixtures (m.s.rods, angles)		Lumpsum		400.00							
8.	Sundries		Lumpsum		50.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					11330.82						3536.54	

Total of (M) + (L) =	(I)	= `	14867.36	Total = (I) + (II) =	(III)	= `	15516.67
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1486.74
Add: Allowance for PF @13.61% of (L)		= `	481.32	Grand Total =	(III)+(IV)=	`	17003.40
Add: Allowance for Employee' insurance @4.75% of (L)		= `	167.99	Grand Total =	(III)+(IV)+(V) =Rs.		17003.40
Total of allowances =	(II)	= `	649.31	This is cost for	13.32	Sq.M.	
				Therefore, Unit cost	17003.40	÷	13.32 =Rs. 1276.53
				Say Rs. 1277.00	per	Sq.M.	

Rate Analysis for 1.00 Sq.M. of Item:
Providing and fixing 4 mm thick clear and transparent acrylic sheet etc.

Corresponding Item No. 18 of Section -XXI of MbPT SOR 2014
 New Item No. 18 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Transparent acrylic sheet-4mm thick	1.000	Sq.M.	889.83	889.83	1.	Fixing charges		Lumpsum		25.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					909.83	TOTAL (L) =Rs.					25.00	

Total of (M) + (L) =	(I)	= `	934.83	Total = (I) + (II) =	(III)	= `	939.42
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	93.48
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	3.40	Grand Total	=	(III)+(IV)= `	1032.91
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1.19	This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `	4.59	Therefore, Unit cost	=		
				1032.91	÷	1.00	=Rs. 1032.91
			Say Rs. 1033.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing 10 guage chain link etc.
(a) 25 X 25 mm

Corresponding Item No. 19a of Section -XXI of MbPT SOR 2014
 New Item No. 19a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Chain link-10guage-25X25	10.000	Sq.M.	330.51	3305.09	1.	Fitter II	1.000	No.	525.00	525.00	
2.	Sundries, U clips etc.		Lumpsum		150.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					3455.09	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	4458.94	Total = (I) + (II) =	(III)	= `	4643.25
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	445.89
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	5089.15
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				5089.15	÷	10.00	=Rs. 508.91
			Say Rs. 509.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing 10 guage chain link etc.
(b) 50 X 50 mm

Corresponding Item No. 19b of Section -XXI of MbPT SOR 2014
 New Item No. 19b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Chain link-10guage-50X50	10.000	Sq.M.	126.27	1262.72	1.	Fitter II	1.000	No.	525.00	525.00	
2.	Sundries, U clips etc.		Lumpsum		150.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					1412.72	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	2416.57	Total = (I) + (II) =	(III)	= `	2600.87
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	241.66
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	2842.53
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				2842.53	÷	10.00	=Rs. 284.25
			Say Rs. 284.00	per Sq.M.			

Rate Analysis for 10.00 Kgs. of Item:
Providing and fixing extruded aluminium sections with 15 micron anodising in partition, doors, sliding windows ... etc.

Corresponding Item No. 20 of Section -XXI of MbPT SOR 2014
 New Item No. 20 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Extruded aluminium sections incl. wastage	10.500	Kgs.	188.98	1984.33	1.	Fitter I	1.500	No.	540.38	810.57	
2.	Screws, fastenings etc.		Lumpsum		100.00	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2104.33	TOTAL (L) =Rs.					1768.27	

Total of (M) + (L) =	(I)	= `	3872.60	Total = (I) + (II) =	(III)	= `	4197.25
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	387.26
Add: Allowance for PF @13.61% of (L)		= `	240.66	Grand Total	=	(III)+(IV)= `	4584.51
Add: Allowance for Employee' insurance @4.75% of (L)		= `	83.99	This is cost for	10.00	Kgs.	
Total of allowances =	(II)	= `	324.65	Therefore, Unit cost	=		
				4584.51	÷	10.00	=Rs. 458.45
			Say Rs. 458.00			per Kg.	

Item No.20(a)

Extra over rate for colour anadizing = **63.56 per Kg.**

Rate Analysis for 1.00 No. of Item:
Extra over rate for providing and fixing door closer etc. for Item No.20 above

Corresponding Item No. 21 of Section -XXI of MbPT SOR 2014
 New Item No. 21 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Door closure-'Falcon' make	1.00	No.	932.21	932.21	1.	Carpenter II	1.000	No.	525.00	525.00	
2.	Mortice lock-'Godrej' make	1.00	No.	720.34	720.34	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Aluminium hinges-125mm	3.00	Nos.	55.08	165.25							
4.	Sundries, screws etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					1837.80	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	2841.65	Total = (I) + (II) =	(III)	= `	3025.96
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	284.17
Add: Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	3310.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				3310.12 ÷	1.00	=Rs.	3310.12
			Say Rs. 3310.00	per each			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing 5mm thick glass for partition/ doors/ sliding windows etc.
(a) Plain/ ground glass

Corresponding Item No. 22a of Section -XXI of MbPT SOR 2014
 New Item No. 22a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Ground glass-5mm thick	11.00	Sq.M.	466.10	5127.13	1.	Glazier	0.500	No.	498.08	249.04	
2.	Rubber gasket	40.00	Mtrs.	13.56	542.37	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					5749.51	TOTAL (L) =Rs.					488.47	

Total of (M) + (L) =	(I)	= `	6237.97	Total = (I) + (II) =	(III)	= `	6327.65
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	623.80
Add: Allowance for PF @13.61% of (L)		= `	66.48	Grand Total	=	(III)+(IV)= `	6951.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	23.20	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	89.68	Therefore, Unit cost	=		
				6951.45	÷	10.00	=Rs. 695.15
			Say Rs. 695.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing 5mm thick glass for partition/ doors/ sliding windows etc.
(b) Tinted glass

Corresponding Item No. 22b of Section -XXI of MbPT SOR 2014
 New Item No. 22b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tinted glass-5mm thick	11.00	Sq.M.	522.88	5751.71	1.	Glazier	0.500	No.	498.08	249.04	
2.	Rubber gasket	40.00	Mtrs.	13.56	542.37	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					6374.09	TOTAL (L) =Rs.					488.47	

Total of (M) + (L) =	(I)	= `	6862.55	Total = (I) + (II) =	(III)	= `	6952.23
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	686.26
Add: Allowance for PF @13.61% of (L)		= `	66.48	Grand Total	=	(III)+(IV)= `	7638.49
Add: Allowance for Employee' insurance @4.75% of (L)		= `	23.20	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	89.68	Therefore, Unit cost	=		
				7638.49	÷	10.00	=Rs. 763.85
			Say Rs. 764.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing 10 mm thick both side laminated particle board of approved quality and manufacturer for partitions/ doors etc.

Corresponding Item No. 23 of Section -XXI of MbPT SOR 2014
 New Item No. 23 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Particle board-10mm thick	10.00	Sq.M.	361.87	3618.65	1.	Carpenter II	1.000	No.	525.00	525.00	
2.	Sundries		Lumpsum		250.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					3868.65	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	4872.50	Total = (I) + (II) =	(III)	= `	5056.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	487.25
Add: Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	5544.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				5544.06 ÷ 10.00	=Rs.	554.41	
			Say Rs. 554.00	per Sq.M.			

Rate Analysis for 1.00 No. of Item:
Providing and fixing in position 580mm long approved white glazed vitreous chinaware w.c. pan including removing old w.c. pan and all necessary fittings etc.
(a) Indian style

Corresponding Item No. 24a of Section -XXI of MbPT SOR 2014
 New Item No. 24a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	w.c. Indian pan (Item No.1, Section-XVI) Less:	1.000	No.	6051.85	6051.85							
a)	CI cistern (10 Ltr)	1.000	No.	1355.94	-1355.94							
b)	Brass stop cock	1.000	No.	211.87	-211.87							
c)	GI over flow pipe	0.500	Mtr.	70.34	-35.17							
d)	Mosquito-proof coupling	1.000	No.	23.73	-23.73							
e)	GI pipe 32mm dia. 'B' class	1.200	Mtr.	144.92	-173.90							
f)	Lead pipe 32mm dia.	1.000	Mtr.	388.14	-388.14							
g)	GI pipe inlet	0.600	Mtr.	55.08	-33.05							
TOTAL (M) =Rs.					3830.06	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	3830.06	Total = (I) + (II) =	(III)	= `	3830.06
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	383.01
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 4213.07
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	4213.07	÷	1.00 =Rs. 4213.07
				Say Rs. 4213.00 per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing in position 580mm long approved white glazed vitreous chinaware w.c. pan including removing old w.c. pan and all necessary fittings etc.
(b) Orissa pattern

Corresponding Item No. 24b of Section -XXI of MbPT SOR 2014
New Item No. 24b of Section -XXI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cost for w.c. pan (Item No.24a above)	1.000	No.	3830.06	3830.06							
	<u>Add:</u>											
a)	Cost difference between Orissa & Indian pans	1033.90	-	669.49	364.41							
	<u>Less:</u>											
i)	Cost of foot rests	1.000	No.	116.95	-116.95							
TOTAL (M) =Rs.					4077.52	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	4077.52	Total = (I) + (II) =	(III)	= `	4077.52
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	407.75
<u>Add:</u> Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	4485.27
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	4485.27	÷	1.00 =Rs. 4485.27
				Say Rs. 4485.00	per	each	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying waterproofing treatment to mori, bath and w.c. etc.

Corresponding Item No. 25 of Section -XXI of MbPT SOR 2014
 New Item No. 25 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.20	MT	5762.73	1152.55	1.	Mason I	3.000	No.	540.38	1621.14	
2.	Sand	0.30	Cu.M.	2994.92	898.48	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Stone aggregate	0.30	Cu.M.	898.31	269.49							
4.	Waterproofing compound	4.00	Kgs.	46.61	186.44							
5.	Brick bats	1.00	Cu.M.	1864.41	1864.41							
6.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					4451.37	TOTAL (L) =Rs.					3536.54	

Total of (M) + (L) =	(I)	= `	7987.91	Total = (I) + (II) =	(III)	= `	8637.22
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	798.79
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	481.32	Grand Total	=	(III)+(IV)= `	9436.01
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	167.99	This is cost for 10.00 Sq.M.			
Total of allowances =	(II)	= `	649.31	Therefore, Unit cost	=		
				9436.01 ÷ 10.00	=Rs.		943.60
			Say Rs. 944.00	per Sq.M.			

Rate Analysis for 15.00 Sq.M. of Item:
Providing and erecting double scaffolding etc.

Corresponding Item No. 26 of Section -XXI of MbPT SOR 2014
 New Item No. 26 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	No. of bamboos (For 5X3 Mtrs.)	15.00	Nos.	93.22	1398.31	1.	Mason III	8.000	No.	498.08	3984.64	
2.	Coir rope	50.00	Kgs.	84.75	4237.30	2.	Mazdoor-Male	16.000	No.	478.85	7661.60	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					5655.61	TOTAL (L) =Rs.					11646.24	

Total of (M) + (L) =	(I)	= `	17301.85	Total = (I) + (II) =	(III)	= `	19440.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1730.18
Add: Allowance for PF @13.61% of (L)		= `	1585.05	Grand Total	=	(III)+(IV)= `	21170.28
Add: Allowance for Employee' insurance @4.75% of (L)		= `	553.20	This is cost for	15.00	Sq.M.	
Total of allowances =	(II)	= `	2138.25	Therefore, Unit cost	=		
				21170.28	÷	15.00	=Rs. 1411.35
The scaffolding is used for 15 uses				This is cost per	Sq.M.		
Therefore, cost of scaffolding per use =			1411.35 /15	=	94.09		
				Say Rs. 94.00	per Sq.M.		

Rate Analysis for 5.00 Nos. of Item:
Stopping leakages in joints of sanitary and water supply system etc.

Corresponding Item No. 27 of Section -XXI of MbPT SOR 2014
 New Item No. 27 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Scaffolding		Lumpsum		170.00	1.	Mason III	1.000	No.	498.08	498.08	
2.	Sundries		Lumpsum		50.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					220.00	TOTAL (L) =Rs.					976.93	

Total of (M) + (L) =	(I)	= `	1196.93	Total = (I) + (II) =	(III)	= `	1376.29
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	119.69
Add: Allowance for PF @13.61% of (L)		= `	132.96	Grand Total	=	(III)+(IV)= `	1495.99
Add: Allowance for Employee' insurance @4.75% of (L)		= `	46.40	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	179.36	Therefore, Unit cost		=	
				1495.99	÷	5.00	=Rs. 299.20
			Say Rs. 299.00	per each			

Rate Analysis for 100.00 Mtrs. of Item:
Cleaning thoroughly the roof gutter of various sheds and warehouses etc.

Corresponding Item No. 28 of Section -XXI of MbPT SOR 2014
 New Item No. 28 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Transportation to MCGM, Deonar One lorry = 5.5 Cu.M. One trip = 5.5X'436='2398/- (Item No.17, Section-III)	0.25	Trip	2255.00	563.75	1.	Mate	1.000	No.	478.85	478.85	
2.	Sundries		Lumpsum		50.00	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
TOTAL (M) =Rs.					613.75	TOTAL (L) =Rs.					2394.25	

Total of (M) + (L) =	(I)	= `	3008.00	Total = (I) + (II) =	(III)	= `	3447.58
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	300.80
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	325.86	Grand Total	=	(III)+(IV)= `	3748.38
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	113.73	This is cost for 100.00 Mtrs.			
Total of allowances =	(II)	= `	439.58	Therefore, Unit cost	=		
				3748.38 ÷ 100.0	=Rs.		37.48
			Say Rs. 37.00		per Mtr.		

Rate Analysis for 50.00 Sq.M. of Item:
Dammering the roof in two coats with mixture of tar etc.

Corresponding Item No. 29 of Section -XXI of MbPT SOR 2014
 New Item No. 29 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Dongri cloth	50.00	Sq.M.	8.47	423.73	1.	Tiler II	1.000	No.	525.00	525.00	
2.	Tar	50.00	Kgs.	31.36	1567.80	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Fuel wood	50.00	Kgs.	7.20	360.17							
4.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					2431.70	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	4872.10	Total = (I) + (II) =	(III)	= `	5320.16
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	487.21
Add: Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	5807.37
Add: Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	50.00	Sq.M.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				5807.37	÷	50.0	=Rs. 116.15
			Say Rs. 116.00			per Sq.M.	

Rate Analysis for 150.00 Nos. of Item:
Providing and applying waterproof cement compound to the roofing nuts and bolts etc.

Corresponding Item No. 30 of Section -XXI of MbPT SOR 2014
 New Item No. 30 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Plastic roofing compound	1.00	Kg.	111.86	111.86	1.	Fitter II	1.000	No.	525.00	525.00	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
TOTAL (M) =Rs.					131.86	TOTAL (L) =Rs.					1482.70	

Total of (M) + (L) =	(I)	= `	1614.56	Total = (I) + (II) =	(III)	= `	1886.79
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	161.46
Add: Allowance for PF @13.61% of (L)		= `	201.80	Grand Total	=	(III)+(IV)= `	2048.24
Add: Allowance for Employee' insurance @4.75% of (L)		= `	70.43	This is cost for	150.00	Nos.	
Total of allowances =	(II)	= `	272.22	Therefore, Unit cost	=		
				2048.24	÷	150.0	=Rs. 13.65
			Say Rs. 14.00	per each			

Rate Analysis for 5.00 Nos. of Item:
Removing carefully the damaged man-hole/ inspection chamber/ water gully frame etc.

Corresponding Item No. 31 of Section -XXI of MbPT SOR 2014
 New Item No. 31 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Mason III	1.000	No.	498.08	498.08	
						2.	Mazdoor-Male	2.000	No.	478.85	957.70	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					50.00						1455.78	

Total of (M) + (L) =	(I)	= `	1505.78	Total = (I) + (II) =	(III)	= `	1773.06
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	150.58
Add: Allowance for PF @13.61% of (L)		= `	198.13	Grand Total	=	(III)+(IV)= `	1923.64
Add: Allowance for Employee' insurance @4.75% of (L)		= `	69.15	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	267.28	Therefore, Unit cost		=	
				1923.64	÷	5.0	=Rs. 384.73
			Say Rs.	385.00	per	each	

Rate Analysis for 4.00 Nos. of Item:
Fixing only CI or RCC frame and cover over the existing man-holes etc.

Corresponding Item No. 32 of Section -XXI of MbPT SOR 2014
 New Item No. 32 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.0125	MT	5762.73	72.03	1.	Mason II	1.000	No.	525.00	525.00	
2.	Sand	0.03	Cu.M.	2994.92	89.85	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Stone aggregate	0.01	Cu.M.	898.31	8.98							
4.	Bricks	25.00	Nos.	5.08	127.12							
5.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					347.98	TOTAL (L) =Rs.					1482.70	

Total of (M) + (L) =	(I)	= `	1830.68	Total = (I) + (II) =	(III)	= `	2102.91
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	183.07
Add: Allowance for PF @13.61% of (L)		= `	201.80	Grand Total	=	(III)+(IV)= `	2285.98
Add: Allowance for Employee' insurance @4.75% of (L)		= `	70.43	This is cost for 4.00 Nos.			
Total of allowances =	(II)	= `	272.22	Therefore, Unit cost	=		
				2285.98 ÷ 4.00	=Rs.		571.49
			Say Rs. 571.00	per each			

Rate Analysis for 5.00 Sq.M. of Item:
Providing and fixing plain/ ground glasses of 4mm thick to window etc.

Corresponding Item No. 33 of Section -XXI of MbPT SOR 2014
 New Item No. 33 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Glass-4mm thick	5.00	Sq.M.	434.75	2173.73	1.	Fitter I	1.000	No.	540.38	540.38	
2.	Breakage 20%	1.00	Sq.M.	434.75	434.75	2.	Painter II	1.000	No.	525.00	525.00	
3.	'Z' pins	300.00	Nos.	0.38	115.22	3.	Mazdoor-Male	4.000	No.	478.85	1915.40	
4.	Putty		Lumpsum		80.00							
5.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2823.70	TOTAL (L) =Rs.					2980.78	

Total of (M) + (L) =	(I)	= `	5804.48	Total = (I) + (II) =	(III)	= `	6351.75
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	580.45
Add: Allowance for PF @13.61% of (L)		= `	405.68	Grand Total	=	(III)+(IV)= `	6932.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	141.59	This is cost for	5.00	Sq.M.	
Total of allowances =	(II)	= `	547.27	Therefore, Unit cost	=		
				6932.20 ÷ 5.00	=Rs.	1386.44	
			Say Rs. 1386.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing tar felt in 2 layers etc.

Corresponding Item No. 34 of Section -XXI of MbPT SOR 2014
 New Item No. 34 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tar felt	10.00	Sq.M.	67.80	677.97	1.	Tiler I	1.000	No.	540.38	540.38	
2.	Bitumen coal tar	2.00	Lits.	55.08	110.17	2.	Mason II	1.000	No.	525.00	525.00	
3.	Fuel wood	20.00	Kgs.	7.20	144.07	3.	Mazdoor-Male	3.000	No.	478.85	1436.55	
4.	Stone dust		Lumpsum		50.00	4.	Mazdoor-Female	3.000	No.	478.85	1436.55	
5.	Sundries		Lumpsum		100.00							
TOTAL (M) =Rs.					1082.21	TOTAL (L) =Rs.					3938.48	

Total of (M) + (L) =	(I)	= `	5020.69	Total = (I) + (II) =	(III)	= `	5743.79
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	502.07
Add: Allowance for PF @13.61% of (L)		= `	536.03	Grand Total	=	(III)+(IV)= `	6245.86
Add: Allowance for Employee' insurance @4.75% of (L)		= `	187.08	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	723.10	Therefore, Unit cost	=		
				6245.86 ÷ 10.00	=Rs.	624.59	
			Say Rs. 625.00	per Sq.M.			

Rate Analysis for 5.00 Nos. of Item:
Providing and fixing new CI Single 'Y' junctions etc.
(a) 75 mm dia.

Corresponding Item No. 35a of Section -XXI of MbPT SOR 2014
 New Item No. 35a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Single 'Y' junctions 75mm dia.	5.00	Nos.	686.44	3432.21	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement	0.001	MT	5762.73	5.76	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Scaffolding		Lumpsum		50.00							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					3537.98	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) = (I) = ` 5978.38

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 332.14

Add: Allowance for Employee' insurance @4.75% of (L) = ` 115.92

Total of allowances = (II) = ` 448.06

Total = (I) + (II) = (III) = ` 6426.43

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 597.84

Grand Total = (III)+(IV)= ` 7024.27

This is cost for 5.00 Nos.

Therefore, Unit cost = 7024.27 ÷ 5.00 =Rs. 1404.85

Say Rs. 1405.00 per each

Rate Analysis for 5.00 Nos. of Item:
Providing and fixing new CI Single 'Y' junctions etc.
(b) 100 mm dia.

Corresponding Item No. 35b of Section -XXI of MbPT SOR 2014
 New Item No. 35b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Single 'Y' junctions 100mm dia.	5.00	Nos.	960.17	4800.86	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement	0.001	MT	5762.73	5.76	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Scaffolding		Lumpsum		50.00							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					4906.62	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	7347.02	Total = (I) + (II) =	(III)	= `	7795.08
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	734.70
Add: Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	8529.78
Add: Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for 5.00 Nos.			
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				8529.78 ÷ 5.00	=Rs.	1705.96	
			Say Rs. 1706.00	per each			

Rate Analysis for 5.00 Nos. of Item:
Providing and fixing new CI Double 'Y' junctions etc.
(a) 75 mm dia.

Corresponding Item No. 36a of Section -XXI of MbPT SOR 2014
 New Item No. 36a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Double 'Y' junctions 75mm dia.	5.00	Nos.	852.54	4262.72	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement	0.001	MT	5762.73	5.76	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Scaffolding		Lumpsum		50.00							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					4368.49	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	6808.89	Total = (I) + (II) =	(III)	= `	7256.94
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	680.89
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	7937.83
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				7937.83 ÷ 5.00	=Rs.	1587.57	
			Say Rs. 1588.00	per each			

Rate Analysis for 5.00 Nos. of Item:
Providing and fixing new CI Double 'Y' junctions etc.
(b) 100 mm dia.

Corresponding Item No. 36b of Section -XXI of MbPT SOR 2014
 New Item No. 36b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Double 'Y' junctions 100mm dia.	5.00	Nos.	1183.90	5919.51	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement	0.001	MT	5762.73	5.76	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Scaffolding		Lumpsum		50.00							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					6025.27	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	8465.67	Total = (I) + (II) =	(III)	= `	8913.73
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	846.57
Add: Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	9760.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for 5.00 Nos.			
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				9760.30 ÷ 5.00	=Rs.	1952.06	
			Say Rs. 1952.00	per each			

Rate Analysis for 5.00 Nos. of Item:
Providing and fixing new CI Bends/ 'T's etc.
(a) 75 mm dia.

Corresponding Item No. 37a of Section -XXI of MbPT SOR 2014
 New Item No. 37a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Bends/ 'T's-75mm dia.	5.00	Nos.	444.07	2220.35	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement	0.001	MT	5762.73	5.76	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Scaffolding		Lumpsum		50.00							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					2326.11	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	4766.51	Total = (I) + (II) =	(III)	= `	5214.57
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	476.65
Add: Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	5691.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				5691.22 ÷ 5.00	=Rs.	1138.24	
			Say Rs. 1138.00	per each			

Rate Analysis for 5.00 Nos. of Item:
Providing and fixing new CI Bends/ 'T's etc.
(b) 100 mm dia.

Corresponding Item No. 37b of Section -XXI of MbPT SOR 2014
 New Item No. 37b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	CI Bends/ 'T's-100mm dia.	5.00	Nos.	544.92	2724.58	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement	0.001	MT	5762.73	5.76	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Scaffolding		Lumpsum		50.00							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					2830.35	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	5270.75	Total = (I) + (II) =	(III)	= `	5718.80
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	527.07
Add: Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	6245.88
Add: Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				6245.88 ÷ 5.00	=Rs.	1249.18	
			Say Rs. 1249.00	per each			

Rate Analysis for 30.00 Mtrs. of Item:
Removing and re-fixing kerb stones/ C.C. blocks to the required line etc.

Corresponding Item No. 38 of Section -XXI of MbPT SOR 2014
 New Item No. 38 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.050	MT	5762.73	288.14	1.	Mason II	1.000	No.	525.00	525.00	
2.	Sand	0.10	Cu.M.	2994.92	299.49	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					637.63	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	3078.03	Total = (I) + (II) =	(III)	= `	3526.09
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	307.80
Add: Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	3833.89
Add: Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	30.00	Mtrs.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost		=	
				3833.89	÷	30.00	=Rs. 127.80
			Say Rs. 128.00		per	Mtr.	

Rate Analysis for 5.00 Nos. of Item:
Removing carefully the existing corroded m.s. frame and covers etc.

Corresponding Item No. 39 of Section -XXI of MbPT SOR 2014
 New Item No. 39 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.025	MT	5762.73	144.07	1.	Mason II	1.000	No.	525.00	525.00	
2.	Sand	0.04	Cu.M.	2994.92	119.80	2.	Mazdoor-Male	5.000	No.	478.85	2394.25	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					283.87	TOTAL (L) =Rs.					2919.25	

Total of (M) + (L) =	(I)	= `	3203.12	Total = (I) + (II) =	(III)	= `	3739.09
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	320.31
Add: Allowance for PF @13.61% of (L)		= `	397.31	Grand Total	=	(III)+(IV)= `	4059.40
Add: Allowance for Employee' insurance @4.75% of (L)		= `	138.66	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	535.97	Therefore, Unit cost		=	
				4059.40	÷	5.00	=Rs. 811.88
			Say Rs. 812.00	per each			

Rate Analysis for 4.00 Nos. of Item:
Providing and fixing 15mm dia. brass nickel plated pillar tap etc.

Corresponding Item No. 40 of Section -XXI of MbPT SOR 2014
 New Item No. 40 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Brass nickel plated pillar tap	4.000	Nos.	271.19	1084.75	1.	Plumber II	1.000	No.	525.00	525.00	
2.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					1114.75	TOTAL (L) =Rs.					525.00	

Total of (M) + (L) =	(I)	= `	1639.75	Total = (I) + (II) =	(III)	= `	1736.14
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	163.97
Add: Allowance for PF @13.61% of (L)		= `	71.45	Grand Total	=	(III)+(IV)= `	1900.11
Add: Allowance for Employee' insurance @4.75% of (L)		= `	24.94	This is cost for	4.00	Nos.	
Total of allowances =	(II)	= `	96.39	Therefore, Unit cost		=	
				1900.11	÷	4.00	=Rs. 475.03
			Say Rs. 475.00	per each			

Rate Analysis for 60.00 Mtrs. of Item:
Removing chokes in sewer lines of dia. upto 300mm etc.

Corresponding Item No. 41 of Section -XXI of MbPT SOR 2014
 New Item No. 41 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		180.00	1.	Mate	1.000	No.	478.85	478.85	
						2.	Mazdoor-Male	6.000	No.	478.85	2873.10	
						3.	Mazdoor-Female	4.000	No.	478.85	1915.40	
TOTAL (M) =Rs.					180.00	TOTAL (L) =Rs.					5267.35	

Total of (M) + (L) =	(I)	= `	5447.35	Total = (I) + (II) =	(III)	= `	6414.44
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	544.74
Add: Allowance for PF @13.61% of (L)		= `	716.89	Grand Total	=	(III)+(IV)= `	6959.17
Add: Allowance for Employee' insurance @4.75% of (L)		= `	250.20	This is cost for	60.00	Mtrs.	
Total of allowances =	(II)	= `	967.09	Therefore, Unit cost	=		
				6959.17	÷	60.00	=Rs. 115.99
			Say Rs. 116.00			per Mtr.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing GI plain sheet of 20 guage in chajjas at various floor levels of building with GI 'J' or 'L' hooks, nuts etc.

Corresponding Item No. 42 of Section -XXI of MbPT SOR 2014
 New Item No. 42 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	GI Sheet-20 guage incl.10%	11.000	Sq.M.	637.29	7010.19	1.	Fitter I	1.000	No.	540.38	540.38	
2.	Hooks, washers etc.		Lumpsum		500.00	2.	Fitter II	2.000	No.	525.00	1050.00	
3.	Scaffolding		Lumpsum		180.00	3.	Mazdoor-Female	6.000	No.	478.85	2873.10	
4.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					7710.19	TOTAL (L) =Rs.					4463.48	

Total of (M) + (L) = (I) = ` 12173.67
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 607.48
Add: Allowance for Employee' insurance @4.75% of (L) = ` 212.02
 Total of allowances = (II) = ` 819.49

*Cost of painting: 20.000 Sq.M. 170.00 3400.00 (Item No.8, Section-X)
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Total = (I) + (II) = (III) = ` 12993.16
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1217.37
 Add: Cost for painting*: (V)=Rs. 3400.00
 Grand Total = (III)+(IV)+(V) =Rs. 17610.53

This is cost for 10.00 Sq.M.
 Therefore, Unit cost =
 17610.53 ÷ 10.00 =Rs. 1761.05

Say Rs. 1761.00 per Sq.M.

Rate Analysis for 100.00 Sq.M. of Item:
Removing and re-setting old sett stone pavement at places etc.

Corresponding Item No. 43 of Section -XXI of MbPT SOR 2014
 New Item No. 43 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.0675	MT	5762.73	388.98	1.	Mason I	1.000	No.	540.38	540.38	
2.	Sand	2.65	Cu.M.	2994.92	7936.55	2.	Mason II	2.000	No.	525.00	1050.00	
3.	Sundries		Lumpsum		90.00	3.	Mazdoor-Male	4.000	No.	478.85	1915.40	
						4.	Mazdoor-Female	2.000	No.	478.85	957.70	
TOTAL (M) =Rs.					8415.53	TOTAL (L) =Rs.					4463.48	

Total of (M) + (L) =	(I)	= `	12879.01	Total = (I) + (II) =	(III)	= `	13698.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1287.90
Add: Allowance for PF @13.61% of (L)		= `	607.48	Grand Total	=	(III)+(IV)= `	14986.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	212.02	This is cost for	100.00	Sq.M.	
Total of allowances =	(II)	= `	819.49	Therefore, Unit cost	=		
				14986.41	÷	100.0	=Rs. 149.86
			Say Rs. 150.00			per Sq.M.	

Rate Analysis for 10.00 Mtrs. of Item:
Welding to any type of structural steel work tack welding or stitch welding etc.

Corresponding Item No. 44 of Section -XXI of MbPT SOR 2014
 New Item No. 44 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for welding plant		Lumpsum		100.00	1.	Welder	1.000	No.	525.00	525.00	
2.	Welding rods		Lumpsum		300.00	2.	Fitter II	1.000	No.	525.00	525.00	
3.	Sundries		Lumpsum		30.00	3.	Mazdoor-Male	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					430.00	TOTAL (L) =Rs.					1528.85	

Total of (M) + (L) =	(I)	= `	1958.85	Total = (I) + (II) =	(III)	= `	2239.55
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	195.89
Add: Allowance for PF @13.61% of (L)		= `	208.08	Grand Total		=	(III)+(IV)= ` 2435.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	72.62	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	280.70	Therefore, Unit cost		=	
				2435.43 ÷ 10.0		=Rs.	243.54
			Say Rs. 244.00	per Mtr.			

Rate Analysis for 6.00 Mtrs. of Item:
Cutting any type of structural steel work of any size, thickness by gas cutting etc.

Corresponding Item No. 45 of Section -XXI of MbPT SOR 2014
 New Item No. 45 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Oxygen-Acetelene gas		Lumpsum		200.00	1.	Welder	1.000	No.	525.00	525.00	
2.	Sundries		Lumpsum		30.00	2.	Fitter II	1.000	No.	525.00	525.00	
						3.	Mazdoor-Male	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					230.00	TOTAL (L) =Rs.					1528.85	

Total of (M) + (L) =	(I)	= `	1758.85	Total = (I) + (II) =	(III)	= `	2039.55
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	175.89
Add: Allowance for PF @13.61% of (L)		= `	208.08	Grand Total	=	(III)+(IV)= `	2215.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	72.62	This is cost for 6.00 Mtrs.			
Total of allowances =	(II)	= `	280.70	Therefore, Unit cost	=		
				2215.43 ÷ 6.0	=Rs.		369.24
			Say Rs. 369.00	per Mtr.			

Rate Analysis for 30.00 Mtrs. of Item:
Racking out the cracks developed in the existing RCC structural members etc.

Corresponding Item No. 46 of Section -XXI of MbPT SOR 2014
 New Item No. 46 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Epoxy resin	3.00	Lits.	334.14	1002.42	1.	Mason II	1.000	No.	525.00	525.00	
2.	Hardner	1.50	Lits.	380.23	570.34	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	Quartz sand	25.50	Kgs.	5.93	151.27							
4.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					1754.03	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	4194.43	Total = (I) + (II) =	(III)	= `	4642.49
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	419.44
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	5061.93
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	30.00	Mtrs.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				5061.93	÷	30.0	=Rs. 168.73
			Say Rs. 169.00			per Mtr.	

Rate Analysis for 1.00 No. of Item:
Dismantling the damaged hook bollards by excavating etc.

Corresponding Item No. 47 of Section -XXI of MbPT SOR 2014
 New Item No. 47 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Concrete (1:1.5:3) (Item No.3b(i), Section-IV)	3.00	Cu.M.	5818.14	17454.42	1.	Excavator	2.000	No.	498.08	996.16	
2.	Gas cutting		Lumpsum		150.00	2.	Mason III	2.000	No.	498.08	996.16	
3.	Welding		Lumpsum		450.00	3.	Mazdoor-Male	2.000	No.	478.85	957.70	
4.	Hire for compressor	1.00	Day	3220.35	3220.35							
4.	Sundries		Lumpsum		150.00							
TOTAL (M) =Rs.					21424.77	TOTAL (L) =Rs.					2950.02	

Total of (M) + (L) =	(I)	= `	24374.79	Total = (I) + (II) =	(III)	= `	24916.42
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	2437.48
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	401.50	Grand Total	=	(III)+(IV)= `	27353.89
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	140.13	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	541.62	Therefore, Unit cost	=		
				27353.89	÷	1.0	=Rs. 27353.89
			Say Rs. 27354.00	per each			

Rate Analysis for 5.00 Nos. of Item:
Preparing, providing and fixing m.s. ring bolts 170mm long of pyramid type shape etc.

Corresponding Item No. 48 of Section -XXI of MbPT SOR 2014
 New Item No. 48 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. bolts	5.00	Nos.	103.70	518.49	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement mortar		Lumpsum		100.00	2.	Mazdoor-Male	5.000	No.	478.85	2394.25	
3.	Sundries incl. hooks, jhula etc.		Lumpsum		20.00							
TOTAL (M) =Rs.					638.49	TOTAL (L) =Rs.					2919.25	

Total of (M) + (L) =	(I)	= `	3557.74	Total = (I) + (II) =	(III)	= `	4093.72
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	355.77
Add: Allowance for PF @13.61% of (L)		= `	397.31	Grand Total	=	(III)+(IV)= `	4449.49
Add: Allowance for Employee' insurance @4.75% of (L)		= `	138.66	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	535.97	Therefore, Unit cost	=		
				4449.49	÷	5.0	=Rs. 889.90
			Say Rs.	890.00	per	each	

Rate Analysis for 1.08 Sq.M. of Item:
Providing and fixing PVC door of approved colours of 'Sintex' make or equivalent etc.

Corresponding Item No. 49 of Section -XXI of MbPT SOR 2014
 New Item No. 49 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	'Sintex' PVC door	1.08	Sq.M.	1915.26	2068.48	1.	Fixing charges		Lumpsum		180.00	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2088.48	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) =	(I)	= `	2268.48	Total = (I) + (II) =	(III)	= `	2301.53
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	226.85
Add: Allowance for PF @13.61% of (L)		= `	24.50	Grand Total	=	(III)+(IV)= `	2528.38
Add: Allowance for Employee' insurance @4.75% of (L)		= `	8.55	This is cost for	1.08	Sq.M.	
Total of allowances =	(II)	= `	33.05	Therefore, Unit cost		=	
				2528.38	÷	1.08	=Rs. 2341.09
			Say Rs. 2341.00		per	Sq.M.	

Rate Analysis for 1.58 Sq.M. of Item:
Providing and fixing 30 mm thick factory made solid panel PVC door shutter consisting of frame made out of m.s. tubes of 19 guage thickness etc.

Corresponding Item No. 50 of Section -XXI of MbPT SOR 2014
 New Item No. 50 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	m.s.tube-19X19mm	0.0376	qntl.	4022.05	151.23	1.	Supervisor	0.200	No.	540.38	108.08	
2.	PVC sheet-5mm thick	3.16	Sq.M.	877.97	2774.38	2.	Fitter I	0.500	No.	540.38	270.19	
3.	Solvent cement adhesive	0.40	Lit.	259.32	103.73	3.	Carpenter I	0.500	No.	540.38	270.19	
4.	GI screws	48.00	Nos.	5.08	244.07	4.	Mazdoor-Male	1.500	No.	478.85	718.28	
5.	Hinges	3.00	Nos.	64.41	193.22							
6.	Tower bolt	2.00	Nos.	18.64	37.29							
7.	Handles	2.00	Nos.	12.71	25.42							
8.	Aldrop	1.00	No.	152.54	152.54							
9.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					3761.88	TOTAL (L) =Rs.					1366.73	

Total of (M) + (L) =	(I)	= `	5128.61	Total = (I) + (II) =	(III)	= `	5379.55
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	512.86
Add: Allowance for PF @13.61% of (L)		= `	186.01	Grand Total	=	(III)+(IV)= `	5892.41
Add: Allowance for Employee' insurance @4.75% of (L)		= `	64.92	This is cost for 1.58 Sq.M.			
Total of allowances =	(II)	= `	250.93	Therefore, Unit cost	=		
				5892.41 ÷ 1.58	=Rs.	3729.37	
			Say Rs. 3729.00	per Sq.M.			

Rate Analysis for 1.58 Sq.M. of Item:
Providing and fixing 30 mm thick factory made both sides prelam solid panel PVC door shutter consisting of frame made out of m.s. tubes of 19 guage thickness etc.

Corresponding Item No. 51 of Section -XXI of MbPT SOR 2014
 New Item No. 51 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s.tube-19X19mm	0.0376	qntl.	4022.05	151.23	1.	Supervisor	0.200	No.	540.38	108.08	
2.	PVC sheet-5mm thick	3.16	Sq.M.	1250.00	3950.01	2.	Fitter I	0.500	No.	540.38	270.19	
3.	Solvent cement adhesive	0.40	Lit.	259.32	103.73	3.	Carpenter I	0.500	No.	540.38	270.19	
4.	GI screws	48.00	Nos.	5.08	244.07	4.	Mazdoor-Male	1.500	No.	478.85	718.28	
5.	Hinges	3.00	Nos.	64.41	193.22							
6.	Tower bolt	2.00	Nos.	18.64	37.29							
7.	Handles	2.00	Nos.	12.71	25.42							
8.	Aldrop	1.00	No.	152.54	152.54							
9.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					4937.51	TOTAL (L) =Rs.					1366.73	

Total of (M) + (L) =	(I)	= `	6304.24	Total = (I) + (II) =	(III)	= `	6555.18
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	630.42
Add: Allowance for PF @13.61% of (L)		= `	186.01	Grand Total	=	(III)+(IV)= `	7185.60
Add: Allowance for Employee' insurance @4.75% of (L)		= `	64.92	This is cost for	1.58	Sq.M.	
Total of allowances =	(II)	= `	250.93	Therefore, Unit cost	7185.60	÷	1.58 =Rs. 4547.85
			Say Rs. 4548.00			per	Sq.M.

Rate Analysis for 1.58 Sq.M. of Item:
Providing and fixing 35 mm thick factory made moulded door shutter consisting of solid core single leaf flush door of 30 mm thickness etc.

Corresponding Item No. 52 of Section -XXI of MbPT SOR 2014
 New Item No. 52 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	PVC sheet-2mm thick	3.16	Sq.M.	519.49	1641.60	1.	Supervisor	0.200	No.	540.38	108.08	
2.	PVC sheet-5mm thick	0.50	Sq.M.	877.97	438.98	2.	Fitter I	0.500	No.	540.38	270.19	
3.	Wooden flush door	1.58	Sq.M.	860.00	1358.80	3.	Carpenter I	0.500	No.	540.38	270.19	
4.	Solvent cement adhesive	0.40	Lit.	259.32	103.73	4.	Mazdoor-Male	1.000	No.	478.85	478.85	
5.	GI screws	48.00	Nos.	5.08	244.07							
6.	Hinges	3.00	Nos.	64.41	193.22							
7.	Tower bolt	2.00	Nos.	18.64	37.29							
8.	Handles	2.00	Nos.	12.71	25.42							
9.	Aldrop	1.00	No.	152.54	152.54							
10.	Adhesive	1.25	Lit.	327.12	408.90							
11.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					4684.55	TOTAL (L) =Rs.					1127.31	

Total of (M) + (L) =	(I)	= `	5811.86	Total = (I) + (II) =	(III)	= `	6018.83
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	581.19
Add: Allowance for PF @13.61% of (L)		= `	153.43	Grand Total	=	(III)+(IV)= `	6600.02
Add: Allowance for Employee' insurance @4.75% of (L)		= `	53.55	This is cost for	1.58	Sq.M.	
Total of allowances =	(II)	= `	206.97	Therefore, Unit cost	=		
				6600.02	÷	1.58	=Rs. 4177.23
			Say Rs. 4177.00	per Sq.M.			

Rate Analysis for 4.95 Mtrs. of Item:
Providing and fixing factory made PVC door frame of size 50X47 mm with a wall thickness of 5 mm etc.
(a) in plain colour

Corresponding Item No. 53a of Section -XXI of MbPT SOR 2014
New Item No. 53a of Section -XXI
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s.tube-19X19mm	0.0320	qntl.	4022.05	128.71	1.	Supervisor	0.100	No.	540.38	54.04	
2.	PVC sheet-5mm thick	1.19	Sq.M.	877.97	1044.78	2.	Fitter I	0.150	No.	540.38	81.06	
3.	Solvent cement adhesive	0.25	Lit.	259.32	64.83	3.	Carpenter I	0.250	No.	540.38	135.10	
4.	m.s. brackets	1.00	Pair	108.47	108.47	4.	Mazdoor-Male	1.150	No.	478.85	550.68	
5.	Rubber gasket	30.00	Mtrs.	13.56	406.78							
6.	GI screws	10.00	Nos.	5.08	50.85							
7.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1824.42	TOTAL (L) =Rs.					820.87	

Total of (M) + (L) =	(I)	= `	2645.29	Total = (I) + (II) =	(III)	= `	2796.00
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	264.53
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	111.72	Grand Total	=	(III)+(IV)= `	3060.53
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	38.99	This is cost for	4.95	Mtrs.	
Total of allowances =	(II)	= `	150.71	Therefore, Unit cost	=		
				3060.53	÷	4.95	=Rs. 618.29
			Say Rs. 618.00			per Mtr.	

Rate Analysis for 4.95 Mtrs. of Item:
Providing and fixing factory made PVC door frame of size 50X47 mm with a wall thickness of 5 mm etc.
(a) in pre-laminated colour

Corresponding Item No. 53b of Section -XXI of MbPT SOR 2014
 New Item No. 53b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	m.s.tube-19X19mm	0.0320	qntl.	4022.05	128.71	1.	Supervisor	0.100	No.	540.38	54.04	
2.	PVC sheet-5mm thick	0.35	Sq.M.	877.97	307.29	2.	Fitter I	0.150	No.	540.38	81.06	
3.	PVC sheet-5mm thick, pre-	0.84	Sq.M.	1250.00	1050.00	3.	Carpenter I	0.250	No.	540.38	135.10	
4.	Solvent cement adhesive	0.25	Lit.	259.32	64.83	4.	Mazdoor-Male	1.150	No.	478.85	550.68	
5.	m.s. brackets	1.00	Pair	108.47	108.47							
6.	Rubber gasket	30.00	Mtrs.	13.56	406.78							
7.	GI screws	10.00	Nos.	5.08	50.85							
8.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2136.93	TOTAL (L) =Rs.					820.87	

Total of (M) + (L) =	(I)	= `	2957.80	Total = (I) + (II) =	(III)	= `	3108.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	295.78
Add: Allowance for PF @13.61% of (L)		= `	111.72	Grand Total	=	(III)+(IV)= `	3404.29
Add: Allowance for Employee' insurance @4.75% of (L)		= `	38.99	This is cost for	4.95	Mtrs.	
Total of allowances =	(II)	= `	150.71	Therefore, Unit cost	3404.29	÷	4.95 =Rs. 687.74
			Say Rs. 688.00			per Mtr.	

Rate Analysis for 10.95 Sq.M. of Item:
Providing and fixing PVC sheet wall panelling of 5 mm thickness consisting of panels having size 1220X2440 mm or nearer etc.

Corresponding Item No. 54 of Section -XXI of MbPT SOR 2014
 New Item No. 54 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	PVC sheet-5mm thick	2.32	Sq.M.	877.97	2036.89	1.	Supervisor	0.300	No.	540.38	162.11	
2.	PVC sheet-5mm thick, pre-	10.95	Sq.M.	1250.00	13687.54	2.	Fitter I	0.200	No.	540.38	108.08	
3.	Adhesive	2.00	Lits.	327.12	654.24	3.	Carpenter I	0.350	No.	540.38	189.13	
4.	Sundries		Lumpsum		20.00	4.	Mazdoor-Male	1.200	No.	478.85	574.62	
TOTAL (M) =Rs.					16398.66	TOTAL (L) =Rs.					1033.94	

Total of (M) + (L) =	(I)	= `	17432.61	Total = (I) + (II) =	(III)	= `	17622.44
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1743.26
Add: Allowance for PF @13.61% of (L)		= `	140.72	Grand Total	=	(III)+(IV)= `	19365.70
Add: Allowance for Employee' insurance @4.75% of (L)		= `	49.11	This is cost for	10.95	Sq.M.	
Total of allowances =	(II)	= `	189.83	Therefore, Unit cost	=		
				19365.70	÷	10.95	=Rs. 1768.56
			Say Rs. 1769.00			per Sq.M.	

Rate Analysis for 30.00 Sq.M. of Item:
Removing and re-fixing AC sheets in roof including providing and fixing 'J' or 'L' hooks, nuts, washers etc.

Corresponding Item No. 55 of Section -XXI of MbPT SOR 2014
 New Item No. 55 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	'J' or 'L' hooks	100.00	Sq.M.	15.25	1525.43	1.	Fitter II	2.000	No.	525.00	1050.00	
2.	Bitumen washers	100.00	Sq.M.	1.69	169.49	2.	Mazdoor-Male	6.000	No.	478.85	2873.10	
3.	GI washers	100.00	Sq.M.	1.69	169.49		Mazdoor-Male-for	1.000	No.	478.85	478.85	
4.	White washing (Item No.1a, Section-X)	30.00	Sq.M.	17.26	517.93		scrapping					
5.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					2432.34	TOTAL (L) =Rs.					4401.95	

Total of (M) + (L) = (I) = ` 6834.29

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 808.20

Total = (I) + (II) = (III) = ` 7642.49

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 683.43

Grand Total = (III)+(IV)= ` 8325.92

This is cost for 30.00 Sq.M.

Therefore, Unit cost = 8325.92 ÷ 30.00 =Rs. 277.53

Say Rs. 278.00 per Sq.M.

Rate Analysis for 2.78 qntl. of Item:
Fabricating and fixing in position m.s. structural members etc.

Corresponding Item No. 56 of Section -XXI of MbPT SOR 2014
 New Item No. 56 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for welding plant		Lumpsum		100.00	1.	Blacksmith II	0.500	No.	525.00	262.50	
2.	Welding rods		Lumpsum		900.00	2.	Bandhani	1.000	No.	498.08	498.08	
3.	Carriage	2.78	qntl.	211.87	588.98	3.	Welder	1.000	No.	525.00	525.00	
4.	Sundries		Lumpsum		150.00	4.	Fitter I	0.500	No.	540.38	270.19	
						5.	Mazdoor-Male	4.000	No.	478.85	1915.40	
TOTAL (M) =Rs.					1738.98	TOTAL (L) =Rs.					3471.17	

Total of (M) + (L) = (I) = ` 5210.15
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = `
Add: Allowance for Employee' insurance @4.75% of (L) = `
 Total of allowances = (II) = ` 637.31

*Cost of painting: 7.000 Sq.M. 170.00 1190.00 (Item No.8, Section-X)
--

Total = (I) + (II) = (III) = ` 5847.46
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 521.02
 Add: Cost for painting*: (V)=Rs. 1190.00
 Grand Total = (III)+(IV)+(V) =Rs. 7558.48

This is cost for 2.78 qntl.
 Therefore, Unit cost =
 7558.48 ÷ 2.78 =Rs. 2718.88

Say Rs. 2719.00 per qntl.

Rate Analysis for 100.00 Nos. of Item:
Providing and fixing in position in roofing GI 'J' or 'L' bolts with nuts etc.

Corresponding Item No. 57 of Section -XXI of MbPT SOR 2014
 New Item No. 57 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	'J' or 'L' hooks	100.00	Sq.M.	15.25	1525.43	1.	Fitter II	1.000	No.	525.00	525.00	
2.	Bitumen washers	100.00	Sq.M.	1.69	169.49	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					1744.92	TOTAL (L) =Rs.					1482.70	

Total of (M) + (L) =	(I)	= `	3227.62	Total = (I) + (II) =	(III)	= `	3499.84
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	322.76
Add: Allowance for PF @13.61% of (L)		= `	201.80	Grand Total	=	(III)+(IV)= `	3822.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	70.43	This is cost for	100.00	Nos.	
Total of allowances =	(II)	= `	272.22	Therefore, Unit cost	=		
				3822.61	÷	100.0	=Rs. 38.23
			Say Rs. 38.00			per each	

Rate Analysis for 1.00 No. of Item:
Removing from roots carefully the plants/ trees upto stem dia. of 500mm including necessary excavation etc.

Corresponding Item No. 58 of Section -XXI of MbPT SOR 2014
 New Item No. 58 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tools, tackles		Lumpsum		150.00	1.	Muccadam	3.000	No.	540.38	1621.14	
2.	Sundries		Lumpsum		50.00	2.	Mazdoor-Male	9.000	No.	478.85	4309.65	
TOTAL (M) =Rs.					200.00	TOTAL (L) =Rs.					5930.79	

Total of (M) + (L) =	(I)	= `	6130.79	Total = (I) + (II) =	(III)	= `	7219.68
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	613.08
Add: Allowance for PF @13.61% of (L)		= `	807.18	Grand Total	=	(III)+(IV)= `	7832.76
Add: Allowance for Employee' insurance @4.75% of (L)		= `	281.71	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	1088.89	Therefore, Unit cost	=		
				7832.76 ÷ 1.0	=Rs.	7832.76	
			Say Rs. 7833.00	per each			

Rate Analysis for 100.00 Mtrs. of Item:
Cleaning the water tables along the road including transporting the debris etc.

Corresponding Item No. 59 of Section -XXI of MbPT SOR 2014
 New Item No. 59 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Transport of debris One lorry = 5.5 Cu.M. One trip = 5.5X`436=`2398/- (Item No.17, Section-III)	0.25	Trip	2255.00	563.75	1.	Mate	1.000	No.	478.85	478.85	
2.	Sundries		Lumpsum		50.00	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
TOTAL (M) =Rs.					613.75	TOTAL (L) =Rs.					2394.25	

Total of (M) + (L) =	(I)	= `	3008.00	Total = (I) + (II) =	(III)	= `	3447.58
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	300.80
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	325.86	Grand Total	=	(III)+(IV)= `	3748.38
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	113.73	This is cost for	100.00	Mtrs.	
Total of allowances =	(II)	= `	439.58	Therefore, Unit cost	=		
				3748.38	÷	100.0	=Rs. 37.48
			Say Rs. 37.00			per Mtr.	

Rate Analysis for 1.00 day of Item:
Providing motor lorry of 3 to 5 ton capacity etc.

Corresponding Item No. 60 of Section -XXI of MbPT SOR 2014
 New Item No. 60 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for motor lorry-3 to 5 Ton capacity including Driver, cleaner, diesel & 3 mazdoors	1.00	day	5932.22	5932.22							
2.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					5982.22	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	5982.22	Total = (I) + (II) =	(III)	= `	5982.22
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	598.22
<u>Add:</u> Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	6580.44
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	day	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				6580.44	÷	1.0	=Rs. 6580.44
				Say Rs. 6580.00	per	day	

Rate Analysis for 1.00 day of Item:
Providing Tempo with cover body of two ton capacity etc.

Corresponding Item No. 61 of Section -XXI of MbPT SOR 2014
 New Item No. 61 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for Tempo-2 Ton capacity including Driver, cleaner, diesel & 3 mazdoors	1.00	day	4661.03	4661.03							
2.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					4691.03	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	4691.03	Total = (I) + (II) =	(III)	= `	4691.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	469.10
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	5160.13
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	day	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				5160.13	÷	1.0	=Rs. 5160.13
				Say Rs. 5160.00	per	day	

Rate Analysis for 0.50 Sq.M. of Item:
Providing protruded band (vata) 200mm wide at the junction of GI sheet and vertical face of building etc.

Corresponding Item No. 62 of Section -XXI of MbPT SOR 2014
 New Item No. 62 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Hack-aid plast	0.065	Lit.	199.15	12.94	1.	Mason I	0.250	No.	540.38	135.10	
2.	Cement	0.003	MT	5762.73	17.29	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Sand	0.006	Cu.M.	2994.92	17.97							
4.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					78.20	TOTAL (L) =Rs.					374.52	

Total of (M) + (L) =	(I)	= `	452.72	Total = (I) + (II) =	(III)	= `	521.48
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	45.27
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	50.97	Grand Total	=	(III)+(IV)= `	566.76
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	17.79	This is cost for	0.50	Sq.M.	
Total of allowances =	(II)	= `	68.76	Therefore, Unit cost	=		
			Say Rs.	566.76	÷	0.5	=Rs. 1133.51
			1134.00		per	Sq.M.	
Since band width is 200 mm = 0.20 Mtrs.,							
Therefore, cost per Mtr. of band 200 mm =			1134.00	X	0.20	=	226.80
			Say Rs. 227.00	per	Mtr.		

Rate Analysis for 10.00 Sq.M. of Item:
Providing & laying special waterproofing layer with 25 to 35mm thick rough shahabad stones (app.450X600mm) set in CM (1:5) 25 to 40 mm thk with approved waterproofing compound etc.

Corresponding Item No. 63a of Section -XXI of MbPT SOR 2014
 New Item No. 63a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Shahabad Stone	11.000	Sq.M.	350.85	3859.33	1.	Mason I	1.000	No.	540.38	540.38	
2.	Cement	0.097	MT	5762.73	558.98	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Sand	0.342	Cu.M.	2994.92	1024.26							
4.	Waterproofing compound	2.000	Kgs.	46.61	93.22							
5.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					5565.80	TOTAL (L) =Rs.					1498.08	

Total of (M) + (L) = (I) = ` 7063.88
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 203.89
Add: Allowance for Employee' insurance @4.75% of (L) = ` 71.16
 Total of allowances = (II) = ` 275.05

*Cost of IPS (1:2:3):	10.000	Sq.M.	419.00	4190.00
(Item No.1, Section-VIII)				

Total = (I) + (II) = (III) = ` 7338.93
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 706.39
 Add: Cost for IPS (1:2:3)*: (V)=Rs. 4190.00
 Grand Total = (III)+(IV)+(V) =Rs. 12235.32

This is cost for 10.00 Sq.M.
 Therefore, Unit cost =
 12235.32 ÷ 10.00 =Rs. 1223.53

Say Rs. 1224.00 per Sq.M.

Rate Analysis for 10.0 Sq.M. of Item:
Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent etc.

Corresponding Item No. 63b of Section -XXI of MbPT SOR 2014
 New Item No. 63b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	2.000	pouch	42.37	84.75							
TOTAL (M) =Rs.					84.75	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 84.75

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Total = (I) + (II) = (III) = ` 84.75

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 8.47

Grand Total = (III)+(IV)= ` 93.22

This is cost for 10.0 Sq.M.

Therefore, Unit cost =

$$\frac{93.22}{10.0} = \text{Rs. } 9.32$$

Say Rs. 9.00 per Sq.M.

Rate Analysis for 1.00 No. of Item:
Providing and fixing stainless steel anchor/ split bolts etc.
(a) 25 mm dia.

Corresponding Item No. 64a of Section -XXI of MbPT SOR 2014
 New Item No. 64a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Drilling holes-30-32mm dia	1.00	No.	347.46	347.46	1.	Fitter I	2.000	No.	540.38	1080.76	
2.	Anchor bolt-25mm dia.	1.00	No.	3450.86	3450.86	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	'D' Shackle-20/25mm dia.	1.00	No.	661.02	661.02							
4.	Working platform, tools, tackles etc.		Lumpsum		150.00							
5.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					4689.33	TOTAL (L) =Rs.					2996.16	

Total of (M) + (L) =	(I)	= `	7685.49	Total = (I) + (II) =	(III)	= `	8235.59
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	768.55
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	407.78	Grand Total	=	(III)+(IV)= `	9004.14
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	142.32	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	550.09	Therefore, Unit cost	=		
				9004.14	÷	1.0	=Rs. 9004.14
			Say Rs. 9004.00			per each	

Rate Analysis for 1.00 No. of Item:
Providing and fixing stainless steel anchor/ split bolts etc.
(b) 50 mm dia.

Corresponding Item No. 64b of Section -XXI of MbPT SOR 2014
 New Item No. 64b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Drilling holes-63-65mm dia	1.00	No.	694.92	694.92	1.	Fitter I	2.000	No.	540.38	1080.76	
2.	Anchor bolt-50mm dia.	1.00	No.	8473.75	8473.75	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	'D' Shackle-32/35mm dia.	1.00	No.	974.58	974.58							
4.	Working platform, tools, tackles etc.		Lumpsum		150.00							
5.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					10373.25	TOTAL (L) =Rs.					2996.16	

Total of (M) + (L) =	(I)	= `	13369.41	Total = (I) + (II) =	(III)	= `	13919.50
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	1336.94
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	407.78	Grand Total	=	(III)+(IV)= `	15256.44
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	142.32	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	550.09	Therefore, Unit cost	=		
				15256.44	÷	1.0	=Rs. 15256.44
			Say Rs. 15256.00	per each			

Rate Analysis for 1.00 No. of Item:
Providing and fixing stainless steel anchor/ split bolts etc.
(c) 100 mm dia.

Corresponding Item No. 64c of Section -XXI of MbPT SOR 2014
 New Item No. 64c of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Drilling holes-118-120mm	1.00	No.	2966.11	2966.11	1.	Fitter I	2.000	No.	540.38	1080.76	
2.	Anchor bolt-100mm dia.	1.00	No.	17154.29	17154.29	2.	Mazdoor-Male	4.000	No.	478.85	1915.40	
3.	'D' Shackle-50/56mm dia.	1.00	No.	3686.45	3686.45							
4.	Working platform, tools, tackles etc.		Lumpsum		150.00							
5.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					24036.85	TOTAL (L) =Rs.					2996.16	

Total of (M) + (L) =	(I)	= `	27033.01	Total = (I) + (II) =	(III)	= `	27583.10
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	2703.30
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	407.78	Grand Total	=	(III)+(IV)= `	30286.40
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	142.32	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	550.09	Therefore, Unit cost	=		
				30286.40	÷	1.0	=Rs. 30286.40
			Say Rs. 30286.00	per each			

Rate Analysis for 1.00 spot of Item:
Removing all plantation and vegetation, other growth along with roots including application of necessary chemical and herbicide etc.

Corresponding Item No. 65 of Section -XXI of MbPT SOR 2014
 New Item No. 65 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement, sand etc.		Lumpsum		5.00	1.	Muccadam	0.0625	No.	540.38	33.77	
2.	Chemical/ herbicide etc.		Lumpsum		5.00	2.	Mason III	0.1250	No.	498.08	62.26	
3.	Scaffolding/ jhula etc.		Lumpsum		5.00	3.	Mazdoor-Male	0.1250	No.	478.85	59.86	
4.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					155.89	

Total of (M) + (L) =	(I)	= `	175.89	Total = (I) + (II) =	(III)	= `	204.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	17.59
Add: Allowance for PF @13.61% of (L)		= `	21.22	Grand Total	=	(III)+(IV)= `	222.10
Add: Allowance for Employee' insurance @4.75% of (L)		= `	7.40	This is cost for	1.00	spot	
Total of allowances =	(II)	= `	28.62	Therefore, Unit cost		=	
				222.10	÷	1.0	=Rs. 222.10
			Say Rs. 222.00		per spot		

Rate Analysis for 20.00 Mtrs. of Item:
Providing and fixing concertina coil fencing 610mm dia. with 26/27 SWG barbed concertina strips 19mm width and turn circles of 80 Nos. coil in 8 to 9Mtrs. length with 200 Nos. of stainless steel clips etc.

Corresponding Item No. 66 of Section -XXI of MbPT SOR 2014
 New Item No. 66 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	GI Concertina coil-610mm	20.00	Mtrs.	150.00	3000.01	1.	Fitter I	1.00	No.	540.38	540.38	
2.	GI 'U' clips		Lumpsum		300.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
3.	Sundries		Lumpsum		30.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					3330.01						1019.23	

Total of (M) + (L) =	(I)	= `	4349.24	Total = (I) + (II) =	(III)	= `	4536.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	434.92
Add: Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	4971.29
Add: Allowance for Employee' insurance @4.75% of (L)		= `	48.41	This is cost for	20.00	Mtrs.	
Total of allowances =	(II)	= `	187.13	Therefore, Unit cost	=		
				4971.29 ÷ 20.0	=Rs.	248.56	
			Say Rs. 249.00	per Mtr.			

Rate Analysis for 405.00 Cu.M. of Item:
Lifting the debris and other unserviceable material using JCB and shift the same out side MbPT estate or as directed using Dumper and levelling the area etc.

Corresponding Item No. 67 of Section -XXI of MbPT SOR 2014
 New Item No. 67 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges-JCB (0.20 day each for 5 days)	1.00	day	6101.71	6101.71							
2.	Hire charges-Dumper	5.00	days	5932.22	29661.10							
3.	Sundries		Lumpsum		30.00							

TOTAL (M) =Rs. 35792.81

TOTAL (L) =Rs.

Total of (M) + (L) = (I) = ` 35792.81

Total = (I) + (II) = (III) = ` 35792.81

Add: Allowance for Water charges @1% of (I) = `

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 3579.28

Add: Allowance for PF @13.61% of (L) = `

Grand Total = (III)+(IV)= ` 39372.09

Add: Allowance for Employee' insurance @4.75% of (L) = `

This is cost for 405.00 Cu.M.

Therefore, Unit cost = 39372.09 ÷ 405.0 =Rs. 97.22

Total of allowances = (II) = `

Say Rs. 97.00 per Cu.M.

Rate Analysis for 1.00 day of Item:
Cleaning every day the toilet blocks in 'Port House', 'Thackersey House', 'VijayDeep', 'Imperial Chambers' etc.

Corresponding Item No. 68 of Section -XXI of MbPT SOR 2014
 New Item No. 68 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	White phenyl	8.00	Lits.	93.22	745.76	1.	Safaiwala	4.00	No.	478.85	1915.40	
2.	Naphthalene balls	1.00	Kg.	296.61	296.61							
3.	Toilet cleaning powder	1.00	Kg.	84.75	84.75							
4.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					1157.12	TOTAL (L) =Rs.					1915.40	

Total of (M) + (L) =	(I)	= `	3072.52	Total = (I) + (II) =	(III)	= `	3424.19
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	307.25
Add: Allowance for PF @13.61% of (L)		= `	260.69	Grand Total	=	(III)+(IV)= `	3731.44
Add: Allowance for Employee' insurance @4.75% of (L)		= `	90.98	This is cost for 1.00 day			
Total of allowances =	(II)	= `	351.67	Therefore, Unit cost	=		
				3731.44 ÷ 1.0	=Rs.	3731.44	
			Say Rs. 3731.00	per day			

Rate Analysis for 1.00 Occasion of Item:
Staircase cleaning of 'Port House', 'Thackersay House', 'Vijaydeep', 'Imperial Chamber', 'Railway Manager's office building' etc.

Corresponding Item No. 69 of Section -XXI of MbPT SOR 2014
 New Item No. 69 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tools, tackles		Lumpsum		80.00	1.	Safaiwala	2.00	No.	478.85	957.70	
2.	Sundries		Lumpsum		8.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					88.00						957.70	

Total of (M) + (L) = (I) = ` 1045.70

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 130.34

Add: Allowance for Employee' insurance @4.75% of (L) = ` 45.49

Total of allowances = (II) = ` 175.83

Total = (I) + (II) = (III) = ` 1221.53

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 104.57

Grand Total = (III)+(IV)= ` 1326.10

This is cost for 1.00 Occasion

Therefore, Unit cost =
 1326.10 ÷ 1.0 =Rs. 1326.10

Say Rs. 1326.00 per Occasion

Rate Analysis for 1.00 No. of Item:
Removing existing bollards including removal of nuts and washers of existing bollards foundation bolts using chemicals, kerosene etc. and lifting bollards with help of crane and shifting the bollard to yard etc.

Corresponding Item No. 70 of Section -XXI of MbPT SOR 2014
 New Item No. 70 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for crane	0.500	Day	5508.49	2754.25	1.	Muccadam	1.00	No.	540.38	540.38	
2.	Tools, tackles		Lumpsum		400.00	2.	Fitter I	1.00	No.	540.38	540.38	
3.	Sundries		Lumpsum		80.00	3.	Mazdoor-Male	4.00	No.	478.85	1915.40	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					3234.25						2996.16	

Total of (M) + (L) =	(I)	= `	6230.41	Total = (I) + (II) =	(III)	= `	6780.50
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	623.04
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	407.78	Grand Total	=	(III)+(IV)= `	7403.54
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	142.32	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	550.09	Therefore, Unit cost	=		
				7403.54	÷	1.0	=Rs. 7403.54
			Say Rs. 7404.00	per each			

Rate Analysis for 1.00 No. of Item:
Fixing of new/ old bollard in position with the help of crane including transportation of bollard from stores to site etc.

Corresponding Item No. 71 of Section -XXI of MbPT SOR 2014
 New Item No. 71 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for crane	1.000	Day	5508.49	5508.49	1.	Muccadam	1.00	No.	540.38	540.38	
2.	Hire charges for lorry	1.000	Day	5932.22	5932.22	2.	Fitter I	2.00	No.	540.38	1080.76	
3.	Tools, tackles		Lumpsum		900.00	3.	Welder	2.00	No.	525.00	1050.00	
4.	Sundries		Lumpsum		300.00	4.	Mazdoor-Male	10.00	No.	478.85	4788.50	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					12640.71						7459.64	

Total of (M) + (L) =	(I)	= `	20100.35	Total = (I) + (II) =	(III)	= `	21469.94
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2010.04
Add: Allowance for PF @13.61% of (L)		= `	1015.26	Grand Total	=	(III)+(IV)= `	23479.97
Add: Allowance for Employee' insurance @4.75% of (L)		= `	354.33	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	1369.59	Therefore, Unit cost	=		
				23479.97	÷	1.0	=Rs. 23479.97
			Say Rs. 23480.00			per each	

Rate Analysis for 1.00 No. of Item:
Transporting rubber fender from store and fixing the same on wharf wall split bolt 'D' shackle, safety chain etc.

Corresponding Item No. 72 of Section -XXI of MbPT SOR 2014
 New Item No. 72 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Drilling holes-118-120mm	4.000	Nos.	2966.11	11864.44	1.	Muccadam	5.00	No.	540.38	2701.90	
2.	Anchor bolt-100mm dia.	4.000	Nos.	17154.29	68617.14	2.	Fitter I	10.00	No.	540.38	5403.80	
3.	'D' shackle-50/56mm dia.	4.000	Nos.	3686.45	14745.80	3.	Mazdoor-Male	20.00	No.	478.85	9577.00	
4.	Safety chain-32mm dia.	6.000	Mtrs.	4868.66	29211.95							
5.	'D' shackle-32/35mm dia.	2.000	Nos.	974.58	1949.16							
6.	Hire charges for crane	2.000	Days	5508.49	11016.98							
7.	Gas cutting set, cylinder, welding machine, working platform, tools	1.000	Day	5084.76	5084.76							
8.	Sundries		Lumpsum		300.00							
TOTAL (M) =Rs.					142790.23	TOTAL (L) =Rs.					17682.70	

Total of (M) + (L) = (I) = ` 160472.93

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 3246.54

Say Rs. 179767.00 per each

Total = (I) + (II) = (III) = ` 163719.47

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 16047.29

Grand Total = (III)+(IV)= ` 179766.77

This is cost for 1.00 No.

Therefore, Unit cost =
 179766.77 ÷ 1.0 =Rs. 179766.77

Rate Analysis for 1.00 No. of Item:
Fixing rubber fender including anchor bolts, chain, etc.

Corresponding Item No. 73 of Section -XXI of MbPT SOR 2014
 New Item No. 73 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Drilling holes-118-120mm	2.000	Nos.	2966.11	5932.22	1.	Muccadam	0.50	No.	540.38	270.19	
2.	Anchor bolt-100mm dia.	2.000	Nos.	17154.29	34308.57	2.	Fitter I	1.00	No.	540.38	540.38	
3.	'D' shackle-50/56mm dia.	4.000	Nos.	3686.45	14745.80	3.	Mazdoor-Male	4.00	No.	478.85	1915.40	
4.	Chain-50mm dia.	4.000	Mtrs.	11186.47	44745.89							
5.	m.s. rod-75mm dia.	1.000	Nos.	8262.74	8262.74							
6.	Hire charges for crane	0.500	Days	5508.49	2754.25							
7.	Gas cutting set, cylinder, welding machine, working platform, tools	0.150	Day	5084.76	762.71							
8.	Sundries		Lumpsum		300.00							
TOTAL (M) =Rs.					111812.18	TOTAL (L) =Rs.					2725.97	

Total of (M) + (L) =	(I)	= `	114538.15	Total = (I) + (II) =	(III)	= `	115038.63
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	11453.81
Add: Allowance for PF @13.61% of (L)		= `	371.00	Grand Total	=	(III)+(IV)= `	126492.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	129.48	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	500.49	Therefore, Unit cost		=	
				126492.45	÷	1.0	=Rs. 126492.45
			Say Rs. 126492.00	per each			

Rate Analysis for 1.00 No. of Item:
Fixing in position 460mm outer dia., 230mm inner dia. rubber fender with chain 'D' shackle etc.
(a) 3.30 Mtrs. Long

Corresponding Item No. 74a of Section -XXI of MbPT SOR 2014
 New Item No. 74a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Drilling holes-63-65mm dia	2.000	Nos.	694.92	1389.83	1.	Muccadam	0.50	No.	540.38	270.19	
2.	Anchor bolt-50mm dia.	2.000	Nos.	8473.75	16947.51	2.	Fitter I	1.00	No.	540.38	540.38	
3.	'D' shackle-32/35mm dia.	2.000	Nos.	974.58	1949.16	3.	Mazdoor-Male	3.00	No.	478.85	1436.55	
4.	Chain-32mm dia.	4.000	Mtrs.	4868.66	19474.63							
5.	Transport fender	0.200	Day	6355.95	1271.19							
6.	Hire charges for crane	0.250	Days	5508.49	1377.12							
7.	Gas cutting set, cylinder, welding machine, working platform, tools	0.150	Day	5084.76	762.71							
8.	Sundries		Lumpsum		300.00							
TOTAL (M) =Rs.					43472.15	TOTAL (L) =Rs.					2247.12	

Total of (M) + (L) =	(I)	= `	45719.27	Total = (I) + (II) =	(III)	= `	46131.85
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4571.93
Add: Allowance for PF @13.61% of (L)		= `	305.83	Grand Total		=	(III)+(IV)= ` 50703.77
Add: Allowance for Employee' insurance @4.75% of (L)		= `	106.74	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	412.57	Therefore, Unit cost		=	
				50703.77	÷	1.0	=Rs. 50703.77
			Say Rs. 50704.00			per each	

Rate Analysis for 1.00 No. of Item:
Fixing in position 460mm outer dia., 230mm inner dia. rubber fender with chain 'D' shackle etc.
(b) 2.00 Mtrs. Long

Corresponding Item No. 74b of Section -XXI of MbPT SOR 2014
 New Item No. 74b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cost for fixing 3.30 Mtrs. long fender (Item No.74a above)	1.000	No.	46131.85	46131.85							
2.	Cost for fixing 1.00 Mtrs. long fender	46131.85	÷	3.30	13979.35							
3.	Cost for fixing 2.00 Mtrs. long fender	13979.35	X	2.00	27958.69							
TOTAL (M) =Rs.					27958.69	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	27958.69	Total = (I) + (II) =	(III)	= `	27958.69
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	2795.87
<u>Add</u> : Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	30754.56
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	No.	
Total of allowances =	(II)	= `		Therefore, Unit cost	30754.56	÷	1.0 =Rs. 30754.56
				Say Rs. 30755.00	per	each	

Rate Analysis for 10.00 Nos. of Item:
Transporting and fixing tubular rubber fender 300 X150X3000/ 1700mm or any available size from existing location using existing chain, bolts etc. with help of crane, forklift, working platform, scaffolding etc.

Corresponding Item No. 75 of Section -XXI of MbPT SOR 2014
 New Item No. 75 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for crane	1.000	Day	5508.49	5508.49	1.	Muccadam	0.50	No.	540.38	270.19	
2.	Hire charges for lorry	1.000	Day	5932.22	5932.22	2.	Fitter I	1.00	No.	540.38	540.38	
3.	Tools, tackles		Lumpsum		700.00	3.	Mazdoor-Male	4.00	No.	478.85	1915.40	
4.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					12220.71	TOTAL (L) =Rs.					2725.97	

Total of (M) + (L) =	(I)	= `	14946.68	Total = (I) + (II) =	(III)	= `	15447.17
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1494.67
Add: Allowance for PF @13.61% of (L)		= `	371.00	Grand Total	=	(III)+(IV)= `	16941.84
Add: Allowance for Employee' insurance @4.75% of (L)		= `	129.48	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	500.49	Therefore, Unit cost	=		
				16941.84	÷	10.0	=Rs. 1694.18
			Say Rs. 1694.00	per each			

Rate Analysis for 1000.00 Sq.M. of Item:
Removal of rank vegetation including all types of shrubs/ grass etc.
(a) 1st occasion

Corresponding Item No. 76a of Section -XXI of MbPT SOR 2014
 New Item No. 76a of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Tools, tackles		Lumpsum		50.00	1.	Muccadam	0.50	No.	540.38	270.19	
2.	Sundries		Lumpsum		8.00	2.	Mazdoor-Female	8.00	No.	478.85	3830.80	
TOTAL (M) =Rs.					58.00	TOTAL (L) =Rs.					4100.99	

Total of (M) + (L) =	(I)	= `	4158.99	Total = (I) + (II) =	(III)	= `	4911.93
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	415.90
Add: Allowance for PF @13.61% of (L)		= `	558.14	Grand Total	=	(III)+(IV)= `	5327.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	194.80	This is cost for	1000.0	Sq.M.	
Total of allowances =	(II)	= `	752.94	Therefore, Unit cost	=		
				5327.83	÷	1000	=Rs. 5.33
			Say Rs. 5.33		per	Sq.M.	

Rate Analysis for 1.00 Sq.M. of Item:
Removal of rank vegetation including all types of shrubs/ grass etc.
(b) 2nd occasion

Corresponding Item No. 76b of Section -XXI of MbPT SOR 2014
 New Item No. 76b of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cost per Sq.M. for 1st occasion (Item No.76a above)	1.000	Sq.M.	5.33	5.33							
2.	Cost per Sq.M. for 2nd occasion (85% cost of 1st occasion)	5.33	X	0.85	4.53							
TOTAL (M) =Rs.					4.53	TOTAL (L) =Rs.						

Total of (M) + (L) = (I) = ` 4.53

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = `

Add: Allowance for Employee' insurance @4.75% of (L) = `

Total of allowances = (II) = `

Say Rs. 4.98 per Sq.M.

Total = (I) + (II) = (III) = ` 4.53

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 0.45

Grand Total = (III)+(IV)= ` 4.98

This is cost for 1.00 Sq.M.

Therefore, Unit cost =
 4.98 ÷ 1.00 =Rs. 4.98

Rate Analysis for 1.00 Sq.M. of Item:
Removal of rank vegetation including all types of shrubs/ grass etc.
(c) 3rd occasion

Corresponding Item No. 76c of Section -XXI of MbPT SOR 2014
 New Item No. 76c of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cost per Sq.M. for 2nd occasion (Item No.76b above)	1.000	Sq.M.	4.98	4.98							
2.	Cost per Sq.M. for 3rd occasion (85% cost of 2nd occasion)	4.98	X	0.85	4.23							
TOTAL (M) =Rs.					4.23	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	4.23	Total = (I) + (II) =	(III)	= `	4.23
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	0.42
<u>Add</u> : Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	4.66
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	4.66	÷	1.00 =Rs. 4.66
			Say Rs. 4.66			per Sq.M.	

Rate Analysis for 1.00 Sq.M. of Item:
Credit for purchase of vegetation cut under item No.72a, b & c above

Corresponding Item No. 77 of Section -XXI of MbPT SOR 2014
 New Item No. 77 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Credit purchase of vegetation (Market Enquiry)	1.000	Sq.M.	0.100	0.10							
TOTAL (M) =Rs.					0.10	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	0.10	Total = (I) + (II) =	(III)	= `	0.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	0.10
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.00	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	0.10	÷	1.00 =Rs. 0.10
				Say Rs. 0.10 per Sq.M.			

Rate Analysis for 1.00 No. of Item:
Providing and fixing in position RCC pre-cast posts of size 0.105X0.095X2.15Mtrs. at a spacing of 2.5Mtrs. c/c including 4 main bars m.s. reinforcement of 6mm dia. and 6mm dia. stirrups @500 c/c etc.

Corresponding Item No. 78 of Section -XXI of MbPT SOR 2014
 New Item No. 78 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	RCC Post-0.105X0.095X2.15	1.000	No	299.57	299.57	1.	Mazdoor-Male	0.04	No.	478.85	19.15	
2.	Fasteners		Lumpsum		30.00							
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					337.57	TOTAL (L) =Rs.					19.15	

Total of (M) + (L) =	(I)	= `	356.73	Total = (I) + (II) =	(III)	= `	360.24
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	35.67
Add: Allowance for PF @13.61% of (L)		= `	2.61	Grand Total	=	(III)+(IV)= `	395.92
Add: Allowance for Employee' insurance @4.75% of (L)		= `	0.91	This is cost for	1.00	No.	
Total of allowances =	(II)	= `	3.52	Therefore, Unit cost		=	
				395.92	÷	1.0	=Rs. 395.92
			Say Rs. 396.00			per each	

Rate Analysis for 2.00 Sq.M. of Item:
Prepare the surface and applying two coats of lump free consistent slurry of polyalk W.P. and cement in proportion of (1:1.25) by weight etc.

Corresponding Item No. 79 of Section -XXI of MbPT SOR 2014
 New Item No. 79 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Polyalk WP	1.000	Kg.	245.76	245.76	1.	Mason I	0.25	No.	540.38	135.10	
2.	Cement	0.0025	Kg.	5762.73	14.41	2.	Mazdoor-Male	0.25	No.	478.85	119.71	
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					268.17	TOTAL (L) =Rs.					254.81	

Total of (M) + (L) =	(I)	= `	522.98	Total = (I) + (II) =	(III)	= `	569.76
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	52.30
Add: Allowance for PF @13.61% of (L)		= `	34.68	Grand Total	=	(III)+(IV)= `	622.06
Add: Allowance for Employee' insurance @4.75% of (L)		= `	12.10	This is cost for	2.00	Sq.M.	
Total of allowances =	(II)	= `	46.78	Therefore, Unit cost	622.06	÷	2.0 =Rs. 311.03
			Say Rs. 311.00			per Sq.M.	

Rate Analysis for 25.00 Mtrs. of Item:
Removing and re-fixing fencing including removing chain link fencing, stacking the same etc.

Corresponding Item No. 80 of Section -XXI of MbPT SOR 2014
 New Item No. 80 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for gas cutting set, cylinder, tools	1.000	Day	3389.84	3389.84	1.	Welder	10.00	No.	525.00	5250.00	
2.	Sundries		Lumpsum		80.00	2.	Mazdoor-Male	20.00	No.	478.85	9577.00	
TOTAL (M) =Rs.					3469.84	TOTAL (L) =Rs.					14827.00	

Total of (M) + (L) =	(I)	= `	18296.84	Total = (I) + (II) =	(III)	= `	21019.08
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1829.68
Add: Allowance for PF @13.61% of (L)		= `	2017.95	Grand Total	=	(III)+(IV)= `	22848.76
Add: Allowance for Employee' insurance @4.75% of (L)		= `	704.28	This is cost for	25.00	Mtrs.	
Total of allowances =	(II)	= `	2722.24	Therefore, Unit cost	=		
				22848.76	÷	25.0	=Rs. 913.95
			Say Rs. 914.00			per Mtr.	

Rate Analysis for 1.00 No. of Item:
Stopping leakage of bath or w.c. using white M-seal for filling of the joints of tiles, traps etc.

Corresponding Item No. 81 of Section -XXI of MbPT SOR 2014
 New Item No. 81 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	M-seal	0.500	Kg.	275.42	137.71	1.	Mason II	0.50	No.	525.00	262.50	
2.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					145.71	TOTAL (L) =Rs.					262.50	

Total of (M) + (L) =	(I)	= `	408.21	Total = (I) + (II) =	(III)	= `	456.41
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	40.82
Add: Allowance for PF @13.61% of (L)		= `	35.73	Grand Total	=	(III)+(IV)= `	497.23
Add: Allowance for Employee' insurance @4.75% of (L)		= `	12.47	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	48.20	Therefore, Unit cost	=		
				497.23 ÷ 1.0	=Rs.	497.23	
			Say Rs. 497.00	per each			

Rate Analysis for 10.00 Mtrs. of Item:
Relaying of crane track in proper alignment and level etc.

Corresponding Item No. 82 of Section -XXI of MbPT SOR 2014
 New Item No. 82 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for gas cutting set, tools & plants, bitumen, etc	0.300	Day	3389.84	1016.95	1.	Fitter I	2.00	No.	540.38	1080.76	
						2.	Welder	1.00	No.	525.00	525.00	
2.	Sundries		Lumpsum		8.00	3.	Mazdooe-Male	10.00	No.	478.85	4788.50	
TOTAL (M) =Rs.					1024.95	TOTAL (L) =Rs.					6394.26	

Total of (M) + (L) =	(I)	= `	7419.21	Total = (I) + (II) =	(III)	= `	8593.20
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	741.92
Add: Allowance for PF @13.61% of (L)		= `	870.26	Grand Total	=	(III)+(IV)= `	9335.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	303.73	This is cost for	10.00	Mtrs.	
Total of allowances =	(II)	= `	1173.99	Therefore, Unit cost	=		
				9335.12 ÷ 10.0	=Rs.	933.51	
			Say Rs. 934.00	per Mtr.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing acoustic tiles of approved brand of 600 X 600 mm including etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 83 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Acoustic tiles incl. 5% wastage Rate per tile of 0.6X0.6 = 0.36 Sq.M. converted to 1.0 Sq.M. rate	10.500	Sq.M.	694.45	7291.69	1.	Carpenter-I	0.50	No.	540.38	270.19	
2.	Tools, tackles & sundries			Lumpsum	50.00	2.	Mazdooe-Male	0.50	No.	478.85	239.43	
TOTAL (M) =Rs.					7341.69	TOTAL (L) =Rs.					509.62	

Total of (M) + (L) =	(I)	= `	7851.30	Total = (I) + (II) =	(III)	= `	7944.87
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	785.13
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	69.36	Grand Total	=	(III)+(IV)= `	8730.00
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	24.21	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	93.57	Therefore, Unit cost	=		
				8730.00	÷	10.0	=Rs. 873.00
			Say Rs. 873.00			per Sq.M.	

Rate Analysis for 5.00 Sq.M. of Item:
Providing and fixing 6 mm thick clear and transparent acrylic sheet etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 84 (a) of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Transparent Acrylic sheet 6 mm thick	5.000	Sq.M.	889.83	4449.17	1.	Carpenter-I	0.50	No.	540.38	270.19	
2.	Screws, nails, tools, tackles & sundries		Lumpsum		100.00	2.	Mazdooe-Male	0.50	No.	478.85	239.43	
TOTAL (M) =Rs.					4549.17	TOTAL (L) =Rs.					509.62	

Total of (M) + (L) =	(I)	= `	5058.78	Total = (I) + (II) =	(III)	= `	5152.35
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	505.88
Add: Allowance for PF @13.61% of (L)		= `	69.36	Grand Total	=	(III)+(IV)= `	5658.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	24.21	This is cost for	5.00	Sq.M.	
Total of allowances =	(II)	= `	93.57	Therefore, Unit cost	=		
				5658.22 ÷	5.0	=Rs.	1131.64
			Say Rs. 1132.00		per	Sq.M.	

Rate Analysis for 5.00 Sq.M. of Item:
Providing and fixing 4 mm thick clear and transparent acrylic sheet etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 84 (b) of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Transparent Acrylic sheet 4 mm thick	5.000	Sq.M.	805.09	4025.44	1.	Carpenter-I	0.50	No.	540.38	270.19	
2.	Screws, nails, tools, tackles & sundries		Lumpsum		100.00	2.	Mazdooe-Male	0.50	No.	478.85	239.43	
TOTAL (M) =Rs.					4125.44	TOTAL (L) =Rs.					509.62	

Total of (M) + (L) =	(I)	= `	4635.05	Total = (I) + (II) =	(III)	= `	4728.62
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	463.51
Add: Allowance for PF @13.61% of (L)		= `	69.36	Grand Total	=	(III)+(IV)= `	5192.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	24.21	This is cost for	5.00	Sq.M.	
Total of allowances =	(II)	= `	93.57	Therefore, Unit cost	=		
				5192.12 ÷ 5.0	=Rs.	1038.42	
			Say Rs. 1038.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Removing carefully the existing false ceiling including POP sheets/ acoustic tiles, supporting frames etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 85 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
	Tools, tackles and sundries		Lumpsum		30.00	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
TOTAL (M) =Rs.					30.00	TOTAL (L) =Rs.					957.70	

Total of (M) + (L) =	(I)	= `	987.70	Total = (I) + (II) =	(III)	= `	1163.53
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	98.77
Add: Allowance for PF @13.61% of (L)		= `	130.34	Grand Total	=	(III)+(IV)= `	1262.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	45.49	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	175.83	Therefore, Unit cost	1262.30	÷	10.0 =Rs. 126.23
			Say Rs. 126.00			per Sq.M.	

Rate Analysis for 5.40 Sq.M. of Item:
Providing and fixing Beclite of 5-6 mm thick of approved design, shade and manufacture etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 86 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Becklite 5-6 mm thick incl. 5% wastage	5.670	Sq.M.	413.56	2344.89	1.	Carpenter-I	1.00	No.	540.38	540.38	
2.	Steel hinges - 100 mm	3.000	Nos.	33.90	101.70	2.	Mazdooe-Male	1.00	No.	478.85	478.85	
3.	Tools, tackles sundries					Lumpsum	100.00					
TOTAL (M) =Rs.					2546.58	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) =	(I)	= `	3565.81	Total = (I) + (II) =	(III)	= `	3752.94
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	356.58
Add: Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	4109.53
Add: Allowance for Employee' insurance @4.75% of (L)		= `	48.41	This is cost for	5.40	Sq.M.	
Total of allowances =	(II)	= `	187.13	Therefore, Unit cost	=		
				4109.53	÷	5.4	=Rs. 761.02
			Say Rs. 761.00			per Sq.M.	

Rate Analysis for 2.00 No. of Item:
Lifting and placing the existing Porta Cabins on platform properly with forklift/ crane etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 87 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for crane	1.000	day	5508.49	5508.49	1.	Mazdoor-Male	4.00	No.	478.85	1915.40	
2.	Wire rope etc.		Lumpsum		100.00							
3.	Tools, tackles sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					5658.49	TOTAL (L) =Rs.					1915.40	

Total of (M) + (L) =	(I)	= `	7573.89	Total = (I) + (II) =	(III)	= `	7925.56
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	757.39
Add: Allowance for PF @13.61% of (L)		= `	260.69	Grand Total	=	(III)+(IV)= `	8682.95
Add: Allowance for Employee' insurance @4.75% of (L)		= `	90.98	This is cost for	2.00	No.	
Total of allowances =	(II)	= `	351.67	Therefore, Unit cost	=		
				8682.95	÷	2.0	=Rs. 4341.47
			Say Rs. 4341.00		per No.		

Rate Analysis for 5.00 No. of Item:
Providing and fixing 600 X 450 mm size, ISI mark stainless steel kitchen sink of 'Ajanta' or equivalent as approved etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 88 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Kitchen sink	5.000	Nos.	1610.17	8050.87	1.	Mason-I	1.00	No.	540.38	540.38	
2.	Tools, tackles sundries		Lumpsum		100.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
TOTAL (M) =Rs.					8150.87	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) =	(I)	= `	9170.10	Total = (I) + (II) =	(III)	= `	9357.23
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	917.01
Add: Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	10274.24
Add: Allowance for Employee' insurance @4.75% of (L)		= `	48.41	This is cost for	5.00	No.	
Total of allowances =	(II)	= `	187.13	Therefore, Unit cost	=		
				10274.24	÷	5.0	=Rs. 2054.85
			Say Rs. 2055.00		per	No.	

Rate Analysis for 10.00 Mtr. of Item:
Removing the existing barbed wire fencing including RCC posts, barbed wire etc. including demolishing the concrete etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 89 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Tools, tackles sundries		Lumpsum		100.00	1.	Mason-II	2.00	No.	525.00	1050.00	
						2.	Mazdoor-Male	2.00	No.	478.85	957.70	
TOTAL (M) =Rs.					100.00	TOTAL (L) =Rs.					2007.70	

Total of (M) + (L) =	(I)	= `	2107.70	Total = (I) + (II) =	(III)	= `	2476.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	210.77
Add: Allowance for PF @13.61% of (L)		= `	273.25	Grand Total	=	(III)+(IV)= `	2687.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	95.37	This is cost for	10.00	Mtr.	
Total of allowances =	(II)	= `	368.61	Therefore, Unit cost		=	
				2687.08	÷	10.0	=Rs. 268.71
			Say Rs. 269.00		per	Mtr.	

Rate Analysis for 20.00 Sq.M. of Item:
Removing carefully the existing paver blocks and re-fixing the same in required level to match with the adjacent paving etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 90 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sand required 20 Sq.M. X 40 mm thick = 0.80 Cu.M.	0.80	Cu.M.	2994.92	2395.94	1.	Mason-II	1.00	No.	525.00	525.00	
2.	Tools, tackles sundries		Lumpsum		100.00	2.	Mazdoor-Male	1.00	No.	478.85	478.85	
TOTAL (M) =Rs.					2495.94	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	3499.79	Total = (I) + (II) =	(III)	= `	3684.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	349.98
Add: Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	4034.07
Add: Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	20.00	Sq.M.	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				4034.07	÷	20.0	=Rs. 201.70
			Say Rs. 202.00			per Sq.M.	

Rate Analysis for 3.00 Tree of Item:
Trimming and pruning the over grown branches of trees of 2 feet girth and above upto any girth etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 91 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for diesel operated wood cutting chain saw (Market enquiry) Mr.Sayed Pyaru Naushad Mob:9967400609	1.00	day	500.00	500.00	1.	Skilled wood cutters	3.00	No.	540.38	1621.14	
2.	Transportation		Lumpsum		4000.00	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
3.	Rebate: Fire wood Mr.Sayed Pyaru Naushad Mob:9967400609	200.00	Kgs.	-8.00	-1600.00							
4.	Tools, tackles sundries		Lumpsum		200.00							
TOTAL (M) =Rs.					3100.00	TOTAL (L) =Rs.					2578.84	

Total of (M) + (L) =	(I)	= `	5678.84	Total = (I) + (II) =	(III)	= `	6152.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	567.88
Add: Allowance for PF @13.61% of (L)		= `	350.98	Grand Total		= (III)+(IV)= `	6720.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	122.49	This is cost for 3.00 Tree			
Total of allowances =	(II)	= `	473.48	Therefore, Unit cost 6720.20 ÷ 3.0		=Rs.	2240.07
			Say Rs. 2240.00	per Tree			

Rate Analysis for 3.00 Tree of Item:
Cutting and removing dead trees of any dia. including obtaining permission from from MCGM etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 92 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for diesel operated wood cutting chain saw (Market enquiry) Mr.Sayed Pyaru Naushad Mob:9967400609	1.00	day	500.00	500.00	1.	Skilled wood cutters	3.00	No.	540.38	1621.14	
2.	Transportation		Lumpsum		4000.00	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
3.	Rebate: Fire wood Mr.Sayed Pyaru Naushad Mob:9967400609	300.00	Kgs.	-8.00	-2400.00							
4.	Tools, tackles sundries		Lumpsum		200.00							
TOTAL (M) =Rs.					2300.00	TOTAL (L) =Rs.					2578.84	

Total of (M) + (L) =	(I)	= `	4878.84	Total = (I) + (II) =	(III)	= `	5352.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	487.88
Add: Allowance for PF @13.61% of (L)		= `	350.98	Grand Total	=	(III)+(IV)= `	5840.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	122.49	This is cost for 3.00 Tree			
Total of allowances =	(II)	= `	473.48	Therefore, Unit cost	=		
				5840.20 ÷ 3.0	=Rs.	1946.73	
			Say Rs. 1947.00	per Tree			

Rate Analysis for 5.66 Cu.M. of Item:
Spreading red earth or garden manure at desired location and thickness in layers Etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 93 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Tools, tackles sundries		Lumpsum		50.00	1.	Mazdoor-Male	3.00	No.	478.85	1436.55	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					1436.55	

Total of (M) + (L) =	(I)	= `	1486.55	Total = (I) + (II) =	(III)	= `	1750.30
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	148.66
Add: Allowance for PF @13.61% of (L)		= `	195.51	Grand Total	=	(III)+(IV)= `	1898.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `	68.24	This is cost for	5.66	Cu.M.	
Total of allowances =	(II)	= `	263.75	Therefore, Unit cost	=		
				1898.96	÷	5.7	=Rs. 335.50
			Say Rs. 336.00			per Cu.M.	

Rate Analysis for 1.00 No. of Item:
Providing and fixing rat trap of approx. 600 mm dia. 20 guage GI sheet cut to zig-zag shape Etc.

Corresponding Item No. of Section -XXI of MbPT SOR 2014
 New Item No. 94 of Section -XXI
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	GI sheet - 20 guage	0.60	Sq.M.	347.46	208.48	1.	Fitter-I	0.20	No.	540.38	108.08	
2.	Tools, tackles and sundries		Lumpsum		20.00	2.	Mazdoor-Male	0.20	No.	478.85	95.77	
TOTAL (M) =Rs.					228.48	TOTAL (L) =Rs.					203.85	

Total of (M) + (L) =	(I)	= `	432.32	Total = (I) + (II) =	(III)	= `	469.75
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	43.23
Add: Allowance for PF @13.61% of (L)		= `	27.74	Grand Total	=	(III)+(IV)= `	512.98
Add: Allowance for Employee' insurance @4.75% of (L)		= `	9.68	This is cost for 1.00 No.			
Total of allowances =	(II)	= `	37.43	Therefore, Unit cost	=		
				512.98 ÷ 1.0	=Rs.		512.98
			Say Rs. 513.00	per No.			

XXII - Restorative Repair Works

Sr. No.	Item Description	Rate in `	Unit
1	Exposing existing old & worn out RCC column, beams and slabs etc. upto the main reinforcement carefully by means of chisel and hammer including necessary scaffolding, stacking the same on ground in the compound etc. complete as directed (surface area exposed after final chipping, chiselling etc. will only be measured and paid for).	199.00	Sq.M.
2	Removing existing waterproofing layer including brickbat coba & stacking the debris on ground in the compound etc. complete as directed.	311.00	Sq.M.
3	Removing existing plaster carefully for RCC/ brick work including removing wall fixtures, scaffolding etc. complete as directed.	142.00	Sq.M.
4	Removing existing waterproofing treatment inside the overhead tank -- do -- do -- as per Item No.2 above.	311.00	Sq.M.
5	Removing existing flushing tank carefully including brackets and disconnecting and re-connecting existing fittings, if necessary etc. complete as directed.	299.00	Each
6	Removing existing RCC jalli work carefully and stacking the same etc. complete as directed.	142.00	Sq.M.
7	Providing & placing broken glass in plinth protection etc. complete as directed.	39.00	Kg.
8	Removing existing corrosion in m.s./ tor steel bars by means of suitable light tapping, wire brushing and applying suitable chemicals viz. 'Rusticide', 'Rust converter' and leaving for 24 hours, wash the deposits with water on next day etc. complete as directed.	284.00	Lit.
9	Providing and applying epoxy resin and hardener in ratio of 2:1 by wt. of Sunepoxy 358 or equivalent as per manufacturers specification after cleaning the existing surface from dust/ loose particles by applying air by air blowers under pressure etc. complete as directed.	127.00	Sq.M.
10	(a) -- do -- do -- do -- hack-aid plast -- do -- do -- as per Item No.9 above.	73.00	Sq.M.
	(b) -- do -- do -- do -- Polyalk EP -- do -- do -- as per Item No.9 above.	123.00	Sq.M.

XXII - Restorative Repair Works

Sr. No.	Item Description	Rate in `	Unit
	(c) -- do -- -- do – hack-aid plast - special -- do -- -- do -- as per Item No.9 above.	90.00	Sq.M.
11	Trowelling the existing prepared surface by means of cement concrete i.e.1:2:3 using river sand after application of hack-aid plast/ epoxy resin as per site condition/ instruction, necessary curing etc. complete including finishing the surface to key coat etc. complete as directed (Hack-aid plast & epoxy resin shall be paid separately).	652.00	Sq.M.
12	Providing and applying epoxy mortar consisting of epoxy resin, hardner & quartz sand in the proportion of (100:55:850) by weight or Sunepoxy 358 or equivalent over a bonding coat while the bonding coat is wet & tacky to existing exposed concrete surface at places where large chunks of concrete had deteriorated etc. complete as directed (Net epoxy mortar shall be paid and bonding coat will be paid separately).	102.00	Kg.
13	Providing and fixing polished shahabad stone 22 to 35 mm thick for flooring in CM (1:5) with cement pointing etc. using river sand complete as directed.	751.00	Sq.M.
14	Supplying and fixing ground glass louvered windows with louvers 4 mm thick and 12.5 to 15 cm wide spaced 5 to 6.5 cm vertical distances apart as directed with 7.5X7.5 cm teak wood frame etc. complete as directed including m.s. bar of 12 mm dia. as existing as per site.	6,321.00	Sq.M.
15	Removing carefully existing door shutter (single) or window shutters (pair) excluding teak wood frame and stacking the same etc. complete as directed.	194.00	Each
16	Removing carefully existing door or window wooden frame and stacking the same etc. complete as directed.	208.00	Each
17	Re-fixing of existing doors single shutter or pair of window shutters with necessary rectification including cutting decayed teak wood portion, fixing with new heavy duty iron oxidised fixtures viz.hinges, handles and sliding bolts etc. complete as directed.	1,052.00	Each

XXII - Restorative Repair Works

Sr. No.	Item Description	Rate in `	Unit
18	Supplying & fixing plain aluminium sheets (22 gauge) to bath and w.c. door shutters at bottom 20 cm on both sides etc. complete as directed.	685.00	Sq.M.
19	Re-fixing existing teak wood window or door frames after rectification including cutting decayed teak wood portion and fixing with new heavy duty iron fixtures and hold-fasts including applying coal tar to the surfaces coming in contact with masonry etc. complete as directed.	403.00	Each
20	Removing and re-fixing IRC mesh with new nails and new teak wood battens of size 40X10 mm etc. complete as directed.	208.00	Sq.M.
21	Providing and fixing chicken mesh jalli at the junction of RCC beam and brick work (outside only) etc. complete as directed.	51.00	Sq.M.
22	Re-using old serviceable teak wood work available from site of work complete as directed.	12,441.00	Cu.M.
23	Providing and applying polymer modified cement mortar in proportion of 1(Polymer): 5(Cement): 15 (Quartz sand) by weight with water cement ratio of 0.35 including application of bonding coat using brush in ratio 1(Polymer): 1(Cement):0.35 (Water) by weight including cleaning the surface with air mixed with water under pressure and subsequent layer upto 10 mm after hardening etc. complete as directed (Polymer manufactured by Sunanda, Pidilite, Fosvoc, Acro-chem, Build-core as approved by the Engineer).	41.00	Kg.
24	Removing carefully existing sink/ wash basins with fittings etc. and stacking the same at site of work etc. complete as directed.	262.00	Each
25	Re-fixing existing old GI pipes of any size with new fittings, clamps, etc. complete as directed.	175.00	Mtr.
26	Providing and laying cement concrete of grade (1:2:4) for flooring etc. using river sand including necessary shuttering, curing etc. complete as directed.	6,637.00	Cu.M.

XXII - Restorative Repair Works

Sr. No.	Item Description	Rate in `	Unit
27	(a) Providing and laying reinforced cement concrete of grade M20 (1:1.5:3) using river sand for encasing the existing RCC columns/ beams etc. including necessary scaffolding, supporting existing structures, shuttering, vibrating, curing but excluding reinforcement etc. complete as directed.	15,489.00	Cu.M.
	(b) Extra over rate for Item Nos.27 (a) above for adding admix corrosion inhibiting admixer Polyalk CP-293 or equivalent procured from approved manufacturer @500 ml. per bag of cement as per maker's specifications.	783.00	Cu.M.
28	Providing and fixing shear connectors to old columns, beams to be jacketed including drilling holes to old columns or beams fixing 12 mm dia. bars of 150 to 200 mm length with epoxy mortar (Sunepoxy 358 or equivalent) etc. complete as directed.	104.00	Each
29	Providing and applying cement plaster in CM (1:4) proportion using river sand including neeru finish, re-fixing of wall mounted existing wooden fixtures and coats of white or colour wash etc. complete as directed.		
	(a) upto 20 mm thick	598.00	Sq.M.
	(b) upto 10 mm thick	301.00	Sq.M.
	(c) Extra over rate for Item No.29 above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.		
	(i) upto 20 mm thick	8.00	Sq.M.
	(ii) upto 10 mm thick	4.00	Sq.M.
30	(a) Indian Patent Stone (IPS) flooring of grade (1:2:4) using river sand 40 mm thick average finished to smooth surface including mixing with red oxide and marking lines/ squares and adding plasticisers approved by the Site In-charge etc. complete as directed.	427.00	Sq.M.
	(b) Extra over rate for Item No.30 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of concrete.	14.00	Sq.M.

XXII - Restorative Repair Works

Sr. No.	Item Description	Rate in `	Unit
31	(a) Sand faced plaster in double coat of cement mortar (1:3) proportion 20 mm thick using river sand and filling brick joints prior to plastering, scaffolding etc. complete as directed.	704.00	Sq.M.
	(b) Extra over rate for Item No.31 (a) above for adding necessary waterproofing compound 1 Kg. per cement bag.	15.00	Sq.M.
	(c) Extra over rate for Item No.31 (a) above for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent per bag of cement of cement mortar.	14.00	Sq.M.
32	Removing existing Indian Patent Stone (IPS) flooring and stacking the same etc. complete as directed.	125.00	Sq.M.
33	Removing existing GI pipes and fittings of any size including necessary scaffolding etc. complete and stacking the same as directed.	35.00	Mtr.
34	Removing existing tap of any size carefully and handing over the same to the MbPT authorities etc. complete as directed.	41.00	Each
35	Providing and laying waterproofing treatment to the mori, bath, w.c. etc. using river sand including smooth plaster in CM (1:3) over a layer of cement slurry and one coat of polycoat SS in flooring and dado including necessary brick bat coba in CM (1:3) of required thickness 25 mm thick IPS (1:2:3) including addition of approved quality waterproofing compound etc. complete as directed (Payment will be made for plan area).	1,037.00	Sq.M.
36	Making groove in RCC structure up to 50 mm deep using electrically operated grinder machine, scaffolding etc. complete as directed.	99.00	Mtr.
37	Providing and fixing galvanised m.s. split bolts 20 mm dia. 150 mm long to the concrete/ stone masonry or wherever directed including drilling holes using compressor, fixing with epoxy mortar etc. complete as directed.	222.00	Each

XXII - Restorative Repair Works

Sr. No.	Item Description	Rate in `	Unit
38	Providing and fixing in position 20 mm GI grouting pipe by making hole using drilling machine in RCC member/ masonry upto required depth and fixing the grouting pipe using epoxy putty/ M-seal etc. complete as directed.	138.00	Each
39	Providing and grouting polymer (Polyalk EP or equivalent), cement and water at the ratio of 1:3:2 by weight and grouting shall be done using hand grouting machine till refusal, curing the area by spray etc. complete as directed.	195.00	Kg. of cement
40	Sealing the cracks in walls, RCC members etc. externally or internally at any floor level with the use of scaffolding or Jhulla for the crack width up to 20 mm using suitable crack fill material of cement and fine quartz sand putty including necessary addition of chemical in the proportion of 1:1 or as per manufacturer's instruction, properly grouting into cracks after necessary cleaning including applying two coats (100 mm width) of Polyalk WP of approved brand over sealed crack or as directed etc. complete (Payment shall be made in running meter of sealed crack).	142.00	Mtr.
41	Providing and applying black coloured epoxy putty such as M-seal or other approved brand etc. complete as directed.	36.00	Mtr.
42	Providing and applying white coloured epoxy putty such as M-seal or other approved brand etc. complete as directed.	37.00	Mtr.
43	Providing and grouting with cement and water and grouting shall be done using hand grouting machine till refusal as directed, curing the area by water spray etc. complete as directed.	50.00	Kg. of cement
44	Providing a lump free consistant slurry of rust passivating coating of 1 Kg. of Polyalk Fixoprime or equivalent mixed with 1.25 Kgs. of cement without adding water and applying the same in 2 coats by brush to the derusted steel surfaces with an interval of 24 hours (The slurry prepared shall be applied within 30 minutes) including scaffolding etc. complete.	195.00	Kg.

XXII - Restorative Repair Works

Sr. No.	Item Description	Rate in `	Unit
45	Providing and fixing double leaf window shutter with 2nd class teak wood rails and styles 38 mm thick in glass panels to match with the existing windows of the building including heavy oxidized iron hinges and other fixtures and fastenings etc. complete. Note: Contractor has to replace partly or fully decayed portion of door shutter as shown by Engineer In-charge and payment will be made for the part replaced.	10,651.00	Sq.M.
46	Providing & applying two component epoxy zinc rich anti-corrosive coating of 'Corroseal ZR' manufactured by M/s. Krishna Conchem or Nitozinc primer manufactured by M/s. Fosroc or equivalent as approved on rebars after thoroughly cleaning them for removal of rust, dirt, loose material etc. with wire brush/ rotary wire brush machine etc. complete as specified and as directed.	789.00	Lit.
47	Cutting the RCC chajja of any thickness using mechanical cutting machine of suitable size and capacity etc. complete as directed. The part of RCC chajja shall be cut in straight line in part by part to avoid falling of big chunks of concrete including cutting down the steel within the chhajja. The contractor shall provide steel or wooden working platform to prevent falling off chunks of concrete. Contractor shall also provide tarpaulin or hessian cloth curtain in front of the passage to avoid dust nuisance to the residents. The area of working shall be cordoned off at ground level as directed. The rate includes the transportation of debris to any where outside MbPT estate at no extra cost to MbPT. Payment shall be made for the plan area of RCC chajja actually cut at site. No separate payment shall be made for cutting reinforcement, variation in chajja thickness, platform, curtain, barricading and transportation of debris.	3,253.00	Sq.M.

Rate Analysis for 10.00 Sq.M. of Item:
Exposing existing old and worn out RCC members etc.

Corresponding Item No. 1 of Section -XXII of MbPT SOR 2014
 New Item No. 1 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Scaffolding etc.		Lumpsum		80.00	1.	Mazdoor-Male	3.000	No.	478.85	1436.55	
2.	Tools, tackles		Lumpsum		30.00		For exposing and					
3.	Sundries		Lumpsum		20.00		removal of debris to					
							ground floor					
TOTAL (M) =Rs.					130.00	TOTAL (L) =Rs.					1436.55	

Total of (M) + (L) =	(I)	= `	1566.55	Total = (I) + (II) =	(III)	= `	1830.30
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	156.66
Add: Allowance for PF @13.61% of (L)		= `	195.51	Grand Total	=	(III)+(IV)= `	1986.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `	68.24	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	263.75	Therefore, Unit cost	=		
				1986.96	÷	10.00	=Rs. 198.70
			Say Rs. 199.00	per Sq.M.			

Rate Analysis for 3.00 Sq.M. of Item:
Removing existing waterproofing layer etc.

Corresponding Item No. 2 of Section -XXII of MbPT SOR 2014
 New Item No. 2 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Tools, tackles		Lumpsum		8.00	1.	Mazdoor-Male	1.500	No.	478.85	718.28	
2.	Sundries		Lumpsum		3.00							
TOTAL (M) =Rs.					11.00	TOTAL (L) =Rs.					718.28	

Total of (M) + (L) =	(I)	= `	729.28	Total = (I) + (II) =	(III)	= `	861.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	72.93
Add: Allowance for PF @13.61% of (L)		= `	97.76	Grand Total	=	(III)+(IV)= `	934.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	34.12	This is cost for	3.00	Sq.M.	
Total of allowances =	(II)	= `	131.88	Therefore, Unit cost	=		
				934.08	÷	3.00	=Rs. 311.36
			Say Rs. 311.00			per Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Removing existing plaster etc.

Corresponding Item No. 3 of Section -XXII of MbPT SOR 2014
 New Item No. 3 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Scaffolding etc.		Lumpsum		150.00	1.	Mazdoor-Male	2.00	No.	478.85	957.70	
2.	Sundries		Lumpsum		20.00		including removal of debris to ground					
TOTAL (M) =Rs.					170.00	TOTAL (L) =Rs.					957.70	

Total of (M) + (L) =	(I)	= `	1127.70	Total = (I) + (II) =	(III)	= `	1303.53
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	112.77
Add: Allowance for PF @13.61% of (L)		= `	130.34	Grand Total	=	(III)+(IV)= `	1416.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	45.49	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	175.83	Therefore, Unit cost	=		
				1416.30	÷	10.0	=Rs. 141.63
			Say Rs. 142.00	per Sq.M.			

Rate Analysis for 3.00 Sq.M. of Item:
Removing existing waterproofing treatment inside overhead tank etc.

Corresponding Item No. 4 of Section -XXII of MbPT SOR 2014
 New Item No. 4 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Tools, tackles		Lumpsum		8.00	1.	Mazdoor-Male	1.500	No.	478.85	718.28	
2.	Sundries		Lumpsum		3.00							
TOTAL (M) =Rs.					11.00	TOTAL (L) =Rs.					718.28	

Total of (M) + (L) =	(I)	= `	729.28	Total = (I) + (II) =	(III)	= `	861.15
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	72.93
Add: Allowance for PF @13.61% of (L)		= `	97.76	Grand Total	=	(III)+(IV)= `	934.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	34.12	This is cost for	3.00	Sq.M.	
Total of allowances =	(II)	= `	131.88	Therefore, Unit cost	=		
				934.08	÷	3.00	=Rs. 311.36
			Say Rs. 311.00		per	Sq.M.	

Rate Analysis for 5.00 Nos. of Item:
Removing existing flushing tank disconnecting and re-connecting etc.

Corresponding Item No. 5 of Section -XXII of MbPT SOR 2014
 New Item No. 5 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Tools, tackles, fittings		Lumpsum		150.00	1.	Plumber I	1.000	No.	540.38	540.38	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					170.00						1019.23	

Total of (M) + (L) =	(I)	= `	1189.23	Total = (I) + (II) =	(III)	= `	1376.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	118.92
Add: Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	1495.28
Add: Allowance for Employee' insurance @4.75% of (L)		= `	48.41	This is cost for	5.00	Nos.	
Total of allowances =	(II)	= `	187.13	Therefore, Unit cost	1495.28	÷	5.00 =Rs. 299.06
			Say Rs. 299.00	per each			

Rate Analysis for 10.00 Sq.M. of Item:
Removing existing RCC jalli etc.

Corresponding Item No. 6 of Section -XXII of MbPT SOR 2014
 New Item No. 6 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Scaffolding etc.		Lumpsum		150.00	1.	Mazdoor-Male	2.000	No.	478.85	957.70	
2.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					170.00	TOTAL (L) =Rs.					957.70	

Total of (M) + (L) =	(I)	= `	1127.70	Total = (I) + (II) =	(III)	= `	1303.53
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	112.77
Add: Allowance for PF @13.61% of (L)		= `	130.34	Grand Total	=	(III)+(IV)= `	1416.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	45.49	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	175.83	Therefore, Unit cost	=		
				1416.30	÷	10.00	=Rs. 141.63
			Say Rs. 142.00		per	Sq.M.	

Rate Analysis for 100.00 Kgs. of Item:
Providing and placing broken glass in plinth protection etc.

Corresponding Item No. 7 of Section -XXII of MbPT SOR 2014
 New Item No. 7 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Broken glass pieces	100.00	Kgs.	6.721	672.12	1.	Mazdoor-Male	5.000	No.	478.85	2394.25	
2.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					752.12	TOTAL (L) =Rs.					2394.25	

Total of (M) + (L) =	(I)	= `	3146.37	Total = (I) + (II) =	(III)	= `	3585.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	314.64
Add: Allowance for PF @13.61% of (L)		= `	325.86	Grand Total	=	(III)+(IV)= `	3900.59
Add: Allowance for Employee' insurance @4.75% of (L)		= `	113.73	This is cost for	100.0	Kgs.	
Total of allowances =	(II)	= `	439.58	Therefore, Unit cost	=		
				3900.59	÷	100.0	=Rs. 39.01
			Say Rs. 39.00			per Kg.	

Rate Analysis for 1.00 Lit. of Item:
Removing existing corrosion by means of etc.

Corresponding Item No. 8 of Section -XXII of MbPT SOR 2014
 New Item No. 8 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	'Rusticide'	1.00	Lits.	110.170	110.17	1.	Mazdoor-Male	0.250	No.	478.85	119.71	
2.	Sundries & brushes		Lumpsum		8.00		(2 Hrs. for cleaning of reinforcement and application of 'Rusticide')					
TOTAL (M) =Rs.					118.17	TOTAL (L) =Rs.					119.71	

Total of (M) + (L) =	(I)	= `	237.88	Total = (I) + (II) =	(III)	= `	259.86
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	23.79
Add: Allowance for PF @13.61% of (L)		= `	16.29	Grand Total	=	(III)+(IV)= `	283.65
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.69	This is cost for	1.0	Lit.	
Total of allowances =	(II)	= `	21.98	Therefore, Unit cost	=		
				283.65	÷	1.0	=Rs. 283.65
			Say Rs. 284.00	per Lit.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and applying epoxy resin etc.

Corresponding Item No. 9 of Section -XXII of MbPT SOR 2014
 New Item No. 9 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sunepoxy 358	2.500	Kg.	343.221	858.05	1.	Mazdoor-Male	0.250	No.	478.85	119.71	
2.	Brushes, gloves, scaffolding etc.		Lumpsum		90.00							
3.	Hire charges for air blower		Lumpsum		20.00							
4.	Sundries & carriage		Lumpsum		50.00							
TOTAL (M) =Rs.					1018.05	TOTAL (L) =Rs.					119.71	

Total of (M) + (L) =	(I)	= `	1137.77	Total = (I) + (II) =	(III)	= `	1159.74
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	113.78
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	16.29	Grand Total	=	(III)+(IV)= `	1273.52
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5.69	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	21.98	Therefore, Unit cost	=		
				1273.52 ÷ 10.00	=Rs.	127.35	
			Say Rs. 127.00	per Sq.M.			

Rate Analysis for 5.00 Sq.M. of Item:
Providing and applying hack-aid plast etc.

Corresponding Item No. 10a of Section -XXII of MbPT SOR 2014
 New Item No. 10a of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Hack-aid plast	1.000	Kg.	152.543	152.54	1.	Mazdoor-Male	0.250	No.	478.85	119.71	
2.	Brushes, gloves, scaffolding etc.		Lumpsum		30.00							
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					190.54	TOTAL (L) =Rs.					119.71	

Total of (M) + (L) =	(I)	= `	310.26	Total = (I) + (II) =	(III)	= `	332.23
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	31.03
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	16.29	Grand Total	=	(III)+(IV)= `	363.26
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	5.69	This is cost for	5.00	Sq.M.	
Total of allowances =	(II)	= `	21.98	Therefore, Unit cost	=		
				363.26 ÷	5.00	=Rs.	72.65
			Say Rs. 73.00	per	Sq.M.		

Rate Analysis for 100.00 Sq.M. of Item:
Providing and applying hack-aid plast etc.

Corresponding Item No. 10b of Section -XXII of MbPT SOR 2014
 New Item No. 10b of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Polyalk EP	27.000	Lit	398.306	10754.27	1.	Painter I	0.250	No.	540.38	135.10	
2.	Brushes, gloves, scaffolding etc.		Lumpsum		90.00	2.	Mazdoor-Male	0.250	No.	478.85	119.71	
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					10852.27	TOTAL (L) =Rs.					254.81	

Total of (M) + (L) =	(I)	= `	11107.07	Total = (I) + (II) =	(III)	= `	11153.86
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1110.71
Add: Allowance for PF @13.61% of (L)		= `	34.68	Grand Total	=	(III)+(IV)= `	12264.57
Add: Allowance for Employee' insurance @4.75% of (L)		= `	12.10	This is cost for	100.0	Sq.M.	
Total of allowances =	(II)	= `	46.78	Therefore, Unit cost	=		
				12264.57	÷	100.0	=Rs. 122.65
			Say Rs. 123.00	per Sq.M.			

Rate Analysis for 5.00 Sq.M. of Item:
Providing and applying hack-aid plast etc.

Corresponding Item No. 10c of Section -XXII of MbPT SOR 2014
 New Item No. 10c of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Hack-aid plast-Special	1.000	Kg.	169.492	169.49	1.	Mazdoor-Male	0.250	No.	478.85	119.71	
2.	Brushes, gloves, scaffolding etc.		Lumpsum		90.00							
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					267.49	TOTAL (L) =Rs.					119.71	

Total of (M) + (L) =	(I)	= `	387.20	Total = (I) + (II) =	(III)	= `	409.18
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	38.72
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	16.29	Grand Total	=	(III)+(IV)= `	447.90
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	5.69	This is cost for 5.00 Sq.M.			
Total of allowances =	(II)	= `	21.98	Therefore, Unit cost	=		
				447.90 ÷ 5.00	=Rs.		89.58
			Say Rs. 90.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Trowelling the existing prepared surface etc.

Corresponding Item No. 11 of Section -XXII of MbPT SOR 2014
 New Item No. 11 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Cement-3.93 bags	0.1965	MT	5762.73	1132.38	1.	Mason II	2.00	No.	525.00	1050.00	
2.	Sand	0.4126	Cu.M.	2994.92	1235.71	2.	Bhisti	2.00	No.	478.85	957.70	
3.	scaffolding etc.		Lumpsum		90.00	3.	Mazdoor-Male	2.00	No.	478.85	957.70	
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					2466.08	TOTAL (L) =Rs.					2965.40	

Total of (M) + (L) = (I) = ` 5431.48 Total = (I) + (II) = (III) = ` 5975.93

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 543.15

Add: Allowance for PF @13.61% of (L) = ` 403.59 Grand Total = (III)+(IV)= ` 6519.08

Add: Allowance for Employee' insurance @4.75% of (L) = ` 140.86 This is cost for 10.0 Sq.M.
 Therefore, Unit cost = 6519.08 ÷ 10.0 =Rs. 651.91

Total of allowances = (II) = ` 544.45 **Say Rs. 652.00 per Sq.M.**

Cement = 3.93 bags = 196.50 Kgs. = 0.13755 Cu.M.
 Sand for 1:3 = 0.4126 Cu.M.

Rate Analysis for 10.00 Kgs. of Item:
Providing and applying epoxy mortar etc.
 (1 Kg. of resin + 0.55 Kg. of hardner + 8.5 Kgs. of quartz sand)

Corresponding Item No. 12 of Section -XXII of MbPT SOR 2014
 New Item No. 12 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Resin 505 C	1.000	Kg.	334.140	334.14	1.	Mason II	0.200	No.	525.00	105.00	
2.	Hardener EH 411	0.550	Kg.	380.228	209.13	2.	Mazdoor-Male	0.200	No.	478.85	95.77	
3.	Quartz sand	8.500	Kgs.	5.932	50.42							
4.	Brushes, gloves, scaffolding etc.		Lumpsum		90.00							
5.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					691.69	TOTAL (L) =Rs.					200.77	

Total of (M) + (L) =	(I)	= `	892.46	Total = (I) + (II) =	(III)	= `	929.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	89.25
Add: Allowance for PF @13.61% of (L)		= `	27.32	Grand Total	=	(III)+(IV)= `	1018.57
Add: Allowance for Employee' insurance @4.75% of (L)		= `	9.54	This is cost for	10.0	Kgs.	
Total of allowances =	(II)	= `	36.86	Therefore, Unit cost	=		
				1018.57	÷	10.0	=Rs. 101.86
			Say Rs. 102.00			per Kg.	

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing shahabad stone flooring etc.

Corresponding Item No. 13 of Section -XXII of MbPT SOR 2014
 New Item No. 13 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Shahabad stone-22 to 35mm including 10% wastage	11.000	Sq.M.	350.85	3859.33	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement	0.076	MT	5762.73	437.97	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Sand	0.250	Cu.M.	2994.92	748.73							
4.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					5096.03	TOTAL (L) =Rs.					1482.70	

Total of (M) + (L) =	(I)	= `	6578.73	Total = (I) + (II) =	(III)	= `	6850.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	657.87
Add: Allowance for PF @13.61% of (L)		= `	201.80	Grand Total	=	(III)+(IV)= `	7508.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `	70.43	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	272.22	Therefore, Unit cost	=		
				7508.83	÷	10.0	=Rs. 750.88
			Say Rs. 751.00	per Sq.M.			

Rate Analysis for 0.720 Sq.M. of Item:
Supplying & fixing louvered windows etc.

Window of size: 0.6 X 1.2 Mtrs.

Corresponding Item No. 14 of Section -XXII of MbPT SOR 2014

New Item No. 14 of Section -XXII

NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Teak wood-3"X3"	0.024	Cu.M.	63279.84	1518.72	1.	Carpenter I	1.000	No.	540.38	540.38	
2.	m.s. bars-12mm dia.	0.0374	qntl.	3898.32	145.80	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Glass louvers	1.560	Sq.M.	451.70	704.65							
4.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2389.16	TOTAL (L) =Rs.					1498.08	

Total of (M) + (L) = (I) = ` 3887.24 Total = (I) + (II) = (III) = ` 4162.29

Add: Allowance for Water charges @1% of (I) = ` 38.87 Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 388.72

Add: Allowance for PF @13.61% of (L) = ` 203.89 Grand Total = (III)+(IV)= ` 4551.01

Add: Allowance for Employee' insurance @4.75% of (L) = ` 71.16 This is cost for 0.720 Sq.M.

Total of allowances = (II) = ` 275.05 Therefore, Unit cost = 4551.01 ÷ 0.720 =Rs. 6320.85

Say Rs. 6321.00 per Sq.M.

Rate Analysis for 10.00 Nos. of Item:
Removing existing door shutters and window shutters etc.

Corresponding Item No. 15 of Section -XXII of MbPT SOR 2014
 New Item No. 15 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Carpenter I	1.000	No.	540.38	540.38	
						2.	Mazdoor-Male	2.000	No.	478.85	957.70	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					20.00						1498.08	

Total of (M) + (L) =	(I)	= `	1518.08	Total = (I) + (II) =	(III)	= `	1793.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	151.81
Add: Allowance for PF @13.61% of (L)		= `	203.89	Grand Total	=	(III)+(IV)= `	1944.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `	71.16	This is cost for	10.0	Nos.	
Total of allowances =	(II)	= `	275.05	Therefore, Unit cost	=		
				1944.94	÷	10.0	=Rs. 194.49
			Say Rs.	194.00	per	each	

Rate Analysis for 3.00 Nos. of Item:
Removing existing door or window wooden frame etc.

Corresponding Item No. 16 of Section -XXII of MbPT SOR 2014
 New Item No. 16 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		8.00	1.	Mazdoor-Male	1.000	No.	478.85	478.85	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					8.00						478.85	

Total of (M) + (L) =	(I)	= `	486.85	Total = (I) + (II) =	(III)	= `	574.77
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	48.69
Add: Allowance for PF @13.61% of (L)		= `	65.17	Grand Total	=	(III)+(IV)= `	623.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	22.75	This is cost for	3.0	Nos.	
Total of allowances =	(II)	= `	87.92	Therefore, Unit cost	623.45	÷	3.0
						=Rs.	207.82
			Say Rs.	208.00	per	each	

Rate Analysis for 1.00 No. of Item:
Re-fixing existing door shutters or pair of window shutters etc.

Corresponding Item No. 17 of Section -XXII of MbPT SOR 2014
 New Item No. 17 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Hinges-Iron oxidised	3.00	Nos.	25.42	76.27	1.	Carpenter I	0.250	No.	540.38	135.10	
2.	Handles-Anodized aluminium	2.00	Nos.	25.42	50.85	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Sliding bolts-Aluminium	2.00	Nos.	52.54	105.09							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					240.20	TOTAL (L) =Rs.					613.95	

Total of (M) + (L) =	(I)	= `	854.15	Total = (I) + (II) =	(III)	= `	966.87
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	85.41
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	83.56	Grand Total	=	(III)+(IV)= `	1052.28
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	29.16	This is cost for 1.0 No.			
Total of allowances =	(II)	= `	112.72	Therefore, Unit cost	=		
				1052.28 ÷ 1.0	=Rs.		1052.28
			Say Rs. 1052.00	per each			

Rate Analysis for 1.00 Sq.M. of Item:
Supplying and fixing aluminium sheet 22 gauge etc.

Corresponding Item No. 18 of Section -XXII of MbPT SOR 2014
 New Item No. 18 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Aluminium sheet-22 gauge	1.00	Sq.M.	457.63	457.63	1.	Mazdoor-Male	0.250	No.	478.85	119.71	
2.	Nails, etc		Lumpsum		20.00							
3.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					482.63	TOTAL (L) =Rs.					119.71	

Total of (M) + (L) =	(I)	= `	602.34	Total = (I) + (II) =	(III)	= `	624.32
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	60.23
Add: Allowance for PF @13.61% of (L)		= `	16.29	Grand Total	=	(III)+(IV)= `	684.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5.69	This is cost for	1.0	Sq.M.	
Total of allowances =	(II)	= `	21.98	Therefore, Unit cost	=		
				684.55	÷	1.0	=Rs. 684.55
			Say Rs. 685.00			per Sq.M.	

Rate Analysis for 7.00 Nos. of Item:
Re-fixing existing teakwood window or door frames etc.

Corresponding Item No. 19 of Section -XXII of MbPT SOR 2014
 New Item No. 19 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Hold-fasts, coal tar, fixtures, fastenings etc.		Lumpsum		500.00	1.	Carpenter II	0.500	No.	525.00	262.50	
						2.	Mason II	1.000	No.	525.00	525.00	
						3.	Mazdoor-Male	2.000	No.	478.85	957.70	
2.	Sundries		Lumpsum		30.00							
TOTAL (M) =Rs.					530.00	TOTAL (L) =Rs.					1745.20	

Total of (M) + (L) =	(I)	= `	2275.20	Total = (I) + (II) =	(III)	= `	2595.62
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	227.52
Add: Allowance for PF @13.61% of (L)		= `	237.52	Grand Total	=	(III)+(IV)= `	2823.14
Add: Allowance for Employee' insurance @4.75% of (L)		= `	82.90	This is cost for 7.0 Nos.			
Total of allowances =	(II)	= `	320.42	Therefore, Unit cost	=		
				2823.14 ÷ 7.0	=Rs.		403.31
			Say Rs. 403.00	per each			

Rate Analysis for 1.65 Sq.M. of Item:
Removing and re-fixing IRC mesh with new nails/ batten etc.

Corresponding Item No. 20 of Section -XXII of MbPT SOR 2014
 New Item No. 20 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Teak wood battens-40X10	5.50	Mtrs.	22.88	125.85	1.	Carpenter II	0.100	No.	525.00	52.50	
2.	Nails, etc		Lumpsum		10.00	2.	Mazdoor-Male	0.200	No.	478.85	95.77	
3.	Sundries		Lumpsum		3.00							
TOTAL (M) =Rs.					138.85	TOTAL (L) =Rs.					148.27	

Total of (M) + (L) =	(I)	= `	287.12	Total = (I) + (II) =	(III)	= `	314.34
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	28.71
Add: Allowance for PF @13.61% of (L)		= `	20.18	Grand Total	=	(III)+(IV)= `	343.05
Add: Allowance for Employee' insurance @4.75% of (L)		= `	7.04	This is cost for	1.7	Sq.M.	
Total of allowances =	(II)	= `	27.22	Therefore, Unit cost	=		
				343.05 ÷ 1.7	=Rs.		207.91
			Say Rs. 208.00	per Sq.M.			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and fixing chicken mesh jalli etc.

Corresponding Item No. 21 of Section -XXII of MbPT SOR 2014
 New Item No. 21 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Chicken mesh jalli including 10% wastage	11.00	Sq.M.	14.41	158.48	1.	Mazdoor-Male	0.500	No.	478.85	239.43	
2.	Nails, etc		Lumpsum		20.00							
3.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					186.48	TOTAL (L) =Rs.					239.43	

Total of (M) + (L) =	(I)	= `	425.90	Total = (I) + (II) =	(III)	= `	469.86
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	42.59
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	32.59	Grand Total	=	(III)+(IV)= `	512.45
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	11.37	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	43.96	Therefore, Unit cost	=		
				512.45 ÷ 10.0	=Rs.	51.24	
			Say Rs. 51.00	per Sq.M.			

Rate Analysis for 0.114 Cu.M. of Item:
Re-using old serviceable wood etc.

Corresponding Item No. 22 of Section -XXII of MbPT SOR 2014
 New Item No. 22 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		100.00	1.	Carpenter I	1.000	No.	540.38	540.38	
						2.	Mazdoor-Male	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					100.00	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) =	(I)	= `	1119.23	Total = (I) + (II) =	(III)	= `	1306.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	111.92
Add: Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	1418.28
Add: Allowance for Employee' insurance @4.75% of (L)		= `	48.41	This is cost for	0.114	Cu.M.	
Total of allowances =	(II)	= `	187.13	Therefore, Unit cost	=		
				1418.28	÷	0.114	=Rs. 12441.08
			Say Rs. 12441.00	per Cu.M.			

Rate Analysis for 21.000 Kgs. of Item:
Providing and applying polymer modified cement mortar etc.
 (One batch = 1Kg. Polymer + 5 Kgs. Cement + 15 Kgs. Quartz sand = 21 Kgs.)

Corresponding Item No. 23 of Section -XXII of MbPT SOR 2014
 New Item No. 23 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Polymer	1.00	Kg.	224.58	224.58	1.	Mason II	0.250	No.	525.00	131.25	
2.	Polymer as primer	0.20	Kg.	224.58	44.92	2.	Mazdoor-Male	0.250	No.	478.85	119.71	
3.	Cement	0.005	MT	5762.73	28.81							
4.	Quartz sand	15.00	Kgs.	5.93	88.98							
5.	Sundries including scaffolding etc.		Lumpsum		100.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					487.29						250.96	

Total of (M) + (L) =	(I)	= `	738.25	Total = (I) + (II) =	(III)	= `	784.33
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	73.83
Add: Allowance for PF @13.61% of (L)		= `	34.16	Grand Total	=	(III)+(IV)= `	858.15
Add: Allowance for Employee' insurance @4.75% of (L)		= `	11.92	This is cost for	21.00	Kgs.	
Total of allowances =	(II)	= `	46.08	Therefore, Unit cost	858.15	÷	21.00 =Rs. 40.86
			Say Rs. 41.00			per Kg.	

1 Mason & 1 Mazdoor can do 4 batches in one day

Rate Analysis for 10.000 Nos. of Item:
Removing existing sink, wash basin etc.

Corresponding Item No. 24 of Section -XXII of MbPT SOR 2014
 New Item No. 24 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		90.00	1.	Plumber II	1.000	No.	525.00	525.00	
						2.	Mazdoor-Male	2.000	No.	478.85	957.70	
						3.	Coolie	1.000	No.	478.85	478.85	
TOTAL (M) =Rs.					90.00	TOTAL (L) =Rs.					1961.55	

Total of (M) + (L) =	(I)	= `	2051.55	Total = (I) + (II) =	(III)	= `	2411.69
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	205.16
Add: Allowance for PF @13.61% of (L)		= `	266.97	Grand Total	=	(III)+(IV)= `	2616.85
Add: Allowance for Employee' insurance @4.75% of (L)		= `	93.17	This is cost for	10.00	Nos.	
Total of allowances =	(II)	= `	360.14	Therefore, Unit cost	=		
				2616.85	÷	10.00	=Rs. 261.68
			Say Rs. 262.00	per each			

Rate Analysis for 10.000 Mtrs. of Item:
Re-fixing existing old GI pipes etc.

Corresponding Item No. 25 of Section -XXII of MbPT SOR 2014
 New Item No. 25 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Fittings, clamps etc.		Lumpsum		300.00	1.	Plumber I	1.000	No.	540.38	540.38	
2.	Scaffolding		Lumpsum		80.00	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					400.00	TOTAL (L) =Rs.					1019.23	

Total of (M) + (L) =	(I)	= `	1419.23	Total = (I) + (II) =	(III)	= `	1606.36
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	141.92
Add: Allowance for PF @13.61% of (L)		= `	138.72	Grand Total	=	(III)+(IV)= `	1748.28
Add: Allowance for Employee' insurance @4.75% of (L)		= `	48.41	This is cost for 10.00 Mtrs.			
Total of allowances =	(II)	= `	187.13	Therefore, Unit cost	=		
				1748.28 ÷ 10.00	=Rs.		174.83
			Say Rs. 175.00	per Mtr.			

Rate Analysis for 0.500 Cu.M. of Item:
Cement concrete (1:2:4) in flooring etc.

Corresponding Item No. 26 of Section -XXII of MbPT SOR 2014
 New Item No. 26 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Stone agg.-20mm	0.334	Cu.M.	898.31	300.03	1.	Mason I	0.250	No.	540.38	135.10	
2.	Stone agg.-10mm	0.111	Cu.M.	898.31	99.71	2.	Mazdoor-Male	0.500	No.	478.85	239.43	
3.	Cement	0.1625	MT	5762.73	936.44	3.	Bhisti	1.000	No.	478.85	478.85	
4.	Sand	0.222	Cu.M.	2994.92	664.87							
5.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					2021.06	TOTAL (L) =Rs.					853.37	

Total of (M) + (L) =	(I)	= `	2874.43	Total = (I) + (II) =	(III)	= `	3031.11
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	287.44
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	116.14	Grand Total =	(III)+(IV)=	`	3318.56
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	40.54	This is cost for 0.50 Cu.M.			
Total of allowances =	(II)	= `	156.68	Therefore, Unit cost 3318.56 ÷ 0.50 =Rs.			6637.11
			Say Rs. 6637.00	per Cu.M.			

Rate Analysis for 0.481 Cu.M. of Item:
RCC (1:1.5:3) for columns/ beams encasing etc.

Corresponding Item No. 27a of Section -XXII of MbPT SOR 2014
 New Item No. 27a of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Stone agg. -10mm	0.400	Cu.M.	898.31	359.32	1.	Mason II	1.000	No.	525.00	525.00	
2.	Cement	0.1924	MT	5762.73	1108.75	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Sand	0.207	Cu.M.	2994.92	619.95	3.	Bhisti	1.000	No.	478.85	478.85	
4.	Plasticizer (Polycrete NGT-	1.000	Lit.	101.70	101.70	Extra for shuttering & scaffolding:						
5.	Shuttering		Lumpsum		400.00	4.	Mazdoor-Male	1.600	No.	478.85	766.16	
6.	Sundries		Lumpsum		20.00	5.	Carpenter II	1.600	No.	525.00	840.00	
TOTAL (M) =Rs.					2609.72	TOTAL (L) =Rs.					3567.71	

Total of (M) + (L) =	(I)	= `	6177.43	Total = (I) + (II) =	(III)	= `	6832.46
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	617.74
Add: Allowance for PF @13.61% of (L)		= `	485.57	Grand Total	=	(III)+(IV)= `	7450.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	169.47	This is cost for	0.481	Cu.M.	
Total of allowances =	(II)	= `	655.03	Therefore, Unit cost	=		
				7450.20 ÷	0.481	=Rs.	15488.98
Cement = 8 bags per Cu.M.				Say Rs.	15489.00	per	Cu.M.

Rate Analysis for 1.0 Cu.M. of Item:
Extra over rate for admix corrosion inhibiting admixture Polyalk CP-293 or equivalent etc.

Corresponding Item No. 27b of Section -XXII of MbPT SOR 2014
 New Item No. 27b of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Polyalk CP-293	4.000	Lit	177.97	711.87							
TOTAL (M) =Rs.					711.87	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	711.87	Total = (I) + (II) =	(III)	= `	711.87
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	71.19
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	783.05
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	1.0	Cu.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				783.05	÷	1.0	=Rs. 783.05
				Say Rs. 783.00	per	Cu.M.	

Rate Analysis for 25.0 Nos. of Item:
Providing and fixing shear connector etc.

Corresponding Item No. 28 of Section -XXII of MbPT SOR 2014
 New Item No. 28 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	12mm dia. bar-200 long-'J'	0.0450	qntl.	4152.55	186.86	1.	Fitter II	1.000	No.	525.00	525.00	
2.	Epoxy mortar (Item No.12 above)	2.0000	Kgs.	92.93	185.86	2.	Mazdoor-Male	1.000	No.	478.85	478.85	
3.	Drilling holes incl. hire for machine (Market Enquiry)	25.000	Nos.	30.000	750.00							
4.	Sundries & scaffolding		Lumpsum		80.00							
TOTAL (M) =Rs.					1202.73	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	2206.58	Total = (I) + (II) =	(III)	= `	2390.89
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	220.66
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	136.62	Grand Total =	(III)+(IV)=	= `	2611.54
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	47.68	Grand Total =	(III)+(IV) =Rs.	=	2611.54
Total of allowances =	(II)	= `	184.31	This is cost for	25.0	Nos.	
				Therefore, Unit cost	2611.54	÷	25.0 =Rs. 104.46
Say Rs. 104.00				per each			

Rate Analysis for 10.000 Sq.M. of Item:
Providing & applying cement plaster (1:4) etc.
(a) 20 mm thick

Corresponding Item No. 29a of Section -XXII of MbPT SOR 2014
 New Item No. 29a of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.1215	MT	5762.73	700.17	1.	Mason I	2.000	No.	540.38	1080.76	
2.	Sand	0.320	Cu.M.	2994.92	958.38	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Scaffolding		Lumpsum		120.00	3.	Bhisti	2.000	No.	478.85	957.70	
4.	For finishing:											
4.	Cement	0.0150	MT	5762.73	86.44							
5.	Neeru	10.000	Kg.	6.78	67.80							
6.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1940.78	TOTAL (L) =Rs.					2996.16	

Total of (M) + (L) =	(I)	= `	4936.94	Total = (I) + (II) =	(III)	= `	5487.04
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	493.69
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	407.78	Grand Total	=	(III)+(IV)= `	5980.73
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	142.32	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	550.09	Therefore, Unit cost	5980.73	÷	10.00 =Rs. 598.07
			Say Rs. 598.00	per Sq.M.			

Rate Analysis for 10.000 Sq.M. of Item:
Providing & applying cement plaster (1:4) etc.
(b) 10 mm thick

Corresponding Item No. 29b of Section -XXII of MbPT SOR 2014
 New Item No. 29b of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.0482	MT	5762.73	277.76	1.	Mason I	1.000	No.	540.38	540.38	
2.	Sand	0.134	Cu.M.	2994.92	401.32	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Scaffolding		Lumpsum		100.00	3.	Bhisti	0.250	No.	478.85	119.71	
4.	For finishing:											
4.	Neeru	10.000	Kg.	6.78	67.80							
5.	Sundries		Lumpsum		5.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					851.88						1617.79	

Total of (M) + (L) =	(I)	= `	2469.67	Total = (I) + (II) =	(III)	= `	2766.70
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	246.97
Add: Allowance for PF @13.61% of (L)		= `	220.18	Grand Total	=	(III)+(IV)= `	3013.67
Add: Allowance for Employee' insurance @4.75% of (L)		= `	76.85	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	297.03	Therefore, Unit cost	3013.67	÷	10.00 =Rs. 301.37
			Say Rs. 301.00			per Sq.M.	

Rate Analysis for 10.0 Sq.M. of Item:
Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent etc.

Corresponding Item No. 29ci of Section -XXII of MbPT SOR 2014
 New Item No. 29ci of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	1.740	pouch	42.37	73.73							
TOTAL (M) =Rs.					73.73	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	73.73	Total = (I) + (II) =	(III)	= `	73.73
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's overheads & profit @10% of (I)	(IV)	= `	7.37
<u>Add</u> : Allowance for PF @13.61% of (L)		= `		Grand Total		(III)+(IV)= `	81.10
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	10.0	Sq.M.	
				Therefore, Unit cost		=	
				81.10	÷	10.0	=Rs. 8.11
Total of allowances =	(II)	= `					
			Say Rs. 8.00	per	Sq.M.		

Rate Analysis for 10.0 Sq.M. of Item:
Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent etc.

Corresponding Item No. 29cii of Section -XXII of MbPT SOR 2014
 New Item No. 29cii of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	0.870	pouch	42.37	36.86							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	

Total of (M) + (L) =	(I)	= `	36.86	Total = (I) + (II) =	(III)	= `	36.86
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3.69
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	40.55
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	40.55	÷	10.0 =Rs. 4.06
				Say Rs.	4.00	per	Sq.M.

Rate Analysis for 10.000 Sq.M. of Item:
IPS flooring of (1:2:4) C.C., 40mm thick etc.

Corresponding Item No. 30a of Section -XXII of MbPT SOR 2014
 New Item No. 30a of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Stone agg. -10-12.5mm	0.304	Cu.M.	898.31	273.09	1.	Mason I	1.000	No.	540.38	540.38	
2.	Cement	0.145	MT	5762.73	835.60	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Sand	0.200	Cu.M.	2994.92	598.98	3.	Bhisti	0.500	No.	478.85	239.43	
4.	Plasticizer (Polycrete NGT-	0.700	Lit.	101.70	71.19							
5.	Red oxide	0.0058	MT	11864.44	68.81							
6.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					1855.67	TOTAL (L) =Rs.					1737.51	

Total of (M) + (L) =	(I)	= `	3593.17	Total = (I) + (II) =	(III)	= `	3912.18
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	359.32
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	236.47	Grand Total	=	(III)+(IV)= `	4271.49
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	82.53	This is cost for	10.00	Sq.M.	
Total of allowances =	(II)	= `	319.01	Therefore, Unit cost	=		
				4271.49	÷	10.00	=Rs. 427.15
			Say Rs. 427.00	per Sq.M.			

Rate Analysis for 10.0 Sq.M. of Item:
Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent etc.

Corresponding Item No. 30b of Section -XXII of MbPT SOR 2014
 New Item No. 30b of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	3.000	pouch	42.37	127.12							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	

Total of (M) + (L) =	(I)	= `	127.12	Total = (I) + (II) =	(III)	= `	127.12
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	12.71
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	139.83
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				139.83	÷	10.0	=Rs. 13.98
				Say Rs. 14.00	per	Sq.M.	

Rate Analysis for 100.00 Sq.M. of Item:
Providing & applying sand faced plaster in two coats adding waterproofing compound etc.

Corresponding Item No. 31a of Section -XXII of MbPT SOR 2014
 New Item No. 31a of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Cement-30.4 bags	1.520	MT	5762.73	8759.35	1.	Mason I	20.00	No.	540.38	10807.60	
2.	Sand	3.048	Cu.M.	2994.92	9128.53	2.	Mazdoor-Male	30.00	No.	478.85	14365.50	
3.	Scaffolding	100.000	Sq.M.	94.00	9400.00	3.	Bhisti	10.00	No.	478.85	4788.50	
4.	Sundries		Lumpsum		50.00	4.	Extra for scaffolding: Mazdoor-Male	3.000	No.	478.85	1436.55	
TOTAL (M) =Rs.					27337.87	TOTAL (L) =Rs.					31398.15	

Total of (M) + (L) =	(I)	= `	58736.02	Total = (I) + (II) =	(III)	= `	64500.72
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	5873.60
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4273.29	Grand Total	=	(III)+(IV)= `	70374.33
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1491.41	This is cost for	100.0	Sq.M.	
Total of allowances =	(II)	= `	5764.70	Therefore, Unit cost	=		
				70374.33	÷	100.0	=Rs. 703.74
			Say Rs. 704.00			per Sq.M.	

Rate Analysis for 100.00 Sq.M. of Item:
Extra over rate for Item No.31(a) above for adding necessary waterproofing compound etc.

Corresponding Item No. 31b of Section -XXII of MbPT SOR 2014
 New Item No. 31b of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Waterproofing compound	30.000	Kgs.	46.61	1398.31							
TOTAL (M) =Rs.					1398.31	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	1398.31	Total = (I) + (II) =	(III)	= `	1398.31
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	139.83
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	1538.14
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	100.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				1538.14	÷	100.0	=Rs. 15.38
				Say Rs. 15.00	per	Sq.M.	

Rate Analysis for 100 Sq.M. of Item:
Extra over rate for adding admix shrinkage compensating admixture Sunplex (330 gms.) or equivalent etc.

Corresponding Item No. 31c of Section -XXII of MbPT SOR 2014
 New Item No. 31c of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sunplex (330 gms.)	30.400	pouch	42.37	1288.14							
TOTAL (M) =Rs.					1288.14	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	1288.14	Total = (I) + (II) =	(III)	= `	1288.14
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	128.81
Add: Allowance for PF @13.61% of (L)		= `		Grand Total	=	(III)+(IV)= `	1416.95
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	100.0	Sq.M.	
Total of allowances =	(II)	= `		Therefore, Unit cost	=		
				1416.95	÷	100.0	=Rs. 14.17
				Say Rs. 14.00	per	Sq.M.	

Rate Analysis for 10.00 Sq.M. of Item:
Removing existing IPS flooring etc.

Corresponding Item No. 32 of Section -XXII of MbPT SOR 2014
 New Item No. 32 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Mazdoor-Male	2.00	No.	478.85	957.70	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					20.00						957.70	

Total of (M) + (L) =	(I)	= `	977.70	Total = (I) + (II) =	(III)	= `	1153.53
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	97.77
Add: Allowance for PF @13.61% of (L)		= `	130.34	Grand Total	=	(III)+(IV)= `	1251.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	45.49	This is cost for	10.0	Sq.M.	
Total of allowances =	(II)	= `	175.83	Therefore, Unit cost	=		
				1251.30 ÷ 10.0	=Rs.	125.13	
			Say Rs.	125.00	per	Sq.M.	

Rate Analysis for 100.00 Mtrs. of Item:
Removing existing GI lines etc.

Corresponding Item No. 33 of Section -XXII of MbPT SOR 2014
 New Item No. 33 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Scaffolding		Lumpsum		180.00	1.	Plumber I	2.00	No.	540.38	1080.76	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	3.00	No.	478.85	1436.55	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					200.00						2517.31	

Total of (M) + (L) =	(I)	= `	2717.31	Total = (I) + (II) =	(III)	= `	3179.49
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	271.73
Add: Allowance for PF @13.61% of (L)		= `	342.61	Grand Total	=	(III)+(IV)= `	3451.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	119.57	This is cost for	100.0	Mtrs.	
Total of allowances =	(II)	= `	462.18	Therefore, Unit cost	=		
				3451.22	÷	100.0	=Rs. 34.51
			Say Rs.	35.00	per	Mtr.	

Rate Analysis for 80.00 Nos. of Item:
Removing existing tap of any size etc.

Corresponding Item No. 34 of Section -XXII of MbPT SOR 2014
 New Item No. 34 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Plumber I	2.00	No.	540.38	1080.76	
						2.	Mazdoor-Male	3.00	No.	478.85	1436.55	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					20.00						2517.31	

Total of (M) + (L) =	(I)	= `	2537.31	Total = (I) + (II) =	(III)	= `	2999.49
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	253.73
Add: Allowance for PF @13.61% of (L)		= `	342.61	Grand Total	=	(III)+(IV)= `	3253.22
Add: Allowance for Employee' insurance @4.75% of (L)		= `	119.57	This is cost for	80.0	Nos.	
Total of allowances =	(II)	= `	462.18	Therefore, Unit cost	3253.22	÷	80.0 =Rs. 40.67
			Say Rs. 41.00	per each			

Rate Analysis for 10.00 Sq.M. of Item:
Providing and laying waterproofing to bath/ w.c. etc.

Corresponding Item No. 35 of Section -XXII of MbPT SOR 2014
 New Item No. 35 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Cement-4 bags	0.200	MT	5762.73	1152.55	1.	Mason I	3.00	No.	540.38	1621.14	
2.	Sand	0.300	Cu.M.	2994.92	898.48	2.	Mazdoor-Male	4.00	No.	478.85	1915.40	
3.	Polycoat S.S.	4.000	Lits.	220.34	881.36							
4.	Stone agg.-10mm	0.300	Cu.M.	898.31	269.49							
5.	Brick bats	1.000	Cu.M.	1864.41	1864.41							
6.	Waterproofing compound	4.000	Kgs.	46.61	186.44							
7.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					5302.73	TOTAL (L) =Rs.					3536.54	

Total of (M) + (L) =	(I)	= `	8839.27	Total = (I) + (II) =	(III)	= `	9488.58
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	883.93
Add: Allowance for PF @13.61% of (L)		= `	481.32	Grand Total =	(III)+(IV)=	`	10372.50
Add: Allowance for Employee' insurance @4.75% of (L)		= `	167.99	This is cost for 10.0 Sq.M.			
Total of allowances =	(II)	= `	649.31	Therefore, Unit cost =			
				10372.50 ÷ 10.0	=Rs.		1037.25
			Say Rs. 1037.00	per Sq.M.			

Rate Analysis for 25.00 Mtrs. of Item:
Making groove in RCC structure 25 to 50mm deep using mechanical machine including scaffolding etc.

Corresponding Item No. 36 of Section -XXII of MbPT SOR 2014
 New Item No. 36 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for machine		Lumpsum		200.00	1.	Fitter I	1.00	No.	540.38	540.38	
2.	Scaffolding and working platform		Lumpsum		150.00	2.	Mazdoor-Male	2.00	No.	478.85	957.70	
3.	Plant & tools		Lumpsum		80.00							
4.	Sundries		Lumpsum		80.00							
TOTAL (M) =Rs.					510.00	TOTAL (L) =Rs.					1498.08	

Total of (M) + (L) =	(I)	= `	2008.08	Total = (I) + (II) =	(III)	= `	2283.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	200.81
Add: Allowance for PF @13.61% of (L)		= `	203.89	Grand Total	=	(III)+(IV)= `	2483.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `	71.16	This is cost for	25.0	Mtrs.	
Total of allowances =	(II)	= `	275.05	Therefore, Unit cost	=		
				2483.94	÷	25.0	=Rs. 99.36
			Say Rs. 99.00	per Mtr.			

Rate Analysis for 60.00 Nos. of Item:
Providing and fixing galvanised m.s. split bolts 20mm dia. 150mm long to the concrete/stone masonry including drilling holes using compressor, fixing with epoxy mortar etc.

Corresponding Item No. 37 of Section -XXII of MbPT SOR 2014
 New Item No. 37 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for compressor	1.000	Day	3220.35	3220.35		Epoxy mortar to be paid separately					
2.	Transport charges for compressor		Lumpsum		700.00							
3.	Operational charges	1.000	Day	423.73	423.73							
4.	Split bolt-20mm dia.-150 mm (Item No.12a, Section-XI)	60.000	Nos.	94.00	5640.00							
5.	Diesel charges		Lumpsum		1650.00							
6.	Oil charges		Lumpsum		150.00							
7.	Sundries		Lumpsum		350.00							
TOTAL (M) =Rs.					12134.08	TOTAL (L) =Rs.						

Total of (M) + (L) =	(I)	= `	12134.08	Total = (I) + (II) =	(III)	= `	12134.08
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1213.41
Add: Allowance for PF @13.61% of (L)		= `		Grand Total		=	(III)+(IV)= ` 13347.49
Add: Allowance for Employee' insurance @4.75% of (L)		= `		This is cost for	60.0	Nos.	
Total of allowances =	(II)	= `		Therefore, Unit cost	13347.49	÷	60.0 =Rs. 222.46
			Say Rs. 222.00	per each			

Rate Analysis for 6.00 Nos. of Item:
Providing and fixing in position grouting pipe by making hole using drilling machine in RCC member
fixing the grouting pipe using epoxy putty/ M-seal etc.

Corresponding Item No. 38 of Section -XXII of MbPT SOR 2014
 New Item No. 38 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Grout pipe	6.000	Nos.	10.55	63.31	1.	Mason I	0.50	No.	540.38	270.19	
2.	Hire charges for drilling machine		Lumpsum		50.00	2.	Mazdoor-Male	0.50	No.	478.85	239.43	
3.	M-seal to seal pipe	0.050	Kg.	275.42	13.77							
4.	Sundries		Lumpsum		30.00							
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					157.08						509.62	

Total of (M) + (L) =	(I)	= `	666.69	Total = (I) + (II) =	(III)	= `	760.26
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	66.67
Add: Allowance for PF @13.61% of (L)		= `	69.36	Grand Total	=	(III)+(IV)= `	826.93
Add: Allowance for Employee' insurance @4.75% of (L)		= `	24.21	This is cost for	6.0	Nos.	
Total of allowances =	(II)	= `	93.57	Therefore, Unit cost	826.93	÷	6.0 =Rs. 137.82
			Say Rs. 138.00	per each			

Rate Analysis for 3.00 Kgs. of Item:
Providing and grouting polymer, cement and water at ratio of 1:3:2 by weight and grout using hand grout machine etc.

Corresponding Item No. 39 of Section -XXII of MbPT SOR 2014
 New Item No. 39 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Polymer (Polyark EP)	1.000	Lit.	398.31	398.31	1.	Mason I	0.066	No.	540.38	35.67	
2.	Hire charges for machine		Lumpsum		20.00	2.	Mazdoor-Male	0.083	No.	478.85	39.74	
3.	Cement	0.003	MT	5762.73	17.29							
4.	Sundries		Lumpsum		8.00							
TOTAL (M) =Rs.					443.59	TOTAL (L) =Rs.					75.41	

Total of (M) + (L) =	(I)	= `	519.00	Total = (I) + (II) =	(III)	= `	532.85
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	51.90
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	10.26	Grand Total	=	(III)+(IV)= `	584.75
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3.58	This is cost for	3.0	Kgs.	
Total of allowances =	(II)	= `	13.85	Therefore, Unit cost	=		
				584.75	÷	3.0	=Rs. 194.92
			Say Rs. 195.00	per Kg. of cement			

Rate Analysis for 20.00 Mtrs. of Item:
Sealing the cracks in walls, RCC members etc. externally or internally at any floor level for the crack width up to 20mm etc.

Corresponding Item No. 40 of Section -XXII of MbPT SOR 2014
 New Item No. 40 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Polymer	1.200	Kg.	224.58	269.49	1.	Mason I	1.000	No.	540.38	540.38	
2.	Cement	0.005	MT	5762.73	28.81	2.	Mazdoor-Male	2.000	No.	478.85	957.70	
3.	Quartz sand	15.000	Kgs.	5.93	88.98							
4.	Scaffolding		Lumpsum		300.00							
5.	Sundries		Lumpsum		150.00							
TOTAL (M) =Rs.					837.29	TOTAL (L) =Rs.					1498.08	

Total of (M) + (L) = (I) = ` 2335.37 Total = (I) + (II) = (III) = ` 2610.42

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 233.54

Add: Allowance for PF @13.61% of (L) = ` 203.89 Grand Total = (III)+(IV)= ` 2843.95

Add: Allowance for Employee' insurance @4.75% of (L) = ` 71.16 This is cost for 20.0 Mtrs.
 Therefore, Unit cost = 2843.95 ÷ 20.0 =Rs. 142.20

Total of allowances = (II) = ` 275.05
Say Rs. 142.00 per Mtr.

1 batch of Polymer mortar (21 Kgs.) for 20 Mtrs. groove
 1 batch = Polymer = 1.20 Kg.; Cement = 5 Kgs.; Quartz sand = 15 Kgs.

Rate Analysis for 5.00 Mtrs. of Item:
Providing and applying black coloured epoxy putty such as M-seal or other approved brand etc.

Corresponding Item No. 41 of Section -XXII of MbPT SOR 2014
 New Item No. 41 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Black M-seal	0.250	Kg.	190.68	47.67	1.	Mazdoor-Male	0.200	No.	478.85	95.77	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					52.67	TOTAL (L) =Rs.					95.77	

Total of (M) + (L) =	(I)	= `	148.44	Total = (I) + (II) =	(III)	= `	166.02
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	14.84
Add: Allowance for PF @13.61% of (L)		= `	13.03	Grand Total	=	(III)+(IV)= `	180.87
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.55	This is cost for 5.0 Mtrs.			
Total of allowances =	(II)	= `	17.58	Therefore, Unit cost	=		
				180.87 ÷ 5.0	=Rs.		36.17
			Say Rs. 36.00	per Mtr.			

Rate Analysis for 5.00 Mtrs. of Item:
Providing and applying white coloured epoxy putty such as M-seal or other approved brand etc.

Corresponding Item No. 42 of Section -XXII of MbPT SOR 2014
 New Item No. 42 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	White M-seal	0.250	Kg.	199.15	49.79	1.	Mazdoor-Male	0.200	No.	478.85	95.77	
2.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					54.79	TOTAL (L) =Rs.					95.77	

Total of (M) + (L) =	(I)	= `	150.56	Total = (I) + (II) =	(III)	= `	168.14
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	15.06
Add: Allowance for PF @13.61% of (L)		= `	13.03	Grand Total	=	(III)+(IV)= `	183.20
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.55	This is cost for 5.0 Mtrs.			
Total of allowances =	(II)	= `	17.58	Therefore, Unit cost	=		
				183.20 ÷ 5.0	=Rs.		36.64
			Say Rs. 37.00	per Mtr.			

Rate Analysis for 3.00 Kgs. of Item:
Providing and grouting cement and water grout using hand grout machine etc.

Corresponding Item No. 43 of Section -XXII of MbPT SOR 2014
 New Item No. 43 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.003	MT	5762.73	17.29	1.	Mason I	0.063	No.	540.38	34.04	
2.	Hire charges for machine		Lumpsum		20.00	2.	Mazdoor-Male	0.083	No.	478.85	39.74	
3.	Grouting compound		Lumpsum		8.00							
4.	Sundries		Lumpsum		5.00							
TOTAL (M) =Rs.					50.29	TOTAL (L) =Rs.					73.79	

Total of (M) + (L) =	(I)	= `	124.08	Total = (I) + (II) =	(III)	= `	137.62
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	12.41
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	10.04	Grand Total	=	(III)+(IV)= `	150.03
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3.50	This is cost for 3.0 Kgs.			
Total of allowances =	(II)	= `	13.55	Therefore, Unit cost	=		
				150.03 ÷ 3.0	=Rs.		50.01
			Say Rs. 50.00	per Kg. of cement			

Rate Analysis for 6.75 Kgs. of Item:
Providing a lump free consistant slurry of rust passivating coating of 1 Kg. of Polyalk Fixoprime or equivalent etc.

Corresponding Item No. 44 of Section -XXII of MbPT SOR 2014
 New Item No. 44 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Polyalk Fixoprime	3.000	Kgs.	254.24	762.71	1.	Painter I	0.500	No.	540.38	270.19	
2.	Cement	3.750	Kgs.	5.763	21.61	2.	Mazdoor-Male	0.125	No.	478.85	59.86	
3.	Brushes, gloves etc.		Lumpsum		20.00							
4.	Sundries & carriage		Lumpsum		5.00							
TOTAL (M) =Rs.					809.32	TOTAL (L) =Rs.					330.05	

Total of (M) + (L) =	(I)	= `	1139.37	Total = (I) + (II) =	(III)	= `	1199.97
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	113.94
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	44.92	Grand Total	=	(III)+(IV)= `	1313.90
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	15.68	This is cost for 6.75 Kgs.			
Total of allowances =	(II)	= `	60.60	Therefore, Unit cost	=		
				1313.90 ÷ 6.75	=Rs.		194.65
			Say Rs. 195.00	per Kg.			

Rate Analysis for 0.40 Sq.M. of Item:
Providing and fixing double leaf window shutter with 2nd class teak wood rails and styles 38 mm thick etc.

Corresponding Item No. of Section -XXII of MbPT SOR 2014
 New Item No. 45 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Teak wood - 2nd class	0.01230	Cu.M.	63279.84	778.34	1.	Carpenter-I	0.250	No.	540.38	135.10	
2.	Oxidized iron hinges	2.000	Nos.	25.42	50.85	2.	Carpenter-II	0.250	No.	525.00	131.25	
3.	Oxidized iron handle	1.000	No.	8.47	8.47	3.	Mazdoor-Male	0.250	No.	478.85	119.71	
4.	Oxidized iron tower bolt	2.000	Nos.	8.47	16.95	4.	Maistry	0.250	No.	540.38	135.10	
5.	Screws - 40 mm	16.000	Nos.	72.03	1152.55							
6.	Screws - 25 mm	14.000	Nos.	63.56	889.83							
7.	Glass - 4 mm thick	0.800	Sq.M.	434.75	347.80							
8.	Sundries & carriage		Lumpsum		20.00							
TOTAL (M) =Rs.					3264.79	TOTAL (L) =Rs.					521.15	

Total of (M) + (L) = (I) = ` 3785.94
Add: Allowance for Water charges @1% of (I) = `
Add: Allowance for PF @13.61% of (L) = ` 70.93
Add: Allowance for Employee' insurance @4.75% of (L) = ` 24.75
 Total of allowances = (II) = ` 95.68

Total = (I) + (II) = (III) = ` 3881.63
Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 378.59
 Grand Total = (III)+(IV)= ` 4260.22

This is cost for 0.40 Sq.M.

Therefore, Unit cost =
 4260.22 ÷ 0.40 =Rs. 10650.55

Say Rs. 10651.00 per Sq.M.

Quantity of window shutter:
 Style & rails: 2X1.00X0.075X0.038 = 0.0057 Cu.M.
 2X0.275X0.60X0.02 = 0.0066 Cu.M.
 Total = ##### Cu.M.

Rate Analysis for 1.00 Lit. of Item:
Providing and applying two component epoxy zinc rich anti-corrosive coating of Corroseau ZR etc.

Corresponding Item No. of Section -XXII of MbPT SOR 2014
 New Item No. 46 of Section -XXII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Corroseau ZR M/s. Krishna Conchem Tel:022-27782923	1.000	Lit.	550.00	550.00	1.	Mason-II	0.100	No.	525.00	52.50	
2.	Tools, tackles & Sundries		Lumpsum		50.00	2.	Mazdoor-Male	0.100	No.	478.85	47.89	
TOTAL (M) =Rs.					600.00	TOTAL (L) =Rs.					100.39	

Total of (M) + (L) =	(I)	= `	700.39	Total = (I) + (II) =	(III)	= `	718.82
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	70.04
Add: Allowance for PF @13.61% of (L)		= `	13.66	Grand Total	=	(III)+(IV)= `	788.85
Add: Allowance for Employee' insurance @4.75% of (L)		= `	4.77	This is cost for	1.00	Lit.	
Total of allowances =	(II)	= `	18.43	Therefore, Unit cost	788.85	÷	1.00 =Rs. 788.85
			Say Rs. 789.00		per Lit.		

Rate Analysis for 10.00 Sq.M. of Item: **Cutting the RCC chajja of any thickness using mechanical cutting machine etc.**

Corresponding Item No. of Section -XXII of MbPT SOR 2014

New Item No. 47 of Section -XXII

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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in `	Sr. No.	Description	Qty.	Unit	Rate	Amount in `	
1.	Machine hire charges Mr.Aalam Mob: 9869180546	5.00	Day	950.00	4,750.00	1.	Breaker	5.000	Nos.	498.08	2490.40	
2.	Cutting blade etc. M/s.Vimal Traders Mob: 9420364896		Lumpsum		4,500.00	2.	Mason-I	3.000	Nos.	540.38	1621.14	
3.	Transportation	1.80	Cu.M.	476.00	856.79	3.	Fitter-I	2.000	Nos.	540.38	1080.76	
4.	Cutting reinforcement	1.60	Sq.M.	509.93	815.88	4.	Mazdoor-Male	14.000	Nos.	478.85	6703.90	
5.	Sundries		Lumpsum		300.00	5.	Muccadam	5.000	Nos.	540.38	2701.90	
6.	Cost of hessian cloth M/s.Vimal Traders Mob: 9420364896	36.00	Sq.M.	10.00	360.00							
7.	Ply wood for platform	3.00	Sq.M.	848.31	2,544.92							
8.	Kail wood	0.05	Cu.M.	17,711.07	885.55							
9.	Sundries		Lumpsum		200.00							
				Total 'A' =	11222.67							
B)	This material can be used 3 times on same work. Therefore, for one use	0.330	X	3990.48	1316.86							
				'B' =								
TOTAL (M) = 'A' + 'B' = `					12539.53	TOTAL (L) = `					14598.10	

Total of (M) + (L) = (I) = ` 27137.63 Total = (I) + (II) = (III) = ` 29817.84

Add: Allowance for Water charges @1% of (I) = ` Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2713.76

Add: Allowance for PF @13.61% of (L) = ` 1986.80 Grand Total = (III)+(IV)= ` 32531.61

This is cost for 10.00 Sq.M.

Add: Allowance for Employee' insurance @4.75% of (L) = ` 693.41 Therefore, Unit cost = 32531.61 ÷ 10.00 = ` 3253.16

Total of allowances = (II) = ` 2680.21 **Say ` 3253.00 per Sq.M.**

XXIII - Permanent Way Works(Railway Engg. Section)

All the Permanent Way materials viz.rails, sleepers and other fixtures shall be supplied by MbPT unless and otherwise specifically mentioned.			
Sr. No.	Item Description	Rate in `	Unit
1	Loading and unloading of stone ballast/ rubble/ aggregate/ stone dust/ sand/ murrum etc. by wagons, either at different intervals or along the track, with 50 Mtrs. lead and all lift involved for loading & unloading. The depot of the material is not to be made etc. complete.	920.00	Cu.M.
2	Loading/ unloading of stone ballast/ rubble (size upto 450 mm)/ aggregate (size upto 90 mm)/ stone dust/ sand/ murrum etc. by wagons either from stacks at different locations or from material lying along the tracks/ from wagons and making depots of material etc. with a lead of 50 Mtrs. and all lift etc. complete.		
	(a) for loading	508.00	Cu.M.
	(b) for unloading	508.00	Cu.M.
3	Loading/ unloading of serviceable/ unserviceable/ old rails, crossings, stock rails, tongue rails etc. of any size and section into wagons either from stack of rails or from rails lying along the tracks/ from wagons and stacking the material etc. with 100 Mtrs. lead and all lift etc. complete (Note: One crossing will be considered equal to one 13 metres of rail).		
	(a) for loading	86.00	Mtr.
	(b) for unloading	86.00	Mtr.
4	Loading into wagons the standard line serviceable wooden/ steel/ CI sleepers either from the stack of sleepers or from sleepers lying along the tracks with 50 Mtrs. lead and all lift etc. complete.	44.00	Each
5	Unloading from wagons the standard line serviceable wooden/ steel/ CI sleepers including stacking them into stacks of not more than 15 Nos. of sleepers per stack with 50 Mtrs. lead and all lift etc. complete.	64.00	Each
6	Loading into wagons the new/ old/ serviceable/ unserviceable crossing sleepers either from the stack of sleepers or from sleepers lying along the tracks with 50 Mtrs. lead and all lift etc. complete.	52.00	Each

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
7	Unloading from wagons the new/ old/ serviceable/ unserviceable crossing sleepers including stacking them into stacks of not more than 15 Nos. of sleepers per stack with 50 Mtrs. lead and all lift etc. complete.	72.00	Each
8	Loading into wagons the standard line old/ unserviceable wooden/ steel/ CI sleepers either from the stack of sleepers or from sleepers lying along the tracks with 50 Mtrs. lead and all lift etc. complete.	40.00	Each
9	Unloading from wagons the standard line old/ unserviceable wooden/ steel/ CI sleepers including stacking them into stacks of not more than 15 Nos. of sleepers per stack with 50 Mtrs. lead and all lift etc. complete.	61.00	Each
10	Loading into wagons the mono block concrete sleepers either from the stack of sleepers or from sleepers lying along the tracks with 50 Mtrs. lead and all lift etc. complete.	236.00	Each
11	Unloading from wagons the mono block concrete sleepers including stacking them into stacks of not more than 10 Nos. of sleepers per stack with 50 Mtrs. lead and all lift etc. complete.	279.00	Each
12	Loading into wagons excavated earth/ debris/ kutchra/ refuse, etc. either from the stacks along the railway track or from the heaps of the accumulated debris lying along the track/ unloading from wagons including levelling the area properly etc. with a lead of 50 Mtrs. and all lift etc. complete.		
	(a) for loading	524.00	Cu.M.
	(b) for unloading	524.00	Cu.M.
13	Loading debris/ kutchra/ refuse etc. mixed with night soil into railway wagons either from the stacks along the railway track or from the heaps of the accumulated debris lying along the track/ unloading from wagons and spread uniformly over the area with a lead of 50 Mtrs. and all lift etc. complete.		
	(a) for loading	598.00	Cu.M.
	(b) for unloading	598.00	Cu.M.

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
14	Transport anywhere in MbPT Estate by lorries monoblock concrete sleepers including loading and unloading with a lead of 50 Mtrs. and all lift including stacking the sleepers in stacks, each stack of not more than 10 sleepers, etc. complete (Note: Distance of removal is from any point between Ballard Pier and Raoli Junction).	545.00	Each
15	Laying & assembly of turnout (1 in 8 1/2 or 1 in 12) on wooden/ steel/ CI sleepers in position in straight or curved or on the existing alignment as per specified drawing inclusive of all fittings, cutting, drilling, fixing bearing plates & packing the crossing sleepers to the specified gauge & level etc. complete (Note: The rate is inclusive of transport of small fittings & fixtures from MbPT Railway Stores to site. Transporting of rails & sleepers will be paid separately).		
	(a) 90R/ 52kg.	83,908.00	Set
	(b) 75R/ 75 lbs.	65,627.00	Set
16	Laying & assembly of turnout 90R/ 52kg. (1 in 8 1/2 or 1 in 12) on wooden/ steel/ CI sleepers including checkrailing of the whole assembly in position in straight or curved or on the existing alignment as per specified drawing inclusive of all fittings, cutting, drilling, fixing bearing plates & packing the crossing sleepers to the specified gauge & level etc. complete (Note: The rate is inclusive of transport of small fittings & fixtures from MbPT Railway Stores to site. Transporting of rails & sleepers will be paid separately).		
	(a) 90R/ 52kg.	136,454.00	Set
	(b) 75R/ 75 lbs.	105,971.00	Set
17	Dismantling of turnout in open (1 in 8 1/2 or 1 in 12) on wooden/ steel/ CI sleepers, removing the crossing sleepers, levelling the formation and stacking the released materials in MbPT Railway Engg. stores etc. complete as directed.	25,390.00	Set
18	Dismantling of turnout in paved & checkrailed (1 in 8 1/2 or 1 in 12) on wooden/ steel/ CI sleepers, removing the crossing sleepers, levelling the formation and stacking the released materials in	26,723.00	Set

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	MbPT Railway Engg. Stores etc. complete as directed.		
19	Assembling, fixing & erecting standard buffer stop with rails, gusset plates, buffer blocks etc. including all cutting, drilling, bending, necessary spreading of ballast etc. also including the transport of all fixtures and fittings of the buffer stop from MbPT Railway Stores to the site etc. complete as directed. The ballast will be supplied by MbPT at a lead of 50 Mtrs.	13,042.00	Set
20	Dismantling of buffer stop including separating all fixtures and fastenings etc. transporting all the dismantled materials to MbPT Railway Stores etc. complete as directed.	1,838.00	Set
21	Dismantling and removing the existing MbPT B.G. Railway tracks in open including necessary excavation in any strata upto the required depth including dismantling and seperating rails, sleepers (wooden/ steel), fish-plates, fish-bolts, dog-spikes, steel keys, bearing plates and other fixtures and fastenings including cutting rails, bolts etc. cleaning them free of any materials including stacking and transporting the dismantled materials to MbPT Rly. stores/ yard as directed etc. complete (Note: The railway tracks are generally in foul areas covered with night soil, garbage, kutchra etc. Before starting the work the contractors shall engage his own sweepers/ labour for cleaning these foul areas and for which no extra payment shall be made to the contractors. The rate under this item is inclusive of all such expenditure).	488.00	Track Mtr.
22	Dismantling and removing the existing MbPT B.G. Railway tracks in paved area including necessary excavation in any strata upto the required depth including dismantling and seperating rails, sleepers (wooden/ steel), fish-plates, fish-bolts, dog-spikes, steel keys, bearing plates and other fixtures and fastenings including cutting rails, bolts etc. cleaning them free of any materials including stacking and transporting the dismantled materials	703.00	Track Mtr.

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	to MbPT Rly. stores/ yard as directed etc. complete (Note: The railway tracks are generally in foul areas covered with night soil, garbage, kutchra etc. Before starting the work the contractors shall engage his own sweepers/ labour for cleaning these foul areas and for which no extra payment shall be made to the contractors. The rate quoted by the contractors under this item deemed to be inclusive of such expenditure).		
23	Removing and inserting 52Kg./ 90 R/ 75R free rails with all necessary fittings & fixtures on existing wooden/ steel/ CI sleepers at any density, linking the rails with fish plates and fastenings, levelling & gauging etc. complete. Transport of old/ new rails from and to MbPT Railway Stores will be paid separately.	99.00	Mtr.
24	Removing 52Kg./ 90R/ 75R rails from the track including separating all fittings & fixtures, cutting of rails or bolts, if required, cleaning of rails, stacking the dismantled materials at a lead of 50 Mtrs. etc. complete (Transport of dismantled materials to MbPT Railway Stores will be paid separately).	39.00	Mtr.
25	Inserting 52Kg./ 90R/ 75R free rails with all necessary fittings & fixtures on existing wooden/ steel/ CI sleepers at any density, linking the rails with fish plates and fastenings, levelling & gauging etc. complete (Transport of old/ new rails from and to MbPT Railway Stores will be paid separately).	61.00	Mtr.
26	Removing 52Kg./ 90R/ 75R rails from check railed track including separating all fittings & fixtures, cutting of rails or bolts, if required, cleaning of rails, stacking the dismantled materials at a lead of 50 Mtrs. etc. complete excluding the transport of dismantled materials to MbPT Railway Stores.	53.00	Mtr.
27	Inserting 52Kg./ 90R/ 75R free rails in check railed tracks with all necessary fittings & fixtures on existing wooden/ steel/ CI sleepers at any density, linking the rails with fish plates and fastenings, levelling & gauging etc. complete	59.00	Mtr.

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	excluding the transport of old/ new rails from and to MbPT Railway Stores.		
28	Pulling back of rails (Creep adjustment) of 150 mm including squaring of sleepers removing & re-fixing dog spikes, keys, etc. cutting, drilling holes, linking the rails, fixing fish plates, oiling rail joints, re-fixing creep etc. complete.	125.00	Track Mtr.
29	Laying/ linking of track complete with rails, sleepers, fastenings including rail cutting and drilling holes wherever necessary gauging, lifting, levelling packing with two rounds, aligning with all lead and lift complete as directed. All fixtures such as dog spikes, bearing plates, steel keys etc. will be supplied by MbPT at MbPT Stores and the rate shall include transporting of such fixtures etc. (Transporting of rails and sleepers only will be paid separately under relevant items).	1,816.00	Track Mtr.
30	Fixing of check rails of any section on existing track on wooden sleepers including drilling of holes at 1 Mtr. interval on both main & check rails, joining of check rails with fish plates, distance blocks and bolts, cutting of rails wherever necessary changing of existing bearing plates with check plates, plugging of old holes etc. including transport of fittings & fixtures to site from MbPT Railway Stores. (Transport of rails will be paid separately under relevant item).	993.00	Track Mtr.
31	Cleaning checkrail channels with scrappers etc. removing the debris, kutchra, etc. from the channels and collecting the same in heaps and transport by carts/ other mode to suitable sites within a lead of 100 Mtrs. as directed etc. complete.	26.00	Track Mtr.
32	Spreading ballast on the railway tracks from ballast depots with a lead of 100 Mtrs. and all lift etc. complete.	345.00	Cu.M.
33	Screening of the ballast including removing the ballast from the permanent way either by rakes or manually upto a depth of 80 mm below the sleeper bottom, screen it by means of suitable screens so as to remove all the fine sizes, earth, etc.	187.00	Sq.M.

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	separate from the coarse ballast including making depots of the salvaged ballast and making heaps of the discarded fines and debris etc. with a lead of 50 Mtrs. and all lift etc. complete as directed.		
34	First round of through packing of existing track on wooden/ steel/ CI sleepers including spacing of sleepers, squaring, gauging, spiking, aligning, levelling & carting, lifting & packing, giving a general lift as desired to eliminate bays on second day of deep screening and including re-packing of joint sleepers dressing & boxing of ballast profile etc. complete.	159.00	Track Mtr.
35	Second round of through packing of existing track on wooden/ steel/ CI sleepers including spacing of sleepers, squaring, gauging, spiking, aligning, levelling & carting, lifting & packing, giving a general lift as desired to eliminate bays on second day of deep screening and including re-packing of joint sleepers dressing & boxing of ballast profile etc. complete so as to make the track fit for a speed of 30 Kmph.	113.00	Track Mtr.
36	Cutting of rails 75lbs/ 75R/ 90R/ 52Kgs. perfectly to full depth with contractor's hacksaw blade and tools at site/ depot/ yard.	703.00	Cut
37	Cutting of foot of rails by gas cutting or any other approved method (for check rails) with contractor's tools & plant at site or at store.	552.00	Mtr.
38	Drilling of 32 mm dia. holes in rails of all section either manually or by drilling machine to correct spacing specified by the Engineer.	329.00	Each
39	Removing from the permanent way standard line wooden/ steel/ CI sleepers alongwith fittings & fixtures for renewals including excavation upto the required depth in any strata and stacking the surplus excavated material neatly near the site (lead 50 Mtrs.), transporting the fitting & fixtures to MbPT Railway Stores and stacking the sleepers etc. as directed within a lead of 100 Mtrs.		

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	Transport of sleepers to MbPT Railway Stores will be paid separately under the relevant item.		
	(a) renewals not involving deep screening	103.00	Each
	(b) renewals involving deep screening	87.00	Each
40	Extra over rate for Item Nos.39 (a) or (b) above for the removal of crossing sleepers of any size from the track.	53.00	Each
41	Inserting in the railway tracks wooden/ steel/ CI sleepers, fixing them to the rails in the permanent way with fittings and fixtures including auguring in wooden sleepers for spikes, screws etc. plugging old holes, fixing bearing plates wherever necessary including carrying out through ballast, packing with new ballast or available ballast (lead 50 Mtrs.) including dressing of the ballast etc. complete (Note: Insertion of sleepers will be considered as through sleeper renewal if sleepers of more than 13 Mtrs. continuous track is being inserted. All fixtures such as dog spikes, steel keys, bearing plates, etc. will be supplied by MbPT at MbPT Railway Stores. The rate is inclusive of transport of these fixtures and fittings to site from MbPT Railway Stores. Transport of sleepers from Stores to site will be paid separately under relevant item).		
	(a) for through sleeper renewal	136.00	Each
	(b) for casual renewal	155.00	Each
42	Extra over rate for Item Nos.41 (a) or (b) above for insertion of crossing sleepers of any size.	105.50	Each
43	Removing from the permanent way mono block concrete sleepers for through sleeper renewal/ casual renewal alongwith fittings & fixtures for renewals including excavation upto the required depth in any strata and stacking the surplus excavated materials neatly near the site (lead 50 Mtrs.), transporting the fittings & fixtures to MbPT Railway Stores and stacking the sleepers etc. as directed within a lead of 100 Mtrs. Transport of		

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	sleepers to MbPT Railway Stores will be paid separately under the relevant item.		
	(a) for through sleeper renewal not involving deep screening	276.00	Each
	(b) for through sleeper renewal/ casual renewal involving deep screening	158.00	Each
44	Inserting in the railway tracks mono block concrete sleepers for through or casual sleeper renewal, fixing them to the rails in the permanent way with fittings and fixtures including fixing liners & pandral clips in proper position and gauging perfectly including carrying out through ballast packing with new ballast or available ballast (lead 50 Mtrs.) including dressing of the ballast etc. complete (Note: All fixtures such as liners, pandral clips, etc. will be supplied by MbPT at MbPT Railway Stores. The rate is inclusive of transport of these fixtures and fittings to site from MbPT Railway Stores. Transport of sleepers from Stores to site will be paid separately).	412.00	Each
45	Lifting of existing track consisting of any track structure other than concrete sleepers in open upto height of 6" including spreading of ballast from existing ballast or ballast supplied by MbPT within a lead of 100 Mtrs. including one round of packing, aligning, squaring of sleepers, gauging, boxing, etc. complete (Note: This item may be operated on paved track. For this the contractor will be paid necessary excavation under relevant item).	439.00	Track Mtr.
46	Squaring of sleepers wooden/ steel/ CI including spiking, putting keys, replacing bearing plates if necessary, plugging of old holes with wooden plug etc. complete as directed.	59.00	Each
47	Lubricating rail joint of any section by removing all bolts & nuts etc. complete (Lubricating oil will be supplied by MbPT free of cost from Rly. Engg. Stores).	81.00	Joint
48	Lubricating point & crossing assembly by removing all the kutchra, dust and cleaning switch portion etc. complete.	205.00	Set

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
49	Unloading of standard line wooden sleepers from the lorries and stacking as directed within the lead of 100 Mtrs. etc. complete.	71.00	Each
50	Laying B.G. Railway Track with checkrails in required alignment and level including transporting within site (lead 100 Mtrs.), main rails and checkrails including cleaning the release rails free from oil, asphalt and dust and fixing fish plates, bolts including cutting rails, drilling holes in main and check rails at every 1 Mtr. interval or as directed, oiling rail joints, fish plates and all types of bolts, aligning and levelling track by supporting wooden sleepers at suitable interval, fixing rails with dog spikes at proper gauge and removing wooden sleepers when directed and transporting the same to MbPT Railway Engg. Stores etc. complete (Note: All the permanent way fittings like fish plates, bolts etc. will be supplied at MbPT Rly. Engg. Stores, free of cost. Rails will be supplied free of cost and will be transported under the relevant item in the tender).	1,950.00	Track Mtr.
51	Transport of rails of 75R, 75lbs or 90R by lorries in pieces or in full length including switches and crossings and loading and unloading into and from lorries in MbPT area from Raoli Junction to Ballard Pier or as directed (Note: Crossing will be measured as 13.00 Mtrs. length).	88.00	Mtr.
52	Transport by lorries ballast stones including loading and unloading within lead of 100 Mtrs. etc. complete (Transport of ballast will be done within MbPT Estate from Ballard Pier to Raoli Junction).	338.00	Cu.M.
53	Transport by lorries standard lines wooden or steel sleepers including loading and unloading into/ from lorries within lead of 100 Mtrs. etc. complete (Transporting will be done in MbPT estate).	82.00	Each
54	Dismantling and removing the existing Railway track in unpaved area/ sub- strata including necessary excavation in any strata upto the required depth including dismantling and separating rails, sleepers (wooden/ steel), fish plates, fish bolts, dog spikes, steel keys bearing	288.00	Mtr.

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	plates and other fixtures and fastenings inclusive of cutting rails, bolts etc. cleaning them free of any materials including stacking and transporting the dismantled materials to MbPT railway store yard as directed etc. complete.		
55	Providing and fixing m.s. plate with nuts and bolts to rail joints etc. complete.	2,539.00	Joint
56	Providing and fixing m.s. nuts and bolts 100 mm long to rails etc. complete.	152.00	Each
57	Dismantling and removing the existing MbPT B.G. Railway tracks on concrete sleepers in open including necessary excavation in any strata upto the required depth including dismantling and separating rails, concrete sleepers, fish plates, fish bolts, and other fixtures and fastenings etc. including cutting rails, bolts etc. cleaning them free of any materials including stacking & transporting the dismantled materials to MbPT Railway store/ yard etc. complete as directed (Note: (i) The railway tracks are generally in foul area covered with night soil garbage, kutchra etc. Before starting the work, the contractors shall engage his own sweepers for cleaning these foul areas and for which no extra payment shall be made to the contractors. The rate under this item is inclusive of all such incidental expenditures and (ii) If the materials released are not required to be transported to stores a rebate of Rs.14.00 per R.M. for rails and Rs.15.00 per each sleeper will be deducted from the rate put to tender).	738.00	Track Mtr.
58	First round of through packing of existing track on concrete sleepers including spacing of sleepers, squaring, gauging, spiking, aligning, leveling, lifting & packing, giving a general lift as desired and including repacking of joints sleepers dressing and boxing of ballast profile etc. complete as directed.	198.00	Track Mtr.
59	Second round of through packing of existing track on concrete sleepers including spacing of sleepers, squaring, gauging, spiking, aligning, leveling, lifting & packing, giving a general lift as desired and	161.00	Track Mtr.

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	including repacking of joints, sleepers, dressing and boxing of ballast profile etc. complete so as to make the track fit for a speed of 30 Kmph.		
60	Cleaning and collection of kutchra/ industrial and domestic garbage/ dead bodies of stray dogs/ night soil/ sweepings from the MbPT Railway Tracks and adjacent area including cleaning adjacent gutters, drainage etc. and transporting and stacking the debris/ kutchra in heaps along railway tracks or any other related work as directed (Note: Cleaning and collection of kutchra shall be done on occasion basis by deploying 5 male mazdoors per occasion for full day).	3,095.00	Occasion
61	Oiling, removing carefully and re-fixing the pandrol clips, metal/ nylon liners on concrete sleepers to have correct gauge including fixing new pandrol clips and metal/ nylon liners wherever required as directed. New pandrol clips, metal/ nylon liners, lube oil for oiling the clips shall be supplied at PWI's stores and transporting the same to the work place shall be contractor's responsibility for which no extra payment will be made.	77.00	Track Mtr.
62	Checking guages cross levels of tracks on wooden/ concrete sleeper track using contractor's own gauge and levels including all points and crossing and submitting the report as per proforma to J.E. in Raoli area on first of every month.	3,945.00	Occasion
63	Attending rail fracture including supplying of gas cutter set with welder for gas cutting of plates, fixtures and fastener, making holes, wherever required in MbPT estate as directed.	1,861.00	Job
64	Dismantling of turnout in open (1 in 8 ½ or 1 in 12) on concrete sleepers, removing the concrete sleepers leveling the formation and stacking the released materials in MbPT Railway Engg. Stores or as directed.	46,684.00	Set
65	Laying & assembly of turnout 52 kg. (1 in 8 ½ or 1 in 12) on concrete Sleepers in position in straight or curved or on the existing alignment as per specified drawing inclusive of all fittings, cutting, drilling, fixing bearing plates & packing the crossing	138,513.00	Set

XXIII - Permanent Way Works(Railway Engg. Section)

Sr. No.	Item Description	Rate in `	Unit
	sleepers to the specified gauge & level (Note: The rate is inclusive of transport of small fittings & fixtures from MbPT Railway Stores to site. Transporting of rails & sleepers will be paid separately).		
66	Uprooting rank vegetation such as all types of shrubs, undergrowth grass, all sort of creepers, plants, lump of shrubs etc. (Grownup upto 3 feet height) in Railway limits and any place outside Port Trust Estates and dispose it off in any manner as the contractor may desire and leave the site clear etc. complete as directed.	15.80	Sq.M.
67	Cutting of tree branches obstructing Railway, removing the same away from Railway tracks at lead of 200 m etc. complete as directed.	4,569.00	Occasion
68	Supply and spreading over the areas 'weedicide' of approved manufacturer and brand after cutting the vegetation as directed by Engineer In-charge (Note: (i)Required spray pump/ hand gloves/ masks etc. along with measuring flasks shall be procured by contractor. (ii)Due care shall be taken while spraying the 'weedicide' by the person handling as it could be poisonous and could be fatal if not handled properly. (iii)'Weedicide' shall be procured from Government authorised approved dealer).	0.90	Sq.M.
69	Removing of seized ERC from MCI inserts of existing track after heating the insert by oxyacetylene. Due care shall be taken to ensure no damage to the sleeper. Rate includes re-fixing of ERC with greasing of insert eye and the ERC (Grease will be supplied by Railway Engg. Division, MbPT).	26.00	Each

Rate Analysis for 25.00 Cu.M. of Item:
Loading and unloading of ballast by wagon excluding stacking etc.

Corresponding Item No. 1 of Section -XXIII of MbPT SOR 2014
 New Item No. 1 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		80.00	1.	Muccadam	2.00	Nos.	540.38	1080.76	
						2.	Mazdoor-Male	35.00	Nos.	478.85	16759.75	
TOTAL (M) =Rs.					80.00	TOTAL (L) =Rs.					17840.51	

Total of (M) + (L) =	(I)	= `	17920.51	Total = (I) + (II) =	(III)	= `	21196.03
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1792.05
Add: Allowance for PF @13.61% of (L)		= `	2428.09	Grand Total	=	(III)+(IV)= `	22988.08
Add: Allowance for Employee' insurance @4.75% of (L)		= `	847.42	This is cost for	25.00	Cu.M.	
Total of allowances =	(II)	= `	3275.52	Therefore, Unit cost	=		
				22988.08	÷	25.00	=Rs. 919.52
			Say Rs. 920.00		per Cu.M.		

Rate Analysis for 50.0 Cu.M. of Item:
Loading/ unloading of ballast in wagon etc.
(a) For loading

Corresponding Item No. 2a of Section -XXIII of MbPT SOR 2014
 New Item No. 2a of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	2.000	Nos.	540.38	1080.76	
						2.	Mazdoor-Male	39.000	Nos.	478.85	18675.15	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					19755.91	

Total of (M) + (L) =	(I)	= `	19805.91	Total = (I) + (II) =	(III)	= `	23433.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1980.59
Add: Allowance for PF @13.61% of (L)		= `	2688.78	Grand Total	=	(III)+(IV)= `	25413.69
Add: Allowance for Employee' insurance @4.75% of (L)		= `	938.41	This is cost for	50.0	Cu.M.	
Total of allowances =	(II)	= `	3627.19	Therefore, Unit cost	=		
				25413.69	÷	50.0	=Rs. 508.27
			Say Rs. 508.00	per Cu.M.			

Rate Analysis for 50.0 Cu.M. of Item:
Loading/ unloading of ballast in wagon etc.
(b) For unloading

Corresponding Item No. 2b of Section -XXIII of MbPT SOR 2014
 New Item No. 2b of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	2.000	Nos.	540.38	1080.76	
						2.	Mazdoor-Male	39.000	Nos.	478.85	18675.15	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					19755.91	

Total of (M) + (L) =	(I)	= `	19805.91	Total = (I) + (II) =	(III)	= `	23433.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1980.59
Add: Allowance for PF @13.61% of (L)		= `	2688.78	Grand Total	=	(III)+(IV)= `	25413.69
Add: Allowance for Employee' insurance @4.75% of (L)		= `	938.41	This is cost for	50.0	Cu.M.	
Total of allowances =	(II)	= `	3627.19	Therefore, Unit cost	=		
				25413.69	÷	50.0	=Rs. 508.27
			Say Rs. 508.00	per Cu.M.			

Rate Analysis for 260.0 Mtrs. of Item:
Loading/ unloading rails into wagons etc.
(a) For loading

Corresponding Item No. 3a of Section -XXIII of MbPT SOR 2014
New Item No. 3a of Section -XXIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	2.000	Nos.	540.38	1080.76	
						2.	Mazdoor-Male	34.000	Nos.	478.85	16280.90	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					17361.66	

Total of (M) + (L) =	(I)	= `	17411.66	Total = (I) + (II) =	(III)	= `	20599.26
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1741.17
Add: Allowance for PF @13.61% of (L)		= `	2362.92	Grand Total	=	(III)+(IV)= `	22340.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	824.68	This is cost for 260.0 Mtrs.			
Total of allowances =	(II)	= `	3187.60	Therefore, Unit cost	=		
				22340.43 ÷ 260.0	=Rs.		85.92
			Say Rs. 86.00	per Mtr.			

Rate Analysis for 260.0 Mtrs. of Item:
Loading/ unloading rails into wagons etc.
(b) For unloading

Corresponding Item No. 3b of Section -XXIII of MbPT SOR 2014
 New Item No. 3b of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	2.000	Nos.	540.38	1080.76	
						2.	Mazdoor-Male	34.000	Nos.	478.85	16280.90	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					17361.66	

Total of (M) + (L) =	(I)	= `	17411.66	Total = (I) + (II) =	(III)	= `	20599.26
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1741.17
Add: Allowance for PF @13.61% of (L)		= `	2362.92	Grand Total	=	(III)+(IV)= `	22340.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	824.68	This is cost for	260.0	Mtrs.	
Total of allowances =	(II)	= `	3187.60	Therefore, Unit cost	=		
				22340.43	÷	260.0	=Rs. 85.92
			Say Rs. 86.00			per Mtr.	

Rate Analysis for 400.0 Nos. of Item:
Loading of standard line serviceable wooden/ steel/ CI sleepers in wagons etc.

Corresponding Item No. 4 of Section -XXIII of MbPT SOR 2014
 New Item No. 4 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	2.000	Nos.	540.38	1080.76	
						2.	Mazdoor-Male	26.000	Nos.	478.85	12450.10	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					13530.86	

Total of (M) + (L) =	(I)	= `	13580.86	Total = (I) + (II) =	(III)	= `	16065.13
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1358.09
Add: Allowance for PF @13.61% of (L)		= `	1841.55	Grand Total	=	(III)+(IV)= `	17423.21
Add: Allowance for Employee' insurance @4.75% of (L)		= `	642.72	This is cost for 400.0 Nos.			
Total of allowances =	(II)	= `	2484.27	Therefore, Unit cost	=		
				17423.21 ÷	400.0	=Rs.	43.56
			Say Rs. 44.00	per each			

Rate Analysis for 400.0 Nos. of Item:
Unloading of standard line serviceable wooden/ steel/ CI sleepers from wagons including stacking etc.

Corresponding Item No. 5 of Section -XXIII of MbPT SOR 2014
 New Item No. 5 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	3.000	Nos.	540.38	1621.14	
						2.	Mazdoor-Male	38.000	Nos.	478.85	18196.30	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					19817.44	

Total of (M) + (L) =	(I)	= `	19867.44	Total = (I) + (II) =	(III)	= `	23505.92
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1986.74
Add: Allowance for PF @13.61% of (L)		= `	2697.15	Grand Total	=	(III)+(IV)= `	25492.67
Add: Allowance for Employee' insurance @4.75% of (L)		= `	941.33	This is cost for 400.0 Nos.			
Total of allowances =	(II)	= `	3638.48	Therefore, Unit cost	=		
				25492.67 ÷	400.0	=Rs.	63.73
			Say Rs. 64.00	per each			

Rate Analysis for 250.0 Nos. of Item:
Loading of serviceable crossing sleepers in wagons etc.

Corresponding Item No. 6 of Section -XXIII of MbPT SOR 2014
 New Item No. 6 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	1.000	Nos.	540.38	540.38	
						2.	Mazdoor-Male	20.000	Nos.	478.85	9577.00	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					10117.38	

Total of (M) + (L) =	(I)	= `	10167.38	Total = (I) + (II) =	(III)	= `	12024.93
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1016.74
Add: Allowance for PF @13.61% of (L)		= `	1376.98	Grand Total	=	(III)+(IV)= `	13041.67
Add: Allowance for Employee' insurance @4.75% of (L)		= `	480.58	This is cost for 250.0 Nos.			
Total of allowances =	(II)	= `	1857.55	Therefore, Unit cost	=		
				13041.67 ÷	250.0	=Rs.	52.17
			Say Rs. 52.00	per each			

Rate Analysis for 250.0 Nos. of Item:
Unloading of serviceable crossing sleepers from wagons including stacking etc.

Corresponding Item No. 7 of Section -XXIII of MbPT SOR 2014
 New Item No. 7 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	2.000	Nos.	540.38	1080.76	
						2.	Mazdoor-Male	27.000	Nos.	478.85	12928.95	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					14009.71	

Total of (M) + (L) =	(I)	= `	14059.71	Total = (I) + (II) =	(III)	= `	16631.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1405.97
Add: Allowance for PF @13.61% of (L)		= `	1906.72	Grand Total	=	(III)+(IV)= `	18037.86
Add: Allowance for Employee' insurance @4.75% of (L)		= `	665.46	This is cost for	250.0	Nos.	
Total of allowances =	(II)	= `	2572.18	Therefore, Unit cost		=	
				18037.86	÷	250.0	=Rs. 72.15
			Say Rs. 72.00		per each		

Rate Analysis for 400.0 Nos. of Item:
Loading of old/ unserviceable, wooden/ steel/ CI sleepers of any size in wagons etc.

Corresponding Item No. 8 of Section -XXIII of MbPT SOR 2014
 New Item No. 8 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	2.000	Nos.	540.38	1080.76	
						2.	Mazdoor-Male	24.000	Nos.	478.85	11492.40	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					12573.16	

Total of (M) + (L) =	(I)	= `	12623.16	Total = (I) + (II) =	(III)	= `	14931.59
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1262.32
Add: Allowance for PF @13.61% of (L)		= `	1711.21	Grand Total	=	(III)+(IV)= `	16193.91
Add: Allowance for Employee' insurance @4.75% of (L)		= `	597.23	This is cost for	400.0	Nos.	
Total of allowances =	(II)	= `	2308.43	Therefore, Unit cost	=		
				16193.91	÷	400.0	=Rs. 40.48
			Say Rs. 40.00		per each		

Rate Analysis for 400.0 Nos. of Item:
Unloading of old/ unserviceable wooden/ steel/ CI sleepers of any size from wagons including stacking etc.

Corresponding Item No. 9 of Section -XXIII of MbPT SOR 2014
 New Item No. 9 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	3.000	Nos.	540.38	1621.14	
						2.	Mazdoor-Male	36.000	Nos.	478.85	17238.60	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					18859.74	

Total of (M) + (L) =	(I)	= `	18909.74	Total = (I) + (II) =	(III)	= `	22372.39
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1890.97
Add: Allowance for PF @13.61% of (L)		= `	2566.81	Grand Total	=	(III)+(IV)= `	24263.36
Add: Allowance for Employee' insurance @4.75% of (L)		= `	895.84	This is cost for	400.0	Nos.	
Total of allowances =	(II)	= `	3462.65	Therefore, Unit cost	=		
				24263.36	÷	400.0	=Rs. 60.66
			Say Rs. 61.00			per each	

Rate Analysis for 100.0 Nos. of Item:
Loading of concrete sleepers etc.

Corresponding Item No. 10 of Section -XXIII of MbPT SOR 2014
 New Item No. 10 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire for crane	1.000	Day	5508.49	5508.49	1.	Muccadam	3.000	Nos.	540.38	1621.14	
2.	Sundries		Lumpsum		50.00	2.	Mazdoor-Male	25.000	Nos.	478.85	11971.25	
TOTAL (M) =Rs.					5558.49	TOTAL (L) =Rs.					13592.39	

Total of (M) + (L) =	(I)	= `	19150.88	Total = (I) + (II) =	(III)	= `	21646.44
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1915.09
Add: Allowance for PF @13.61% of (L)		= `	1849.92	Grand Total	=	(III)+(IV)= `	23561.53
Add: Allowance for Employee' insurance @4.75% of (L)		= `	645.64	This is cost for	100.0	Nos.	
Total of allowances =	(II)	= `	2495.56	Therefore, Unit cost	=		
				23561.53	÷	100.0	=Rs. 235.62
			Say Rs. 236.00		per each		

Rate Analysis for 100.0 Nos. of Item:
Unloading of concrete sleepers etc.

Corresponding Item No. 11 of Section -XXIII of MbPT SOR 2014
 New Item No. 11 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire for crane	1.000	Day	5508.49	5508.49	1.	Muccadam	3.000	Nos.	540.38	1621.14	
2.	Sundries		Lumpsum		50.00	2.	Mazdoor-Male	32.000	Nos.	478.85	15323.20	
TOTAL (M) =Rs.					5558.49	TOTAL (L) =Rs.					16944.34	

Total of (M) + (L) =	(I)	= `	22502.83	Total = (I) + (II) =	(III)	= `	25613.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2250.28
Add: Allowance for PF @13.61% of (L)		= `	2306.12	Grand Total	=	(III)+(IV)= `	27864.09
Add: Allowance for Employee' insurance @4.75% of (L)		= `	804.86	This is cost for	100.0	Nos.	
Total of allowances =	(II)	= `	3110.98	Therefore, Unit cost	=		
				27864.09	÷	100.0	=Rs. 278.64
			Say Rs. 279.00			per each	

Rate Analysis for 50.0 Cu.M. of Item:
Loading/ unloading of excavated earth/ debris into wagons etc.
(a) For loading

Corresponding Item No. 12a of Section -XXIII of MbPT SOR 2014
New Item No. 12a of Section -XXIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	4.000	Nos.	540.38	2161.52	
						2.	Mazdoor-Male	38.000	Nos.	478.85	18196.30	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					20357.82	

Total of (M) + (L) =	(I)	= `	20407.82	Total = (I) + (II) =	(III)	= `	24145.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2040.78
Add: Allowance for PF @13.61% of (L)		= `	2770.70	Grand Total	=	(III)+(IV)= `	26186.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	967.00	This is cost for	50.0	Cu.M.	
Total of allowances =	(II)	= `	3737.70	Therefore, Unit cost	=		
				26186.30	÷	50.0	=Rs. 523.73
			Say Rs. 524.00	per Cu.M.			

Rate Analysis for 50.0 Cu.M. of Item:
Loading/ unloading of excavated earth/ debris into wagons etc.
(b) For unloading

Corresponding Item No. 12b of Section -XXIII of MbPT SOR 2014
New Item No. 12b of Section -XXIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	4.000	Nos.	540.38	2161.52	
						2.	Mazdoor-Male	38.000	Nos.	478.85	18196.30	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					20357.82	

Total of (M) + (L) =	(I)	= `	20407.82	Total = (I) + (II) =	(III)	= `	24145.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2040.78
Add: Allowance for PF @13.61% of (L)		= `	2770.70	Grand Total	=	(III)+(IV)= `	26186.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	967.00	This is cost for	50.0	Cu.M.	
Total of allowances =	(II)	= `	3737.70	Therefore, Unit cost	=		
				26186.30	÷	50.0	=Rs. 523.73
			Say Rs. 524.00	per Cu.M.			

Rate Analysis for 75.0 Cu.M. of Item:
Loading/ unloading of debris/ kutchra/ refuse mixed with night soil etc. into wagon etc.
(a) For loading

Corresponding Item No. 13a of Section -XXIII of MbPT SOR 2014
New Item No. 13a of Section -XXIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qnty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	7.000	Nos.	540.38	3782.66	
						2.	Mazdoor-Male	65.000	Nos.	478.85	31125.25	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					34907.91	

Total of (M) + (L) =	(I)	= `	34957.91	Total = (I) + (II) =	(III)	= `	41367.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3495.79
Add: Allowance for PF @13.61% of (L)		= `	4750.97	Grand Total	=	(III)+(IV)= `	44862.79
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1658.13	This is cost for	75.0	Cu.M.	
Total of allowances =	(II)	= `	6409.09	Therefore, Unit cost	=		
				44862.79	÷	75.0	=Rs. 598.17
			Say Rs. 598.00	per Cu.M.			

Rate Analysis for 75.0 Cu.M. of Item:
Loading/ unloading of debris/ kutchra/ refuse mixed with night soil etc. into wagon etc.
(b) For unloading

Corresponding Item No. 13b of Section -XXIII of MbPT SOR 2014
 New Item No. 13b of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		50.00	1.	Muccadam	7.000	Nos.	540.38	3782.66	
						2.	Mazdoor-Male	65.000	Nos.	478.85	31125.25	
TOTAL (M) =Rs.					50.00	TOTAL (L) =Rs.					34907.91	

Total of (M) + (L) =	(I)	= `	34957.91	Total = (I) + (II) =	(III)	= `	41367.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3495.79
Add: Allowance for PF @13.61% of (L)		= `	4750.97	Grand Total	=	(III)+(IV)= `	44862.79
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1658.13	This is cost for	75.0	Cu.M.	
Total of allowances =	(II)	= `	6409.09	Therefore, Unit cost	=		
				44862.79	÷	75.0	=Rs. 598.17
			Say Rs. 598.00	per Cu.M.			

Rate Analysis for 100.0 Nos. of Item:
Transport of concrete sleepers including loading and unloading including stacking etc.

Corresponding Item No. 14 of Section -XXIII of MbPT SOR 2014
 New Item No. 14 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire for crane	2.000	Day	5508.49	11016.98	1.	Muccadam	6.000	Nos.	540.38	3242.28	
2.	Lorry charges		Lumpsum		1200.00	2.	Mazdoor-Male	60.000	Nos.	478.85	28731.00	
3.	Sundries		Lumpsum		50.00							
TOTAL (M) =Rs.					12266.98	TOTAL (L) =Rs.					31973.28	

Total of (M) + (L) =	(I)	= `	44240.26	Total = (I) + (II) =	(III)	= `	50110.55
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4424.03
Add: Allowance for PF @13.61% of (L)		= `	4351.56	Grand Total	=	(III)+(IV)= `	54534.58
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1518.73	This is cost for	100.0	Nos.	
Total of allowances =	(II)	= `	5870.29	Therefore, Unit cost	=		
				54534.58	÷	100.0	=Rs. 545.35
			Say Rs. 545.00	per each			

Rate Analysis for 1.0 set of Item:
Laying and assembly of turnout (1 in 8½ or 1 in 12) on wooden/ steel/ CI sleepers in position in straight or curved or on the existing foundation inclusive of all fittings etc.
(a) 90R/ 52 Kgs.

Corresponding Item No. 15a of Section -XXIII of MbPT SOR 2014
New Item No. 15a of Section -XXIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	8.00	Nos.	540.38	4323.04	
						2.	Fitter I	18.00	Nos.	540.38	9726.84	
						3.	Gangman	103.00	Nos.	498.08	51302.24	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					65352.12	

Total of (M) + (L) =	(I)	= `	65372.12	Total = (I) + (II) =	(III)	= `	77370.77
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	6537.21
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	8894.42	Grand Total	=	(III)+(IV)= `	83907.98
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	3104.23	This is cost for 1.0 set			
Total of allowances =	(II)	= `	11998.65	Therefore, Unit cost	=		
				83907.98 ÷ 1.0	=Rs.		83907.98
			Say Rs. 83908.00	per set			

Rate Analysis for 1.0 set of Item:
Laying and assembly of turnout (1 in 8½ or 1 in 12) on wooden/ steel/ CI sleepers in position in straight or curved or on the existing foundation inclusive of all fittings etc.
(b) 75R/ 75 Lbs.

Corresponding Item No. 15b of Section -XXIII of MbPT SOR 2014
New Item No. 15b of Section -XXIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	6.00	Nos.	540.38	3242.28	
						2.	Fitter I	13.00	Nos.	540.38	7024.94	
						3.	Gangman	82.00	Nos.	498.08	40842.56	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					51109.78	

Total of (M) + (L) =	(I)	= `	51129.78	Total = (I) + (II) =	(III)	= `	60513.54
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	5112.98
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	6956.04	Grand Total	=	(III)+(IV)= `	65626.51
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	2427.71	This is cost for 1.0 set			
Total of allowances =	(II)	= `	9383.76	Therefore, Unit cost	=		
				65626.51 ÷ 1.0	=Rs.		65626.51
			Say Rs. 65627.00	per set			

Rate Analysis for 1.0 set of Item:
Laying and assembly of turnout (1 in 8½ or 1 in 12) on wooden/ steel/ CI sleepers including checkrailing of the whole assembly in position in straight or curved or on the existing foundation inclusive of all fittings etc. (a) 90R/ 52 Kgs.

Corresponding Item No. 16a of Section -XXIII of MbPT SOR 2014
 New Item No. 16a of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	12.00	Nos.	540.38	6484.56	
						2.	Fitter I	28.00	Nos.	540.38	15130.64	
						3.	Gangman	170.00	Nos.	498.08	84673.60	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					106288.80	

Total of (M) + (L) =	(I)	= `	106308.80	Total = (I) + (II) =	(III)	= `	125823.42
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	10630.88
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	14465.91	Grand Total	=	(III)+(IV)= `	136454.30
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5048.72	This is cost for 1.0 set			
Total of allowances =	(II)	= `	19514.62	Therefore, Unit cost	=		
				136454.30 ÷ 1.0	=Rs.	136454.30	
			Say Rs. 136454.00	per set			

Rate Analysis for 1.0 set of Item:
Laying and assembly of turnout (1 in 8½ or 1 in 12) on wooden/ steel/ CI sleepers including checkrailing of the whole assembly in position in straight or curved or on the existing foundation inclusive of all fittings etc. (b) 75R/ 75 Lbs.

Corresponding Item No. 16b of Section -XXIII of MbPT SOR 2014
 New Item No. 16b of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	10.00	Nos.	540.38	5403.80	
						2.	Fitter I	22.00	Nos.	540.38	11888.36	
						3.	Gangman	131.00	Nos.	498.08	65248.48	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					82540.64	

Total of (M) + (L) =	(I)	= `	82560.64	Total = (I) + (II) =	(III)	= `	97715.10
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	8256.06
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	11233.78	Grand Total	=	(III)+(IV)= `	105971.17
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	3920.68	This is cost for 1.0 set			
Total of allowances =	(II)	= `	15154.46	Therefore, Unit cost	=		
				105971.17 ÷ 1.0	=Rs.	105971.17	
			Say Rs. 105971.00	per set			

Rate Analysis for 1.0 set of Item:
Dismantling of turnout in open (1 in 8½ or 1 in 12) on wooden/ steel/ CI sleepers, removing the crossing sleepers, levelling the formation and stacking the released materials in stores etc.

Corresponding Item No. 17 of Section -XXIII of MbPT SOR 2014
 New Item No. 17 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	4.00	Nos.	540.38	2161.52	
						2.	Fitter I	4.00	Nos.	540.38	2161.52	
						3.	Gangman	31.00	Nos.	498.08	15440.48	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					19763.52	

Total of (M) + (L) =	(I)	= `	19783.52	Total = (I) + (II) =	(III)	= `	23412.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1978.35
Add: Allowance for PF @13.61% of (L)		= `	2689.82	Grand Total	=	(III)+(IV)= `	25390.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	938.77	This is cost for 1.0 set			
Total of allowances =	(II)	= `	3628.58	Therefore, Unit cost	=		
				25390.45 ÷ 1.0	=Rs.		25390.45
			Say Rs. 25390.00	per set			

Rate Analysis for 1.0 set of Item:
Dismantling of turnout in paved and check rail (1 in 8½ or 1 in 12) on wooden/ steel/ CI sleepers, removing the crossing sleepers, levelling the formation stacking the released materials in stores etc.

Corresponding Item No. 18 of Section -XXIII of MbPT SOR 2014
 New Item No. 18 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	3.00	Nos.	540.38	1621.14	
						2.	Fitter I	6.00	Nos.	540.38	3242.28	
						3.	Gangman	32.00	Nos.	498.08	15938.56	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					20801.98	

Total of (M) + (L) =	(I)	= `	20821.98	Total = (I) + (II) =	(III)	= `	24641.22
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2082.20
Add: Allowance for PF @13.61% of (L)		= `	2831.15	Grand Total	=	(III)+(IV)= `	26723.42
Add: Allowance for Employee' insurance @4.75% of (L)		= `	988.09	This is cost for 1.0 set			
Total of allowances =	(II)	= `	3819.24	Therefore, Unit cost	=		
				26723.42 ÷ 1.0	=Rs.		26723.42
			Say Rs. 26723.00	per set			

Rate Analysis for 2.0 sets of Item:
Assembly and fixing of buffer stop etc.

Corresponding Item No. 19 of Section -XXIII of MbPT SOR 2014
 New Item No. 19 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Fitter I	8.00	Nos.	540.38	4323.04	
						3.	Gangman	31.00	Nos.	498.08	15440.48	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					20303.90	

Total of (M) + (L) = (I) = ` 20323.90

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 2763.36

Add: Allowance for Employee' insurance @4.75% of (L) = ` 964.44

Total of allowances = (II) = ` 3727.80

Say Rs. 13042.00 per set

Total = (I) + (II) = (III) = ` 24051.70

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 2032.39

Grand Total = (III)+(IV)= ` 26084.09

This is cost for 2.0 sets

Therefore, Unit cost = 26084.09 ÷ 2.0 =Rs. 13042.04

Rate Analysis for 5.0 sets of Item:
Dismantling of buffer stop, excluding transportation etc.

Corresponding Item No. 20 of Section -XXIII of MbPT SOR 2014
 New Item No. 20 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Fitter I	3.00	Nos.	540.38	1621.14	
						3.	Gangman	10.00	Nos.	498.08	4980.80	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					7142.32	

Total of (M) + (L) = (I) = ` 7162.32

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 1311.33

Say Rs. 1838.00 per set

Total = (I) + (II) = (III) = ` 8473.65

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 9189.88

This is cost for 5.0 sets

Therefore, Unit cost = 9189.88 ÷ 5.0 =Rs. 1837.98

Rate Analysis for 52.0 Track Metres of Item:
Dismantling of Railway tracks in open including excavation, transportation etc.

Corresponding Item No. 21 of Section -XXIII of MbPT SOR 2014
 New Item No. 21 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	4.00	Nos.	540.38	2161.52	
						2.	Fitter I	4.00	Nos.	540.38	2161.52	
						3.	Gangman	31.00	Nos.	498.08	15440.48	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					19763.52	

Total of (M) + (L) =	(I)	= `	19783.52	Total = (I) + (II) =	(III)	= `	23412.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1978.35
Add: Allowance for PF @13.61% of (L)		= `	2689.82	Grand Total	=	(III)+(IV)= `	25390.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	938.77	This is cost for	52.0	Track	Metres
Total of allowances =	(II)	= `	3628.58	Therefore, Unit cost	=		
				25390.45	÷	52.0	=Rs. 488.28
			Say Rs. 488.00	per Track Metre			

Rate Analysis for 104.0 Track Metres of Item:
Dismantling of Railway tracks in paved area including excavation, transportation etc.

Corresponding Item No. 22 of Section -XXIII of MbPT SOR 2014
 New Item No. 22 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	7.00	Nos.	540.38	3782.66	
						2.	Fitter I	8.00	Nos.	540.38	4323.04	
						3.	Gangman	98.00	Nos.	498.08	48811.84	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					56917.54	

Total of (M) + (L) =	(I)	= `	56937.54	Total = (I) + (II) =	(III)	= `	67387.60
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	5693.75
Add: Allowance for PF @13.61% of (L)		= `	7746.48	Grand Total	=	(III)+(IV)= `	73081.35
Add: Allowance for Employee' insurance @4.75% of (L)		= `	2703.58	This is cost for	104.0	Track	Metres
Total of allowances =	(II)	= `	10450.06	Therefore, Unit cost	=		
				73081.35	÷	104.0	=Rs. 702.71
			Say Rs. 703.00	per Track Metre			

Rate Analysis for 130.0 Mtrs. of Item:
Removing and transporting 52 Kgs./ 90R/ 75R free rails with all fittings on existing sleeper and linking of rails etc.

Corresponding Item No. 23 of Section -XXIII of MbPT SOR 2014
 New Item No. 23 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Fitter I	1.00	Nos.	540.38	540.38	
						3.	Gangman	18.00	Nos.	498.08	8965.44	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					10046.20	

Total of (M) + (L) =	(I)	= `	10066.20	Total = (I) + (II) =	(III)	= `	11910.68
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1006.62
Add: Allowance for PF @13.61% of (L)		= `	1367.29	Grand Total	=	(III)+(IV)= `	12917.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	477.19	This is cost for	130.0	Mtrs.	
Total of allowances =	(II)	= `	1844.48	Therefore, Unit cost	=		
				12917.30	÷	130.0	=Rs. 99.36
			Say Rs. 99.00		per Mtr.		

Rate Analysis for 200.0 Mtrs. of Item:
Removing of rails etc.

Corresponding Item No. 24 of Section -XXIII of MbPT SOR 2014
 New Item No. 24 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	2.00	Nos.	540.38	1080.76	
						2.	Gangman	10.00	Nos.	498.08	4980.80	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					6061.56	

Total of (M) + (L) =	(I)	= `	6081.56	Total = (I) + (II) =	(III)	= `	7194.46
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	608.16
Add: Allowance for PF @13.61% of (L)		= `	824.98	Grand Total	=	(III)+(IV)= `	7802.62
Add: Allowance for Employee' insurance @4.75% of (L)		= `	287.92	This is cost for	200.0	Mtrs.	
Total of allowances =	(II)	= `	1112.90	Therefore, Unit cost	=		
				7802.62 ÷	200.0	=Rs.	39.01
			Say Rs.	39.00	per	Mtr.	

Rate Analysis for 150.0 Mtrs. of Item:
Insertion of rails etc.

Corresponding Item No. 25 of Section -XXIII of MbPT SOR 2014
 New Item No. 25 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	2.00	Nos.	540.38	1080.76	
						2.	Gangman	12.00	Nos.	498.08	5976.96	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					7057.72	

Total of (M) + (L) =	(I)	= `	7077.72	Total = (I) + (II) =	(III)	= `	8373.52
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	707.77
Add: Allowance for PF @13.61% of (L)		= `	960.56	Grand Total	=	(III)+(IV)= `	9081.29
Add: Allowance for Employee' insurance @4.75% of (L)		= `	335.24	This is cost for	150.0	Mtrs.	
Total of allowances =	(II)	= `	1295.80	Therefore, Unit cost	=		
				9081.29	÷	150.0	=Rs. 60.54
			Say Rs. 61.00	per Mtr.			

Rate Analysis for 125.0 Mtrs. of Item:
Removing of rails from railway tracks having check rails etc.

Corresponding Item No. 26 of Section -XXIII of MbPT SOR 2014
 New Item No. 26 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Fitter I	2.00	Nos.	540.38	1080.76	
						3.	Gangman	7.00	Nos.	498.08	3486.56	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					5107.70	

Total of (M) + (L) = (I) = ` 5127.70

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 695.16

Add: Allowance for Employee' insurance @4.75% of (L) = ` 242.62

Total of allowances = (II) = ` 937.77

Say Rs. 53.00 per Mtr.

Total = (I) + (II) = (III) = ` 6065.47

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 512.77

Grand Total = (III)+(IV)= ` 6578.24

This is cost for 125.0 Mtrs.

Therefore, Unit cost = 6578.24 ÷ 125.0 =Rs. 52.63

Rate Analysis for 200.0 Mtrs. of Item:
Inserting of 52 Kgs./ 90R/ 75R free rails having check rails etc.

Corresponding Item No. 27 of Section -XXIII of MbPT SOR 2014
 New Item No. 27 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Fitter I	4.00	Nos.	540.38	2161.52	
						3.	Gangman	13.00	Nos.	498.08	6475.04	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					9176.94	

Total of (M) + (L) =	(I)	= `	9196.94	Total = (I) + (II) =	(III)	= `	10881.83
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	919.69
Add: Allowance for PF @13.61% of (L)		= `	1248.98	Grand Total	=	(III)+(IV)= `	11801.52
Add: Allowance for Employee' insurance @4.75% of (L)		= `	435.90	This is cost for	200.0	Mtrs.	
Total of allowances =	(II)	= `	1684.89	Therefore, Unit cost	=		
				11801.52	÷	200.0	=Rs. 59.01
			Say Rs. 59.00			per Mtr.	

Rate Analysis for 120.0 Track Metres of Item:
Pulling back of rails (creep adjustment) etc.

Corresponding Item No. 28 of Section -XXIII of MbPT SOR 2014
 New Item No. 28 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Fitter I	3.00	Nos.	540.38	1621.14	
						3.	Gangman	19.00	Nos.	498.08	9463.52	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					11625.04	

Total of (M) + (L) = (I) = ` 11645.04

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 2134.36

Say Rs. 125.00

Total = (I) + (II) = (III) = ` 13779.40

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV) = ` 14943.90

This is cost for 120.0 Track Metres

Therefore, Unit cost = 14943.90 ÷ 120.0 =Rs. 124.53

per Track Metre

Rate Analysis for 78.0 Track Metres of Item:
Laying/ linking of track with rail sleepers, fastenings including rail cutting, drilling holes, necessary gauging, lifting, packing, levelling etc.

Corresponding Item No. 29 of Section -XXIII of MbPT SOR 2014
 New Item No. 29 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	10.00	Nos.	540.38	5403.80	
						2.	Fitter I	20.00	Nos.	540.38	10807.60	
						3.	Gangman	189.00	Nos.	498.08	94137.12	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					110348.52	

Total of (M) + (L) =	(I)	= `	110368.52	Total = (I) + (II) =	(III)	= `	130628.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	11036.85
Add: Allowance for PF @13.61% of (L)		= `	15018.43	Grand Total	=	(III)+(IV)= `	141665.36
Add: Allowance for Employee' insurance @4.75% of (L)		= `	5241.55	This is cost for	78.0	Track	Metres
Total of allowances =	(II)	= `	20259.99	Therefore, Unit cost	=		
				141665.36	÷	78.0	=Rs. 1816.22
			Say Rs. 1816.00	per Track Metre			

Rate Analysis for 52.0 Track Metres of Item:
Fixing of check rails with fastenings including cutting and drilling holes etc.

Corresponding Item No. 30 of Section -XXIII of MbPT SOR 2014
 New Item No. 30 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	5.00	Nos.	540.38	2701.90	
						2.	Fitter I	15.00	Nos.	540.38	8105.70	
						3.	Gangman	59.00	Nos.	498.08	29386.72	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					40194.32	

Total of (M) + (L) =	(I)	= `	40214.32	Total = (I) + (II) =	(III)	= `	47594.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	4021.43
Add: Allowance for PF @13.61% of (L)		= `	5470.45	Grand Total	=	(III)+(IV)= `	51615.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1909.23	This is cost for	52.0	Track	Metres
Total of allowances =	(II)	= `	7379.68	Therefore, Unit cost	=		
				51615.43	÷	52.0	=Rs. 992.60
			Say Rs. 993.00	per	Track	Metre	

Rate Analysis for 100.0 Track Metres of Item:
Cleaning the check rails etc.

Corresponding Item No. 31 of Section -XXIII of MbPT SOR 2014
 New Item No. 31 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Mazdoor-Male	3.00	Nos.	478.85	1436.55	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					1976.93	

Total of (M) + (L) =	(I)	= `	1996.93	Total = (I) + (II) =	(III)	= `	2359.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	199.69
Add: Allowance for PF @13.61% of (L)		= `	269.06	Grand Total	=	(III)+(IV)= `	2559.59
Add: Allowance for Employee' insurance @4.75% of (L)		= `	93.90	This is cost for	100.0	Track	Metres
Total of allowances =	(II)	= `	362.96	Therefore, Unit cost	=		
				2559.59	÷	100.0	=Rs. 25.60
			Say Rs. 26.00			per Track Metre	

Rate Analysis for 130.0 Cu.M. of Item:
Spreading of ballast etc.

Corresponding Item No. 32 of Section -XXIII of MbPT SOR 2014
 New Item No. 32 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	7.00	Nos.	540.38	3782.66	
						2.	Mazdoor-Male	65.00	Nos.	478.85	31125.25	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					34907.91	

Total of (M) + (L) =	(I)	= `	34927.91	Total = (I) + (II) =	(III)	= `	41337.00
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3492.79
Add: Allowance for PF @13.61% of (L)		= `	4750.97	Grand Total	=	(III)+(IV)= `	44829.79
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1658.13	This is cost for	130.0	Cu.M.	
Total of allowances =	(II)	= `	6409.09	Therefore, Unit cost	=		
				44829.79	÷	130.0	=Rs. 344.84
			Say Rs. 345.00		per	Cu.M.	

Rate Analysis for 200.0 Sq.M. of Item:
Spreading of ballast etc.

Corresponding Item No. 33 of Section -XXIII of MbPT SOR 2014
 New Item No. 33 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	5.00	Nos.	540.38	2701.90	
						2.	Gangman	53.00	Nos.	498.08	26398.24	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					29100.14	

Total of (M) + (L) =	(I)	= `	29120.14	Total = (I) + (II) =	(III)	= `	34462.93
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2912.01
Add: Allowance for PF @13.61% of (L)		= `	3960.53	Grand Total	=	(III)+(IV)= `	37374.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1382.26	This is cost for	200.0	Sq.M.	
Total of allowances =	(II)	= `	5342.79	Therefore, Unit cost	=		
				37374.94	÷	200.0	=Rs. 186.87
			Say Rs. 187.00		per	Sq.M.	

Rate Analysis for 150.0 Track Metres of Item:
First round of through packing of existing track of wooden or steel sleepers etc.

Corresponding Item No. 34 of Section -XXIII of MbPT SOR 2014
 New Item No. 34 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	3.00	Nos.	540.38	1621.14	
						2.	Gangman	34.00	Nos.	498.08	16934.72	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					18555.86	

Total of (M) + (L) =	(I)	= `	18575.86	Total = (I) + (II) =	(III)	= `	21982.72
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1857.59
Add: Allowance for PF @13.61% of (L)		= `	2525.45	Grand Total =	(III)+(IV)=	`	23840.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	881.40	This is cost for	150.0	Track	Metres
Total of allowances =	(II)	= `	3406.86	Therefore, Unit cost		=	
				23840.30 ÷	150.0	=Rs.	158.94
			Say Rs. 159.00	per Track Metre			

Rate Analysis for 200.0 Track Metres of Item:
Second round of through packing of existing track of wooden or steel sleepers etc.

Corresponding Item No. 35 of Section -XXIII of MbPT SOR 2014
 New Item No. 35 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	3.00	Nos.	540.38	1621.14	
						2.	Gangman	32.00	Nos.	498.08	15938.56	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					17559.70	

Total of (M) + (L) =	(I)	= `	17579.70	Total = (I) + (II) =	(III)	= `	20803.66
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1757.97
Add: Allowance for PF @13.61% of (L)		= `	2389.88	Grand Total	=	(III)+(IV)= `	22561.63
Add: Allowance for Employee' insurance @4.75% of (L)		= `	834.09	This is cost for	200.0	Track	Metres
Total of allowances =	(II)	= `	3223.96	Therefore, Unit cost	=		
				22561.63 ÷	200.0	=Rs.	112.81
			Say Rs.	113.00	per	Track	Metre

Rate Analysis for 30.0 Cuts of Item:
Cutting of rails etc.

Corresponding Item No. 36 of Section -XXIII of MbPT SOR 2014
 New Item No. 36 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hack-saw blades	15.00	Nos.	432.20	6483.07	1.	Fitter I	7.00	Nos.	540.38	3782.66	
2.	Sundries		Lumpsum		150.00	2.	Gangman	14.00	Nos.	498.08	6973.12	
TOTAL (M) =Rs.					6633.07	TOTAL (L) =Rs.					10755.78	

Total of (M) + (L) = (I) = ` 17388.85

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 1974.76

Say Rs. 703.00 per cut

Total = (I) + (II) = (III) = ` 19363.61

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1738.88

Grand Total = (III)+(IV)= ` 21102.50

This is cost for 30.0 Cuts

Therefore, Unit cost = 21102.50 ÷ 30.0 =Rs. 703.42

Rate Analysis for 39.0 Mtrs. of Item:
Cutting of foot of rails etc.

Corresponding Item No. 37 of Section -XXIII of MbPT SOR 2014
 New Item No. 37 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hack-saw blades	15.00	Nos.	432.20	6483.07	1.	Fitter I	5.00	Nos.	540.38	2701.90	
2.	Gas cutter etc.		Lumpsum		400.00	2.	Muccadam	1.00	Nos.	540.38	540.38	
3.	Sundries		Lumpsum		200.00	3.	Gangman	15.00	Nos.	498.08	7471.20	
TOTAL (M) =Rs.					7083.07	TOTAL (L) =Rs.					10713.48	

Total of (M) + (L) = (I) = ` 17796.55

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 1458.10

Add: Allowance for Employee' insurance @4.75% of (L) = ` 508.89

Total of allowances = (II) = ` 1966.99

Say Rs. 552.00 per Mtr.

Total = (I) + (II) = (III) = ` 19763.54

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1779.65

Grand Total = (III)+(IV)= ` 21543.20

This is cost for 39.0 Mtrs.

Therefore, Unit cost = 21543.20 ÷ 39.0 =Rs. 552.39

Rate Analysis for 40.0 Nos. of Item:
Drilling of holes etc.

Corresponding Item No. 38 of Section -XXIII of MbPT SOR 2014
 New Item No. 38 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Drilling charges incl. machine hire		Lumpsum		300.00	1.	Fitter I	1.00	Nos.	540.38	540.38	
2.	Diesel/ lubricant	5.00	Lits.	54.99	274.96	2.	Muccadam	1.00	Nos.	540.38	540.38	
3.	Drill bits	2.00	Nos.	3898.32	7796.63	3.	Gangman	4.00	Nos.	498.08	1992.32	
4.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					8391.59	TOTAL (L) =Rs.					3073.08	

Total of (M) + (L) =	(I)	= `	11464.67	Total = (I) + (II) =	(III)	= `	12028.89
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1146.47
Add: Allowance for PF @13.61% of (L)		= `	418.25	Grand Total	=	(III)+(IV)= `	13175.35
Add: Allowance for Employee' insurance @4.75% of (L)		= `	145.97	This is cost for	40.0	Nos.	
Total of allowances =	(II)	= `	564.22	Therefore, Unit cost	13175.35	÷	40.0 =Rs. 329.38
			Say Rs. 329.00	per each			

Rate Analysis for 100.0 Nos. of Item:
Removing from tracks existing wooden/ CI/ steel sleepers etc.
(a) For renewals not involving deep screening

Corresponding Item No. 39a of Section -XXIII of MbPT SOR 2014
New Item No. 39a of Section -XXIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Gangman	15.00	Nos.	498.08	7471.20	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					8011.58	

Total of (M) + (L) =	(I)	= `	8031.58	Total = (I) + (II) =	(III)	= `	9502.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	803.16
Add: Allowance for PF @13.61% of (L)		= `	1090.38	Grand Total	=	(III)+(IV)= `	10305.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	380.55	This is cost for	100.0	Nos.	
Total of allowances =	(II)	= `	1470.93	Therefore, Unit cost	=		
				10305.66 ÷	100.0	=Rs.	103.06
			Say Rs.	103.00	per	each	

Rate Analysis for 155.0 Nos. of Item:
Removing from tracks existing wooden/ CI/ steel sleepers etc.
(b) For renewals involving deep screening

Corresponding Item No. 39b of Section -XXIII of MbPT SOR 2014
New Item No. 39b of Section -XXIII
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Gangman	20.00	Nos.	498.08	9961.60	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					10501.98	

Total of (M) + (L) = (I) = ` 10521.98

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II)

= ` 1928.16

Say Rs.

Total = (I) + (II) =

(III)

= ` 12450.14

Add: Contractor's over-heads & profit @10% of (I)

(IV)

= ` 1052.20

Grand Total

=

(III)+(IV)=

` 13502.34

This is cost for 155.0 Nos.

Therefore, Unit cost

=

13502.34

÷

155.0

=Rs.

87.11

per each

Rate Analysis for 100.0 Nos. of Item:
Extra over rate for removal of crossing sleepers of any size for Item Nos.39a & 39b above.

Corresponding Item No. 40 of Section -XXIII of MbPT SOR 2014
 New Item No. 40 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	2.00	Nos.	540.38	1080.76	
						2.	Gangman	21.00	Nos.	498.08	10459.68	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					11540.44	

Total of (M) + (L) =	(I)	= `	11560.44	Total = (I) + (II) =	(III)	= `	13679.26
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1156.04
Add: Allowance for PF @13.61% of (L)		= `	1570.65	Grand Total	=	(III)+(IV)= `	14835.31
Add: Allowance for Employee' insurance @4.75% of (L)		= `	548.17	This is cost for	100.0	Nos.	
Total of allowances =	(II)	= `	2118.82	Therefore, Unit cost	=		
			Say Rs.	14835.31	÷	100.0	=Rs. 148.35
				148.00	per	each	
				95.00	per	each	
				Say Rs. 53.00	per	each	

Deduct: Avg. rate of Item Nos.39a&39b i.e.(103+87)/2 =

Rate Analysis for 100.0 Nos. of Item:
Inserting wooden/ CI/ steel sleepers etc.
(a) For through sleeper renewal.

Corresponding Item No. 41a of Section -XXIII of MbPT SOR 2014
 New Item No. 41a of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	2.00	Nos.	540.38	1080.76	
						2.	Gangman	19.00	Nos.	498.08	9463.52	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					10544.28	

Total of (M) + (L) = (I) = ` 10564.28

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 1935.93

Say Rs. 136.00 per each

Total = (I) + (II) = (III) = ` 12500.21

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1056.43

Grand Total = (III)+(IV)= ` 13556.64

This is cost for 100.0 Nos.

Therefore, Unit cost =
 13556.64 ÷ 100.0 =Rs. 135.57

Rate Analysis for 100.0 Nos. of Item:
Inserting wooden/ CI/ steel sleepers etc.
(b) For casual renewal.

Corresponding Item No. 41b of Section -XXIII of MbPT SOR 2014
 New Item No. 41b of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	3.00	Nos.	540.38	1621.14	
						2.	Gangman	21.00	Nos.	498.08	10459.68	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					12080.82	

Total of (M) + (L) =	(I)	= `	12100.82	Total = (I) + (II) =	(III)	= `	14318.86
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1210.08
Add: Allowance for PF @13.61% of (L)		= `	1644.20	Grand Total	=	(III)+(IV)= `	15528.94
Add: Allowance for Employee' insurance @4.75% of (L)		= `	573.84	This is cost for	100.0	Nos.	
Total of allowances =	(II)	= `	2218.04	Therefore, Unit cost	=		
				15528.94	÷	100.0	=Rs. 155.29
			Say Rs. 155.00		per each		

Rate Analysis for 44.0 Nos. of Item:
Extra over rate for inserting wooden/ CI/ steel crossing sleepers of any size for Item Nos.41a & 41b above.

Corresponding Item No. 42 of Section -XXIII of MbPT SOR 2014
 New Item No. 42 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	3.00	Nos.	540.38	1621.14	
						2.	Gangman	14.00	Nos.	498.08	6973.12	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					8594.26	

Total of (M) + (L) =	(I)	= `	8614.26	Total = (I) + (II) =	(III)	= `	10192.17
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	861.43
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	1169.68	Grand Total	=	(III)+(IV)= `	11053.59
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	408.23	This is cost for	44.0	Nos.	
Total of allowances =	(II)	= `	1577.91	Therefore, Unit cost	=		
				11053.59	÷	44.0	=Rs. 251.22
			Say Rs.	251.00	per	each	
<u>Deduct</u> : Avg. rate of Item Nos.41a&41b i.e.(136+156)/2 =				145.50	per	each	
			Say Rs.	105.50	per	each	

Rate Analysis for 19.0 Nos. of Item:
Removal of concrete sleepers etc.
(a) Not involving deep screening

Corresponding Item No. 43a of Section -XXIII of MbPT SOR 2014
 New Item No. 43a of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	2.00	Nos.	540.38	1080.76	
						2.	Gangman	6.00	Nos.	498.08	2988.48	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					4069.24	

Total of (M) + (L) = (I) = ` 4089.24

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 553.82

Add: Allowance for Employee' insurance @4.75% of (L) = ` 193.29

Total of allowances = (II) = ` 747.11

Say Rs. 276.00 per each

Total = (I) + (II) = (III) = ` 4836.35

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 408.92

Grand Total = (III)+(IV)= ` 5245.28

This is cost for 19.0 Nos.

Therefore, Unit cost = 5245.28 ÷ 19.0 =Rs. 276.07

Rate Analysis for 45.0 Nos. of Item:
Removal of concrete sleepers etc.
(b) Involving deep screening

Corresponding Item No. 43b of Section -XXIII of MbPT SOR 2014
 New Item No. 43b of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Gangman	10.00	Nos.	498.08	4980.80	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					5521.18	

Total of (M) + (L) = (I) = ` 5541.18

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 1013.69

Say Rs. 158.00 per each

Total = (I) + (II) = (III) = ` 6554.87

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 7108.99

This is cost for 45.0 Nos.

Therefore, Unit cost =
 $\frac{7108.99}{45.0} = \text{Rs. } 157.98$

Rate Analysis for 50.0 Nos. of Item:
Insertion of concrete sleepers for through or casual renewal etc.

Corresponding Item No. 44 of Section -XXIII of MbPT SOR 2014
 New Item No. 44 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	2.00	Nos.	540.38	1080.76	
						2.	Gangman	30.00	Nos.	498.08	14942.40	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					16023.16	

Total of (M) + (L) = (I) = ` 16043.16

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 2180.75

Add: Allowance for Employee' insurance @4.75% of (L) = ` 761.10

Total of allowances = (II) = ` 2941.85

Say Rs. 412.00 per each

Total = (I) + (II) = (III) = ` 18985.01

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1604.32

Grand Total = (III)+(IV)= ` 20589.33

This is cost for 50.0 Nos.

Therefore, Unit cost = 20589.33 ÷ 50.0 =Rs. 411.79

Rate Analysis for 104.0 Track Metres of Item:
Lifting of tracks etc.

Corresponding Item No. 45 of Section -XXIII of MbPT SOR 2014
 New Item No. 45 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	5.00	Nos.	540.38	2701.90	
						2.	Gangman	66.00	Nos.	498.08	32873.28	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					35575.18	

Total of (M) + (L) =	(I)	= `	35595.18	Total = (I) + (II) =	(III)	= `	42126.78
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	3559.52
Add: Allowance for PF @13.61% of (L)		= `	4841.78	Grand Total	=	(III)+(IV)= `	45686.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1689.82	This is cost for	104.0	Track	Metres
Total of allowances =	(II)	= `	6531.60	Therefore, Unit cost	=		
				45686.30	÷	104.0	=Rs. 439.29
			Say Rs. 439.00		per	Track	Metre

Rate Analysis for 45.0 Nos. of Item:
Squaring of sleepers including spiking etc.

Corresponding Item No. 46 of Section -XXIII of MbPT SOR 2014
 New Item No. 46 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
						2.	Gangman	3.00	Nos.	498.08	1494.24	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					2034.62	

Total of (M) + (L) =	(I)	= `	2054.62	Total = (I) + (II) =	(III)	= `	2428.18
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	205.46
Add: Allowance for PF @13.61% of (L)		= `	276.91	Grand Total	=	(III)+(IV)= `	2633.64
Add: Allowance for Employee' insurance @4.75% of (L)		= `	96.64	This is cost for	45.0	Nos.	
Total of allowances =	(II)	= `	373.56	Therefore, Unit cost	=		
				2633.64	÷	45.0	=Rs. 58.53
			Say Rs. 59.00			per each	

Rate Analysis for 100.0 Joints of Item:
Lubricating rail joints etc.

Corresponding Item No. 47 of Section -XXIII of MbPT SOR 2014
 New Item No. 47 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		150.00	1.	Fitter I	4.00	Nos.	540.38	2161.52	
						2.	Gangman	8.00	Nos.	498.08	3984.64	
TOTAL (M) =Rs.					150.00	TOTAL (L) =Rs.					6146.16	

Total of (M) + (L) = (I) = ` 6296.16

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 836.49

Add: Allowance for Employee' insurance @4.75% of (L) = ` 291.94

Total of allowances = (II) = ` 1128.43

Say Rs. 81.00 per joint

Total = (I) + (II) = (III) = ` 7424.59

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 629.62

Grand Total = (III)+(IV)= ` 8054.21

This is cost for 100.0 Joints

Therefore, Unit cost = 8054.21 ÷ 100.0 =Rs. 80.54

Rate Analysis for 20.0 sets of Item:
Lubricating points and crossing assembly etc.

Corresponding Item No. 48 of Section -XXIII of MbPT SOR 2014
 New Item No. 48 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		150.00	1.	Fitter I	2.00	Nos.	540.38	1080.76	
						2.	Gangman	4.00	Nos.	498.08	1992.32	
TOTAL (M) =Rs.					150.00	TOTAL (L) =Rs.					3073.08	

Total of (M) + (L) =	(I)	= `	3223.08	Total = (I) + (II) =	(III)	= `	3787.30
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	322.31
Add: Allowance for PF @13.61% of (L)		= `	418.25	Grand Total	=	(III)+(IV)= `	4109.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	145.97	This is cost for	20.0	sets	
Total of allowances =	(II)	= `	564.22	Therefore, Unit cost	=		
				4109.61	÷	20.0	=Rs. 205.48
			Say Rs.	205.00	per	set	

Rate Analysis for 200.0 Nos. of Item:
Unloading of wooden sleepers from lorries including stacking etc.

Corresponding Item No. 49 of Section -XXIII of MbPT SOR 2014
 New Item No. 49 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		20.00	1.	Muccadam	2.00	Nos.	540.38	1080.76	
						2.	Gangman	20.00	Nos.	498.08	9961.60	
TOTAL (M) =Rs.					20.00	TOTAL (L) =Rs.					11042.36	

Total of (M) + (L) = (I) = ` 11062.36

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 1502.87

Add: Allowance for Employee' insurance @4.75% of (L) = ` 524.51

Total of allowances = (II) = ` 2027.38

Say Rs. 71.00 per each

Total = (I) + (II) = (III) = ` 13089.74

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 1106.24

Grand Total = (III)+(IV)= ` 14195.97

This is cost for 200.0 Nos.

Therefore, Unit cost = 14195.97 ÷ 200.0 =Rs. 70.98

Rate Analysis for 104.0 Track Metres of Item:
Laying B.G. Railway track with check rail for concreting etc.

Corresponding Item No. 50 of Section -XXIII of MbPT SOR 2014
 New Item No. 50 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Sundries		Lumpsum		120.00	1.	Muccadam	20.00	Nos.	540.38	10807.60	
						2.	Fitter I	38.00	Nos.	540.38	20534.44	
						3.	Gangman	254.00	Nos.	498.08	126512.32	
TOTAL (M) =Rs.					120.00	TOTAL (L) =Rs.					157854.36	

Total of (M) + (L) = (I) = ` 157974.36

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L) = ` 21483.98

Add: Allowance for Employee' insurance @4.75% of (L) = ` 7498.08

Total of allowances = (II) = ` 28982.06

Say Rs. 1950.00

Total = (I) + (II) = (III) = ` 186956.42

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 15797.44

Grand Total = (III)+(IV)= ` 202753.86

This is cost for 104.0 Track Metres

Therefore, Unit cost =
 202753.86 ÷ 104.0 =Rs. 1949.56

per Track Metre

Rate Analysis for 130.0 Mtrs. of Item:
Transport of rails by lorries etc.

Corresponding Item No. 51 of Section -XXIII of MbPT SOR 2014
 New Item No. 51 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Lorry charges		Lumpsum		950.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
2.	Sundries		Lumpsum		80.00	2.	Gangman	15.00	Nos.	498.08	7471.20	
TOTAL (M) =Rs.					1030.00	TOTAL (L) =Rs.					8011.58	

Total of (M) + (L) =	(I)	= `	9041.58	Total = (I) + (II) =	(III)	= `	10512.51
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	904.16
Add: Allowance for PF @13.61% of (L)		= `	1090.38	Grand Total	=	(III)+(IV)= `	11416.66
Add: Allowance for Employee' insurance @4.75% of (L)		= `	380.55	This is cost for	130.0	Mtrs.	
Total of allowances =	(II)	= `	1470.93	Therefore, Unit cost	=		
				11416.66	÷	130.0	=Rs. 87.82
			Say Rs. 88.00	per Mtr.			

Rate Analysis for 24.0 Cu.M. of Item:
Transport by lorries ballast stones including loading and unloading lead 100 Mtrs. etc.

Corresponding Item No. 52 of Section -XXIII of MbPT SOR 2014
 New Item No. 52 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Lorry charges		Lumpsum		2600.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
2.	Sundries		Lumpsum		80.00	2.	Gangman	7.00	Nos.	498.08	3486.56	
TOTAL (M) =Rs.					2680.00	TOTAL (L) =Rs.					4026.94	

Total of (M) + (L) =	(I)	= `	6706.94	Total = (I) + (II) =	(III)	= `	7446.29
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	670.69
Add: Allowance for PF @13.61% of (L)		= `	548.07	Grand Total	=	(III)+(IV)= `	8116.98
Add: Allowance for Employee' insurance @4.75% of (L)		= `	191.28	This is cost for	24.0	Cu.M.	
Total of allowances =	(II)	= `	739.35	Therefore, Unit cost	=		
				8116.98	÷	24.0	=Rs. 338.21
			Say Rs. 338.00	per Cu.M.			

Rate Analysis for 100.0 Nos. of Item:
Transport by lorries wooden or steel sleepers etc.

Corresponding Item No. 53 of Section -XXIII of MbPT SOR 2014
 New Item No. 53 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Lorry charges		Lumpsum		900.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
2.	Sundries		Lumpsum		80.00	2.	Gangman	10.00	Nos.	498.08	4980.80	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					980.00						5521.18	

Total of (M) + (L) = (I) = ` 6501.18

Add: Allowance for Water charges @1% of (I) = `

Add: Allowance for PF @13.61% of (L) = ` 751.43

Add: Allowance for Employee' insurance @4.75% of (L) = ` 262.26

Total of allowances = (II) = ` 1013.69

Say Rs. 82.00 per each

Total = (I) + (II) = (III) = ` 7514.87

Add: Contractor's over-heads & profit @10% of (I) (IV) = ` 650.12

Grand Total = (III)+(IV)= ` 8164.99

This is cost for 100.0 Nos.

Therefore, Unit cost =
 8164.99 ÷ 100.0 =Rs. 81.65

Rate Analysis for 25.0 Mtrs. of Item:
Dismantling and removing the existing railway track in paved area/ sub-strata dismantling and separating rails, sleepers (wooden/ steel), fish plates, fish bolts, dog spikes, steel keys bearing plates etc.

Corresponding Item No. 54 of Section -XXIII of MbPT SOR 2014
 New Item No. 54 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Gas cutting set, cylinder, tools, etc.	1.00	Day	3389.84	3389.84	1.	Welder	1.00	Nos.	525.00	525.00	
2.	Sundries		Lumpsum		300.00	2.	Mazdoor-Male	4.00	Nos.	478.85	1915.40	
TOTAL (M) =Rs.					3689.84	TOTAL (L) =Rs.					2440.40	

Total of (M) + (L) =	(I)	= `	6130.24	Total = (I) + (II) =	(III)	= `	6578.30
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	613.02
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	332.14	Grand Total	=	(III)+(IV)= `	7191.32
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	115.92	This is cost for	25.0	Mtrs.	
Total of allowances =	(II)	= `	448.06	Therefore, Unit cost	=		
				7191.32	÷	25.0	=Rs. 287.65
			Say Rs. 288.00	per Mtr.			

Rate Analysis for 4.0 Joints of Item:
Providing and fixing m.s. plate with nuts and bolts to rail joints etc.

Corresponding Item No. 55 of Section -XXIII of MbPT SOR 2014
 New Item No. 55 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	m.s. plate 4X2Nos.X0.45X0.075X0.03 Mtrs. @78.50Kgs./Cu.M.=63.58Kgs.=0.64qntl.	0.64	qntl.	4583.06	2933.16	1.	Fitter I	2.00	Nos.	540.38	1080.76	
2.	Nuts & bolts-Square head	16.00	Nos.	77.12	1233.90	2.	Mazdoor-Male	4.00	Nos.	478.85	1915.40	
3.	Cost of machining		Lumpsum		1250.00							
4.	Charges for drilling holes		Lumpsum		300.00							
5.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					5737.06	TOTAL (L) =Rs.					2996.16	

Total of (M) + (L) =	(I)	= `	8733.22	Total = (I) + (II) =	(III)	= `	9283.32
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	873.32
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	407.78	Grand Total	=	(III)+(IV)= `	10156.64
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	142.32	This is cost for	4.0	Joints	
Total of allowances =	(II)	= `	550.09	Therefore, Unit cost		=	
				10156.64	÷	4.0	=Rs. 2539.16
			Say Rs. 2539.00	per joint			

Rate Analysis for 10.0 Nos. of Item:
Providing and fixing m.s. bolts and nuts 100mm long to rails etc.

Corresponding Item No. 56 of Section -XXIII of MbPT SOR 2014
 New Item No. 56 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Nuts, bolts & washers	10.00	Nos.	77.12	771.19	1.	Fitter I	0.50	Nos.	540.38	270.19	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	0.50	Nos.	478.85	239.43	
TOTAL (M) =Rs.					791.19	TOTAL (L) =Rs.					509.62	

Total of (M) + (L) =	(I)	= `	1300.80	Total = (I) + (II) =	(III)	= `	1394.37
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	130.08
Add: Allowance for PF @13.61% of (L)		= `	69.36	Grand Total	=	(III)+(IV)= `	1524.45
Add: Allowance for Employee' insurance @4.75% of (L)		= `	24.21	This is cost for 10.0 Nos.			
Total of allowances =	(II)	= `	93.57	Therefore, Unit cost	=		
				1524.45 ÷ 10.0	=Rs.		152.44
			Say Rs. 152.00	per each			

Rate Analysis for 52.0 Track Metres of Item:
Dismantling and removing the existing MbPT Broad Gauge Railwat tracks on concrete sleepers in open including etc.

Corresponding Item No. 57 of Section -XXIII of MbPT SOR 2014
 New Item No. 57 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Muccadam	6.00	Nos.	540.38	3242.28	
						2.	Fitter I	6.00	Nos.	540.38	3242.28	
						3.	Gangman	47.00	Nos.	498.08	23409.76	
					TOTAL (M) =Rs.					TOTAL (L) =Rs.		

Total of (M) + (L) =	(I)	= `	29894.32	Total = (I) + (II) =	(III)	= `	35382.92
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	2989.43
Add: Allowance for PF @13.61% of (L)		= `	4068.62	Grand Total	=	(III)+(IV)= `	38372.35
Add: Allowance for Employee' insurance @4.75% of (L)		= `	1419.98	This is cost for	52.0	Track	Metres
Total of allowances =	(II)	= `	5488.60	Therefore, Unit cost	=		
				38372.35	÷	52.0	=Rs. 737.93
			Say Rs. 738.00			per Track Metre	

Rate Analysis for 120.0 Track Metres of Item:
First round of through packing of existing track on concrete sleepers including spacing etc.

Corresponding Item No. 58 of Section -XXIII of MbPT SOR 2014
 New Item No. 58 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Muccadam	3.00	Nos.	540.38	1621.14	
						2.	Gangman	34.00	Nos.	498.08	16934.72	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					0.00						18555.86	

Total of (M) + (L) =	(I)	= `	18555.86	Total = (I) + (II) =	(III)	= `	21962.72
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1855.59
Add: Allowance for PF @13.61% of (L)		= `	2525.45	Grand Total	=	(III)+(IV)= `	23818.30
Add: Allowance for Employee' insurance @4.75% of (L)		= `	881.40	This is cost for	120.0	Track	Metres
Total of allowances =	(II)	= `	3406.86	Therefore, Unit cost	=		
				23818.30	÷	120.0	=Rs. 198.49
			Say Rs.	198.00	per	Track	Metre

Rate Analysis for 140.0 Track Metres of Item:
Second round of through packing of existing on concrete sleepers etc.

Corresponding Item No. 59 of Section -XXIII of MbPT SOR 2014
 New Item No. 59 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Muccadam	3.00	Nos.	540.38	1621.14	
						2.	Gangman	32.00	Nos.	498.08	15938.56	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					0.00						17559.70	

Total of (M) + (L) =	(I)	= `	17559.70	Total = (I) + (II) =	(III)	= `	20783.66
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	1755.97
Add: Allowance for PF @13.61% of (L)		= `	2389.88	Grand Total	=	(III)+(IV)= `	22539.63
Add: Allowance for Employee' insurance @4.75% of (L)		= `	834.09	This is cost for	140.0	Track	Metres
Total of allowances =	(II)	= `	3223.96	Therefore, Unit cost	=		
				22539.63	÷	140.0	=Rs. 161.00
			Say Rs.	161.00	per	Track	Metre

Rate Analysis for 1.0 Occasion of Item:
Cleaning and removal of kutchra including waste/ domestic garbage including collection of kutchra etc.

Corresponding Item No. 60 of Section -XXIII of MbPT SOR 2014
 New Item No. 60 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Brooms, tools		Lumpsum		20.00	1.	Mazdoor-Male	5.00	Nos.	478.85	2394.25	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					20.00						2394.25	

Total of (M) + (L) =	(I)	= `	2414.25	Total = (I) + (II) =	(III)	= `	2853.83
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	241.43
Add: Allowance for PF @13.61% of (L)		= `	325.86	Grand Total	=	(III)+(IV)= `	3095.26
Add: Allowance for Employee' insurance @4.75% of (L)		= `	113.73	This is cost for	1.0	Occasion	
Total of allowances =	(II)	= `	439.58	Therefore, Unit cost	=		
				3095.26 ÷	1.0	=Rs.	3095.26
			Say Rs. 3095.00	per Occasion			

Rate Analysis for 100.0 Track Metres of Item:
Oiling removing carefully and re-fixing the pandrol clips etc.

Corresponding Item No. 61 of Section -XXIII of MbPT SOR 2014
 New Item No. 61 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Gangman	12.00	Nos.	498.08	5976.96	
TOTAL (M) =Rs.					0.00	TOTAL (L) =Rs.					5976.96	

Total of (M) + (L) =	(I)	= `	5976.96	Total = (I) + (II) =	(III)	= `	7074.33
<u>Add</u> : Allowance for Water charges @1% of (I)		= `		<u>Add</u> : Contractor's over-heads & profit @10% of (I)	(IV)	= `	597.70
<u>Add</u> : Allowance for PF @13.61% of (L)		= `	813.46	Grand Total	=	(III)+(IV)= `	7672.03
<u>Add</u> : Allowance for Employee' insurance @4.75% of (L)		= `	283.91	This is cost for	100.0	Track	Metres
Total of allowances =	(II)	= `	1097.37	Therefore, Unit cost	=		
				7672.03	÷	100.0	=Rs. 76.72
			Say Rs. 77.00	per Track Metre			

Rate Analysis for 1.0 Occasion of Item:
Checking guages cross levels of Railway tracks on wooden/ concrete sleeper including every month etc.

Corresponding Item No. 62 of Section -XXIII of MbPT SOR 2014
 New Item No. 62 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Maistry	2.00	Nos.	540.38	1080.76	
						2.	Gangman	4.00	Nos.	498.08	1992.32	
					TOTAL (M) =Rs.						TOTAL (L) =Rs.	
					0.00						3073.08	

Total of (M) + (L) =	(I)	= `	3073.08	Total = (I) + (II) =	(III)	= `	3637.30
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	307.31
Add: Allowance for PF @13.61% of (L)		= `	418.25	Grand Total	=	(III)+(IV)= `	3944.61
Add: Allowance for Employee' insurance @4.75% of (L)		= `	145.97	This is cost for	1.0	Occasion	
Total of allowances =	(II)	= `	564.22	Therefore, Unit cost	=		
				3944.61 ÷	1.0	=Rs.	3944.61
			Say Rs.	3945.00	per	Occasion	

Rate Analysis for 1.0 Job of Item:
Attending rail fracture including supplying of gas cutter set with welder for gas cutting etc.

Corresponding Item No. 63 of Section -XXIII of MbPT SOR 2014
 New Item No. 63 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for gas cutter etc.		Lumpsum		300.00	1.	Welder	1.00	Nos.	525.00	525.00	
2.	Transport charges		Lumpsum		200.00	2.	Mazdoor-Male	1.00	Nos.	478.85	478.85	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					520.00	TOTAL (L) =Rs.					1003.85	

Total of (M) + (L) =	(I)	= `	1523.85	Total = (I) + (II) =	(III)	= `	1708.16
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	152.39
Add: Allowance for PF @13.61% of (L)		= `	136.62	Grand Total	=	(III)+(IV)= `	1860.54
Add: Allowance for Employee' insurance @4.75% of (L)		= `	47.68	This is cost for	1.0	Job	
Total of allowances =	(II)	= `	184.31	Therefore, Unit cost	=		
				1860.54	÷	1.0	=Rs. 1860.54
			Say Rs. 1861.00			per Job	

Rate Analysis for 1.0 set of Item:
Dismantling of turnout in open (1 in 8 1/2 or 12) on concrete sleepers etc.

Corresponding Item No. 64 of Section -XXIII of MbPT SOR 2014
 New Item No. 64 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Muccadam	6.00	Nos.	540.38	3242.28	
						2.	Fitter I	6.00	Nos.	540.38	3242.28	
						3.	Gangman	60.00	Nos.	498.08	29884.80	
					TOTAL (M) =Rs.					TOTAL (L) =Rs.	36369.36	

Total of (M) + (L) =	(I)	= `	36369.36	Total = (I) + (II) =	(III)	= `	43046.77
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	3636.94
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	4949.87	Grand Total	=	(III)+(IV)= `	46683.71
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	1727.54	This is cost for 1.0 set			
Total of allowances =	(II)	= `	6677.41	Therefore, Unit cost	=		
				46683.71 ÷ 1.0	=Rs.		46683.71
			Say Rs. 46684.00	per set			

Rate Analysis for 1.0 set of Item:
Laying & assembling of turn out on 52 Kg (1 in 8 1/2) on concrete sleepers etc.

Corresponding Item No. 65 of Section -XXIII of MbPT SOR 2014
 New Item No. 65 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Muccadam	13.00	Nos.	540.38	7024.94	
						2.	Fitter I	30.00	Nos.	540.38	16211.40	
						3.	Gangman	170.00	Nos.	498.08	84673.60	
					TOTAL (M) =Rs.					TOTAL (L) =Rs.	107909.94	

Total of (M) + (L) =	(I)	= `	107909.94	Total = (I) + (II) =	(III)	= `	127722.20
<u>Add:</u> Allowance for Water charges @1% of (I)		= `		<u>Add:</u> Contractor's over-heads & profit @10% of (I)	(IV)	= `	10790.99
<u>Add:</u> Allowance for PF @13.61% of (L)		= `	14686.54	Grand Total	=	(III)+(IV)= `	138513.20
<u>Add:</u> Allowance for Employee' insurance @4.75% of (L)		= `	5125.72	This is cost for	1.0	set	
Total of allowances =	(II)	= `	19812.26	Therefore, Unit cost	=		
				138513.20	÷	1.0	=Rs. 138513.20
			Say Rs.	138513.00	per	set	

Rate Analysis for 100.0 Sq.M. of Item:
Uprooting rank vegetation of all types of shrubs, under growth grass etc.

Corresponding Item No. 66 of Section -XXIII of MbPT SOR 2014
 New Item No. 66 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
						1.	Muccadam	0.50	Nos.	540.38	270.19	
						2.	Mazdoor-Male	2.00	Nos.	478.85	957.70	
TOTAL (M) =Rs.					0.00	TOTAL (L) =Rs.					1227.89	

Total of (M) + (L) =	(I)	= `	1227.89	Total = (I) + (II) =	(III)	= `	1453.33
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	122.79
Add: Allowance for PF @13.61% of (L)		= `	167.12	Grand Total	=	(III)+(IV)= `	1576.12
Add: Allowance for Employee' insurance @4.75% of (L)		= `	58.32	This is cost for	100.0	Sq.M.	
Total of allowances =	(II)	= `	225.44	Therefore, Unit cost	=		
				1576.12	÷	100.0	=Rs. 15.76
			Say Rs. 15.80		per	Sq.M.	

Rate Analysis for 1.0 Occasion of Item:
Cutting of tree branches etc.

Corresponding Item No. 67 of Section -XXIII of MbPT SOR 2014
 New Item No. 67 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for tools		Lumpsum		150.00	1.	Muccadam	1.00	Nos.	540.38	540.38	
2.	Sundries		Lumpsum		20.00	2.	Mazdoor-Male	6.00	Nos.	478.85	2873.10	
TOTAL (M) =Rs.					170.00	TOTAL (L) =Rs.					3413.48	

Total of (M) + (L) =	(I)	= `	3583.48	Total = (I) + (II) =	(III)	= `	4210.19
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	358.35
Add: Allowance for PF @13.61% of (L)		= `	464.57	Grand Total	=	(III)+(IV)= `	4568.54
Add: Allowance for Employee' insurance @4.75% of (L)		= `	162.14	This is cost for	1.0	Occasion	
Total of allowances =	(II)	= `	626.71	Therefore, Unit cost	=		
				4568.54	÷	1.0	=Rs. 4568.54
			Say Rs. 4569.00	per Occasion			

Rate Analysis for 10000 Sq.M. of Item:
Supply & spreading weedicide over the areas of approved manufacturer etc.

Corresponding Item No. 68 of Section -XXIII of MbPT SOR 2014
 New Item No. 68 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Weedicide	3.00	Lits.	338.98	1016.95	1.	Muccadam	2.00	Nos.	540.38	1080.76	
2.	Hire charges for sprayer		Lumpsum		700.00	2.	Mazdoor-Male	10.00	Nos.	478.85	4788.50	
3.	Sundries		Lumpsum		20.00							
TOTAL (M) =Rs.					1736.95	TOTAL (L) =Rs.					5869.26	

Total of (M) + (L) =	(I)	= `	7606.21	Total = (I) + (II) =	(III)	= `	8683.81
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	760.62
Add: Allowance for PF @13.61% of (L)		= `	798.81	Grand Total	=	(III)+(IV)= `	9444.43
Add: Allowance for Employee' insurance @4.75% of (L)		= `	278.79	This is cost for	10000	Sq.M.	
Total of allowances =	(II)	= `	1077.60	Therefore, Unit cost	=		
				9444.43	÷	10000	=Rs. 0.94
			Say Rs. 0.90	per	Sq.M.		
			OR Rs. 90.00	per	100.0	Sq.M.	

Rate Analysis for 500.0 Nos. of Item:
Removing of Seized E.R.C. from MCI inserts of existing track after heating etc.

Corresponding Item No. 69 of Section -XXIII of MbPT SOR 2014
 New Item No. 69 of Section -XXIII
 NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Hire charges for gas cutting set, cylinder etc.	1.00	day	3389.84	3389.84	1.	Welder	2.00	Nos.	525.00	1050.00	
2.	Sundries		Lumpsum		150.00	2.	Gangman	12.00	Nos.	498.08	5976.96	
TOTAL (M) =Rs.					3539.84	TOTAL (L) =Rs.					7026.96	

Total of (M) + (L) = (I) = ` 10566.80

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances =

(II) = ` 1290.15

Say Rs.

Total = (I) + (II) = (III) = ` 11856.95

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 12913.63

This is cost for 500.0 Nos.

Therefore, Unit cost = 12913.63 ÷ 500.0 =Rs. 25.83

per each

26.00

Rate Analysis for 1.00 Cu.M. of Item:
Lime Mortar (1:2)

Corresponding Item No. 1 of Basic Rates of Mortar of MbPT SOR 2014 Annexure-II
New Item No. 1 of Basic Rates of Mortar Annexure-II
NBO Ref. No.2.5.2 Page:15 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Unslacked Lime	3.010	qntl.	788.14	2372.29	1.	Bhisti	1.33	No.	478.85	636.87	
2.	Sand	0.950	Cu.M.	2994.92	2845.18	2.	Mazdoor-Male	0.10	No.	478.85	47.89	
3.	Hire & running charges of mechanical mortar mill		Lumpsum		80.00							
4.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					5327.47	TOTAL (L) =Rs.					684.76	

Total of (M) + (L) =	(I)	= `	6012.23	Total = (I) + (II) =	(III)	= `	6137.95
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	Nil
Add: Allowance for PF @13.61% of (L)		= `	93.20	Grand Total		=	(III)+(IV)= ` 6137.95
Add: Allowance for Employee' insurance @4.75% of (L)		= `	32.53	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	125.72	Therefore, Unit cost	6137.95	÷	1.00 =Rs. 6137.95
			Say Rs. 6138.00			per Cu.M.	

Rate Analysis for 1.00 Cu.M. of Item:
Cement Mortar (1:2)

Corresponding Item No. 2 of Basic Rates of Mortar of MbPT SOR 2014 Annexure-II
New Item No. 2 of Basic Rates of Mortar Annexure-II
NBO Ref. No.2.5.12 Page:19 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.680	MT	5762.73	3918.66	1.	Bhisti	0.30	No.	478.85	143.66	
2.	Sand	0.950	Cu.M.	2994.92	2845.18	2.	Mazdoor-Male	0.60	No.	478.85	287.31	
3.	Hire & running charges of mechanical mortar mill		Lumpsum		50.00							
4.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					6843.83	TOTAL (L) =Rs.					430.97	

Total of (M) + (L) =	(I)	= `	7274.80	Total = (I) + (II) =	(III)	= `	7353.92
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	Nil
Add: Allowance for PF @13.61% of (L)		= `	58.65	Grand Total	=	(III)+(IV)= `	7353.92
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.47	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	79.13	Therefore, Unit cost	7353.92	÷	1.00 =Rs. 7353.92
			Say Rs. 7354.00		per Cu.M.		

Rate Analysis for 1.00 Cu.M. of Item:
Cement Mortar (1:3)

Corresponding Item No. 3 of Basic Rates of Mortar of MbPT SOR 2014 Annexure-II
New Item No. 3 of Basic Rates of Mortar Annexure-II
NBO Ref. No.2.5.13 Page:19 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.510	MT	5762.73	2938.99	1.	Bhisti	0.30	No.	478.85	143.66	
2.	Sand	1.070	Cu.M.	2994.92	3204.57	2.	Mazdoor-Male	0.60	No.	478.85	287.31	
3.	Hire & running charges of mechanical mortar mill		Lumpsum		50.00							
4.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					6223.56	TOTAL (L) =Rs.					430.97	

Total of (M) + (L) =	(I)	= `	6654.52	Total = (I) + (II) =	(III)	= `	6733.65
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	Nil
Add: Allowance for PF @13.61% of (L)		= `	58.65	Grand Total	=	(III)+(IV)= `	6733.65
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.47	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	79.13	Therefore, Unit cost	6733.65	÷	1.00 =Rs. 6733.65
			Say Rs. 6734.00		per Cu.M.		

Rate Analysis for 1.00 Cu.M. of Item:
Cement Mortar (1:4)

Corresponding Item No. 4 of Basic Rates of Mortar of MbPT SOR 2014 Annexure-II
New Item No. 4 of Basic Rates of Mortar Annexure-II
NBO Ref. No.2.5.14 Page:20 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.380	MT	5762.73	2189.84	1.	Bhisti	0.30	No.	478.85	143.66	
2.	Sand	1.070	Cu.M.	2994.92	3204.57	2.	Mazdoor-Male	0.60	No.	478.85	287.31	
3.	Hire & running charges of mechanical mortar mill		Lumpsum		50.00							
4.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					5474.40	TOTAL (L) =Rs.					430.97	

Total of (M) + (L) =	(I)	= `	5905.37	Total = (I) + (II) =	(III)	= `	5984.50
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	Nil
Add: Allowance for PF @13.61% of (L)		= `	58.65	Grand Total	=	(III)+(IV)= `	5984.50
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.47	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	79.13	Therefore, Unit cost	=		
				5984.50	÷	1.00	=Rs. 5984.50
			Say Rs. 5984.00		per	Cu.M.	

Rate Analysis for 1.00 Cu.M. of Item:
Cement Mortar (1:5)

Corresponding Item No. 5 of Basic Rates of Mortar of MbPT SOR 2014 Annexure-II
 New Item No. 5 of Basic Rates of Mortar Annexure-II
 NBO Ref. No.2.5.15 Page:20 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.310	MT	5762.73	1786.45	1.	Bhisti	0.30	No.	478.85	143.66	
2.	Sand	1.070	Cu.M.	2994.92	3204.57	2.	Mazdoor-Male	0.60	No.	478.85	287.31	
3.	Hire & running charges of mechanical mortar mill		Lumpsum		50.00							
4.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					5071.01	TOTAL (L) =Rs.					430.97	

Total of (M) + (L) =	(I)	= `	5501.98	Total = (I) + (II) =	(III)	= `	5581.10
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	Nil
Add: Allowance for PF @13.61% of (L)		= `	58.65	Grand Total		=	(III)+(IV)= ` 5581.10
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.47	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	79.13	Therefore, Unit cost		=	
				5581.10	÷	1.00	=Rs. 5581.10
			Say Rs. 5581.00		per	Cu.M.	

Rate Analysis for 1.00 Cu.M. of Item:
Cement Mortar (1:6)

Corresponding Item No. 6 of Basic Rates of Mortar of MbPT SOR 2014 Annexure-II
New Item No. 6 of Basic Rates of Mortar Annexure-II
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MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	0.250	MT	5762.73	1440.68	1.	Bhisti	0.30	No.	478.85	143.66	
2.	Sand	1.070	Cu.M.	2994.92	3204.57	2.	Mazdoor-Male	0.60	No.	478.85	287.31	
3.	Hire & running charges of mechanical mortar mill		Lumpsum		50.00							
4.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					4725.25	TOTAL (L) =Rs.					430.97	

Total of (M) + (L) =	(I)	= `	5156.22	Total = (I) + (II) =	(III)	= `	5235.34
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	Nil
Add: Allowance for PF @13.61% of (L)		= `	58.65	Grand Total		=	(III)+(IV)= ` 5235.34
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.47	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	79.13	Therefore, Unit cost	5235.34	÷	1.00 =Rs. 5235.34
			Say Rs. 5235.00			per Cu.M.	

Rate Analysis for 21.00 Kgs. of Item:
Polymer Mortar

Corresponding Item No. 7 of Basic Rates of Mortar of MbPT SOR 2014 Annexure-II
New Item No. 7 of Basic Rates of Mortar Annexure-II
NBO Ref. No. . Page: Vol:

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Polymer	1.000	Kg.	224.58	224.58	1.	Skilled labour		Lumpsum		180.00	
2.	Cement	0.005	MT	5762.73	28.81		cost					
3.	Quartz sand	15.00	Kgs.	5.93	88.98							
4.	Sundries, carriage, mixing etc.		Lumpsum		50.00							
TOTAL (M) =Rs.					392.37	TOTAL (L) =Rs.					180.00	

Total of (M) + (L) = (I) = ` 572.37

Add: Allowance for Water charges @1% of (I)

Add: Allowance for PF @13.61% of (L)

Add: Allowance for Employee' insurance @4.75% of (L)

Total of allowances = (II) = ` 33.05

Say Rs. 29.00

Total = (I) + (II) = (III) = ` 605.42

Add: Contractor's over-heads & profit @10% of (I)

Grand Total = (III)+(IV)= ` 605.42

This is cost for 21.00 Kgs.

Therefore, Unit cost = 605.42 ÷ 21.00 =Rs. 28.83

per Kg.

Rate Analysis for 1.00 Cu.M. of Item:
Cement Mortar (1:1)

Corresponding Item No. 8 of Basic Rates of Mortar of MbPT SOR 2014 Annexure-II
New Item No. 8 of Basic Rates of Mortar Annexure-II
NBO Ref. No.2.5.11. Page:19 Vol:I

MATERIAL COMPONENT (All RATES inclusive of VAT)						LABOUR COMPONENT						REMARKS
Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	Sr. No.	Description	Qty.	Unit	Rate	Amount in Rs.	
1.	Cement	1.020	MT	5762.73	5877.98	1.	Bhisti	0.30	No.	478.85	143.66	
2.	Sand	0.7125	Cu.M.	2994.92	2133.88	2.	Mazdoor-Male	0.60	No.	478.85	287.31	
3.	Hire & running charges of mechanical mortar mill		Lumpsum		50.00							
4.	Sundries, carriage etc.		Lumpsum		30.00							
TOTAL (M) =Rs.					8091.87	TOTAL (L) =Rs.					430.97	

Total of (M) + (L) =	(I)	= `	8522.83	Total = (I) + (II) =	(III)	= `	8601.96
Add: Allowance for Water charges @1% of (I)		= `		Add: Contractor's over-heads & profit @10% of (I)	(IV)	= `	Nil
Add: Allowance for PF @13.61% of (L)		= `	58.65	Grand Total	=	(III)+(IV)= `	8601.96
Add: Allowance for Employee' insurance @4.75% of (L)		= `	20.47	This is cost for	1.00	Cu.M.	
Total of allowances =	(II)	= `	79.13	Therefore, Unit cost	=		
				8601.96	÷	1.00	=Rs. 8601.96
			Say Rs. 8602.00		per Cu.M.		

Input Data - Material Rates

Annexure - I

Basic Material Rates adopted for Rate Analysis for SOR 2017

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
<u>SECTION - III</u> <u>EARTH WORK</u>			
1	Kail wood (for polling board)	Cu.M.	17,711.07
2	Murum	Cu.M.	1,077.97
3	Bullies - 125 mm dia.	Mtr.	93.22
4	Good quality Murum	Cu.M.	1,077.97
5	Transportation charges for debris/ kutchra	Cu.M.	614.51
<u>SECTION - IV</u> <u>PLAIN CEMENT CONCRETE (PCC) WORK</u>			
6	Stone aggregate/ chips (10/12 mm)	Cu.M.	898.31
7	Stone aggregate (20 mm - 40 mm)	Cu.M.	898.31
8	Coarse sand (River sand)	Cu.M.	2,994.92
9	Cement	MT	5,762.73
10	Rubble	Cu.M.	538.98
11	Pre-cast concrete block (solid) (1:2:4 mix.) (size 39 cm x 20 cm x 19 cm)	Each	76.81
12	Pre-cast concrete hollow blocks (1:2:4 mix) (size 39 cm x 10 cm x 19 cm)	Each	43.21
13	Pre-cast concrete hollow block (1:2:4 mix) (size 39 cm x 15 cm x 19 cm)	Each	55.69
14	Pre-cast concrete hollow blocks (1:2:4 mix) (size 39 cm x 20 cm x 19 cm)	Each	65.29
15	Marine plywood 9 mm thick	Sq.M.	504.24
16	Water proofing compound	Kg.	46.61

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
<u>SECTION - V</u> <u>CEMENT CONCRETE WORK IN RCC MEMBERS</u>			
17	Mild Steel	MT	38,983.16
18	HYD bars	MT	41,525.54
19	Carriage from Kalamboli to MbPT Estate (including loading, unloading)	MT	1,694.92
20	RCC pre-cast door frame - 100X63mm - 0.75X2.0 Mtrs. opening	Each	974.58
21	RCC pre-cast louvered window - 0.6X1.0 Mtr.	Each	627.12
22	Ground glass - 4 mm thick	Sq.M.	434.75
23	Polycrete micro-concrete	Kg.	16.95
24	Polycrete-A	Kg.	21.19
25	Sunepoxy 368/ Polyalk EP or equivalent (Epoxy bonding coat)	Lit.	398.31
26	Polyalk CP293	Lit.	177.97
27	Polytancrete NGT	Lit.	55.08
28	Ready Mix Concrete (RMC)		
a)	M-10 grade	Cu.M.	3,911.03
b)	M-20 grade	Cu.M.	4,422.05
c)	M-25 grade	Cu.M.	4,617.81
d)	M-30 grade	Cu.M.	4,851.71
e)	M-35 grade	Cu.M.	5,072.05
f)	M-40 grade	Cu.M.	5,207.64
29	Thermo mechanically treated (TMT) bars (reinforcement)	qntl.	4,137.72
30	Epoxy coating for TMT bars	qntl.	1,186.44

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
<u>SECTION - VI</u> <u>BRICK WORK</u>			
31	Common clay burnt bricks	1000 Nos.	5,084.76
32	Brick bats	Cu.M.	1,864.41
33	Siporex blocks	Cu.M.	4,613.57
<u>SECTION - VII</u> <u>STONE WORK</u>			
34	Rubble	Cu.M.	538.98
35	Through Stone	Each	59.32
36	Trap Stone	Cu.M.	538.98
<u>SECTION - VIII</u> <u>FLOOR FINISHING WORK</u>			
37	Stone aggregate - 12.5 mm	Cu.M.	898.31
38	Stone ballast	Cu.M.	805.09
39	Water proofing compound	Kg.	46.61
40	Polyalk WP	Kg.	245.76
41	Pre-cast plain cement tiles - 250 X 250 mm - 20 mm thick		
a)	Grey color	Sq.M.	161.31
b)	Red/ Chocolate/ Fawn Yellow color	Sq.M.	185.31
c)	White/ Pink/ Green or Cream Yellow color	Sq.M.	197.80
42	Dark/ medium/ light shaded pigment	Kg.	41.29
43	White cement	Kg.	25.42
44	White pigment (Titanium Oxide)	Kg.	59.32
45	Pre-cast chequered cement tiles - 250 X 250 mm - 20 mm thick		
a)	Grey color	Sq.M.	187.29

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
b)	Red/ Chocolate/ Fawn Yellow color	Sq.M.	187.29
c)	White/ Pink/ Green or Cream Yellow color	Sq.M.	187.29
46	Green marble 16-20 mm thick	Sq.M.	584.75
47	Pre-cast terrazo tiles - 22-25 mm thick chip size upto 6 mm - 250 X 250 mm size		
a)	Grey color	Sq.M.	180.51
b)	White/ light coloured	Sq.M.	208.36
48	Pre-cast heavy duty tiles - 25 mm thick - 250 X 250 mm		
a)	Grey color	Sq.M.	278.45
b)	Red/ Chocolate/ Fawn Yellow color	Sq.M.	334.14
c)	White/ Pink/ Green or Cream Yellow color	Sq.M.	376.39
49	Kota stone, 22-40 mm thick	Sq.M.	346.61
50	Tandur stone slabs of 22-40 mm thick	Sq.M.	300.85
51	Ceramic tiles - 30 cm X 30 cm	Sq.M.	347.46
52	Ceramic tiles	Sq.M.	347.46
53	Marble white tiles with grey veins - adanga commercial		
a)	Size: 0.45 X 0.45 Mtr.	Sq.M.	974.58
b)	Size: 0.60 X 2.00 Mtrs.	Sq.M.	1,076.27
c)	Size: 0.90 X 2.40 Mtrs.	Sq.M.	1,231.36
54	Marble chips	qntl.	1,169.49
55	Unslacked lime	qntl.	788.14
56	Marble powder	Kg	7.63
57	Aluminium Strips	Kg.	161.02

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
58	Vinyl flooring - 3 mm thick	Sq.M.	805.09
59	Marble slab with Grey veins - 16 to 20 mm thick	Sq.M.	686.44
60	Marble slab		
a)	0.6 X 2 Mtrs.	Sq.M.	686.44
b)	0.90 X 2 Mtrs.	Sq.M.	686.44
61	Granite stone Red/ Black - 16 to 20 mm thick	Sq.M.	2,177.97
62	Brass frame	foot	55.08
63	Marbonite tiles - 800 mm x 800 mm or nearer (HR Johnson)		
a)	Special marble series	Sq.M.	1,103.24
b)	Classic marble series	Sq.M.	1,161.81
c)	Granite series	Sq.M.	1,784.96
64	Marbonite tiles - 600 mm x 600 mm or nearer		
a)	Special marble series	Sq.M.	744.92
b)	Classic marble series	Sq.M.	961.87
c)	Granite series	Sq.M.	1,347.46
65	China mosaic chips	Kg.	6.78
66	Oil primer	Lit.	110.17
67	Atactic Poly Propylene (APP) - 4 mm thick	Sq.M.	211.87
68	Atactic Poly Propylene (APP) - 3 mm thick	Sq.M.	173.73
69	Bituminous Aluminium Paint	Lit.	152.54
<u>SECTION - IX</u>			
<u>PLASTERING & POINTING WORK</u>			
70	Geru (Red Oxide)	MT	11,864.44
71	Gunmixaid	Kg.	40.68

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
72	Sunplex (Pouch of 330 grams)	Pouch	42.37
73	Pre-packed Ready Mix Plaster of Silico plast - 40 Kgs. Bag	Bag	220.34
<u>SECTION - X</u> <u>PAINTING & POLISHING WORK</u>			
74	Lime	qntl.	1,991.53
75	Cement Primer	Lit.	131.36
76	Oil Bound Distemper	Kg.	63.56
77	Water proof cement paint (Colourcem/ Nitcocem/ Supremecem)	Kg.	32.20
78	Water proof cement paint (Snowcem Plus)	Kg.	40.68
79	Ready mixed primer (Red oxide)	Lit.	110.17
80	Plastic emulsion paint	Lit.	105.93
81	Synthetic flat paint	Lit.	167.07
82	Synthetic enamel paint	Lit.	220.34
83	Aluminium paint	Lit.	254.24
84	Velvet Paint	Lit.	364.41
85	Spirit	Lit.	77.97
86	Linseed oil	Lit.	135.59
87	Road marking paint	Lit.	186.44
88	Paint remover	Lit.	139.83
89	Kerosene oil	Lit.	53.28
90	Ready mixed wood primer for wood work	Lit.	139.83
91	Ready mixed primer (Red Oxide) to steel surface	Lit.	110.17
92	Whiting	Kg.	9.32

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
93	Polycoat-TST	Lit.	233.05
94	Water repellent S-101	Lit.	173.73
95	Exterior Grade 'Apex Acrylic' from Asian paints	Lit.	190.68
96	Sunext-8	Lit.	150.00
97	Exterior wall primer	Lit.	110.17
98	Yellow Zinc chromate primer (Rs.2812.40 per 20 lit.)	Lit.	148.31
99	Wood primer		
a)	White	Lit.	97.46
b)	Pink	Lit.	91.53
100	Sunnoflame	Kg.	288.14
101	Sandtex matt	Lit.	194.92
102	Polytext Finish	Kg.	42.37
103	Shellac/ Wood filler	Kg.	211.87
104	Exterior wall primer	Lit.	110.17
105	Touch Wood Polyurethane	Lit.	230.51
106	Hire charges for Polishing machine	Day	262.71
107	Plastic emulsion	Lit.	177.97
108	Aluminium paint	Lit.	245.76
109	Tuffkote Drinklon Aluminium Black Paint	Lit.	177.97
110	Elastomeric rubberized paint (Raincoat or eq.)	Lit.	330.51
111	Exterior primer (Primeseal or eq.)	Lit.	237.29

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
<u>SECTION - XI</u> <u>STEEL WORK</u>			
112	Steel members		
a)	R.S. Joists	qntl.	4,264.42
b)	ISMB – 100	qntl.	4,204.25
c)	ISMB – 300	qntl.	4,271.20
d)	ISMB – 450	qntl.	4,377.98
e)	ISMB – 600	qntl.	4,583.06
113	Flats	qntl.	4,022.05
114	Gusset plate (10mm thick)	qntl.	4,583.06
115	Holding down bolts	qntl.	6,198.32
116	m.s. Channels	qntl.	4,022.05
117	m.s. Grills fabricated		
a)	Weighing 15 – 20 Kgs. per Sq.M.	Sq.M.	1,190.68
b)	Weighing 20 – 25 Kgs. per Sq.M.	Sq.M.	1,601.70
c)	Weighing 25 – 30 Kgs. per Sq.M.	Sq.M.	1,813.56
118	Supply of steel windows including glazing and painting	Sq.M.	1,823.73
119	Plain glass per mm thickness	Sq.M.	108.47
120	Ready made steel door with hinges, Iron plug with nuts and spring to hold glass panels	Sq.M.	1,687.29
121	Bolts/ Rivetts	qntl.	7,545.78
122	Rolling shutter 20 guage	Sq.M.	2,118.65
123	Welding charge	Mtr.	93.22

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
124	Unserviceable rails	Mtr.	222.03
125	m.s. Angles	qntl.	4,022.05
126	Flats/ plates - 6mm thick	qntl.	4,583.06
127	m.s. double leaf sliding door	qntl.	4,830.52
128	Structural steel hollow sections	qntl.	4,800.86
129	Split bolt		
a)	20 mm dia. 150 mm long	Each	66.10
b)	16 mm dia. 125 mm long	Each	38.14
c)	12 mm dia. 100 mm long	Each	16.95
130	Steel fabrication	Kg.	25.42
131	Carriage for steel members	qntl.	211.87
132	Galvanizing of steel members - Min. 100 micron coating	qntl.	2,203.40
<u>SECTION - XII</u>			
<u>WOOD WORK</u>			
133	Second class Indian Teak Wood	Cu.M.	63,279.84
134	Iron oxidised butt hinges		
a)	100 X 58 X 1.9 mm	Each	25.42
b)	50 X 37 X 1.4 mm	Each	16.95
135	Particle board 12 mm thick	Sq.M.	434.75
136	Beading decorative (20 X 8 mm)	Mtr.	22.03
137	Curtain rod brackets	Each	40.68
138	Curtain channel	Mtr.	67.80
139	Decorative teak ply 12 mm thick with veneer on one face	Sq.M.	1,337.29

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
140	Anodized aluminium curtain rod - 16 mm dia.	Mtr.	72.03
141	Curtain rollers	Each	3.39
142	Curtain stop ends	Each	6.78
143	Decorative ply 4 mm thick	Sq.M.	289.83
144	Expanded metal 20 X 60 mm mesh 3.25 mm wide X 10 gauge	Sq.M.	123.73
145	Steel weld mesh (BRC) 3" X 1", 13 gauge X 9 gauge	Sq.M.	133.90
146	Bamboo mats (5' X 3' i.e.1.40 Sq.M.)	Sq.M.	33.05
147	Bamboo batten (8' to 12')	Mtr.	15.25
148	Brass single acting spring hinge		
a)	100 mm size	Each	275.42
b)	150 mm size	Each	300.85
149	Brass double acting spring hinge		
a)	100 mm long	Each	266.95
b)	150 mm long	Each	317.80
150	'Godrej' night latch	Each	661.02
151	Peep hole wide angle lens	Each	63.56
152	Hydraulic Door closure	Each	542.37
153	Door letter box plate (Brass) (200mm long)	Each	305.09
154	Iron oxidised pegs (hooks)	Each	8.47
155	Anodized aluminium pegs (hooks)	Each	23.73
156	T-hinges (100 X 250 X 2.24 mm)	Each	37.29
157	Anodised brass pegs (hooks)	Each	27.12

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
158	Brass metallic door stopper	Each	100.00
159	Aluminium metallic door stopper	Each	33.90
160	Eye hook, m.s. oxidised		
a)	100 mm	Each	8.05
b)	150 mm	Each	10.17
c)	200 mm	Each	12.71
161	Eye hook, Brass Oxidised		
a)	100 mm	Each	23.73
b)	150 mm	Each	39.83
c)	200 mm	Each	50.85
162	Eye hook, anodized aluminium		
a)	100 mm	Each	12.71
b)	150 mm	Each	16.95
c)	200 mm	Each	15.25
163	Handles		
a)	Handles - Iron oxidised - 100 mm	Each	8.47
b)	Handles - m.s. oxidised - 150 mm	Each	11.86
c)	Handles - Brass oxidised		
(i)	100 mm	Each	42.37
(ii)	150 mm	Each	44.07
(iii)	200 mm	Each	50.85
d)	Handles - Anodized aluminium		
(i)	100 mm	Each	12.71
(ii)	150 mm	Each	25.42

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
	(iii) 200 mm	Each	29.66
164	Aldrops		
	a) Aldrops - Iron oxidised with 12 mm rod		
	(i) 200 mm	Each	55.08
	(ii) 250 mm	Each	69.49
	(iii) 300 mm	Each	76.27
	b) Aldrops - Brass oxidised with 12 mm rod		
	(i) 200 mm	Each	317.80
	(ii) 250 mm	Each	444.92
	(iii) 300 mm	Each	576.27
	(iv) 350 mm	Each	796.61
	c) Aldrops - Anodised aluminium with 12 mm rod		
	(i) 200 mm	Each	72.03
	(ii) 250 mm	Each	101.70
	(iii) 300 mm	Each	152.54
165	Tower bolts		
	a) Tower bolts - Iron oxidised with 7 mm rod		
	(i) 100 mm	Each	8.47
	(ii) 150 mm	Each	13.56
	(iii) 200 mm	Each	25.42
	b) Tower bolts - Brass oxidised with 8 mm rod		
	(i) 100 mm	Each	57.63
	(ii) 150 mm	Each	101.70
	(iii) 200 mm	Each	120.34
	c) Tower bolts - Anodised aluminium		
	(i) 100 mm	Each	18.64

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
	(ii) 150 mm	Each	22.88
	(iii) 200 mm	Each	27.12
166	Door latches		
a)	Door latches - Iron oxidised		
	(i) 200 mm	Each	30.51
	(ii) 250 mm	Each	38.14
	(iii) 300 mm	Each	46.61
b)	Door latches - Brass oxidised		
	(i) 200 mm	Each	93.22
	(ii) 250 mm	Each	110.17
	(iii) 300 mm	Each	177.97
c)	Door latches - Anodised aluminium		
	(i) 200 mm	Each	46.61
	(ii) 250 mm	Each	63.56
	(iii) 300 mm	Each	67.80
167	Door Stoppers		
a)	Door Stopper, Brass	Each	76.27
b)	Door Stopper, C.P. Brass	Each	93.22
c)	Door Stopper, Powder coated	Each	33.90
d)	Door Stopper, Aluminium	Each	27.97
168	Teak wood Lipping (3 mm)	Mtr.	23.73
169	Wire gauge	Sq.M.	436.44
170	Brass Screws		
a)	20 mm	Each	1.27
b)	40 mm	Each	3.39

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
171	Battens (12X12 mm size)	Mtr.	12.71
172	Screws		
a)	40 mm	100 Nos.	72.03
b)	25 mm	100 Nos.	63.56
173	Sash bar	Mtr.	38.14
174	Decorative door shutter		
a)	40 mm thick	Sq.M.	1,889.84
b)	35 mm thick	Sq.M.	1,550.85
c)	30 mm thick	Sq.M.	1,457.63
d)	25 mm thick	Sq.M.	1,432.21
175	Non Decorative door shutter		
a)	40 mm thick	Sq.M.	1,086.44
b)	35 mm thick	Sq.M.	931.36
c)	30 mm thick	Sq.M.	879.66
d)	25 mm thick	Sq.M.	724.58
176	One face veneer & other face non-decorative		
a)	40 mm thick	Sq.M.	1,538.14
b)	35 mm thick	Sq.M.	1,366.11
c)	30 mm thick	Sq.M.	1,314.41
d)	25 mm thick	Sq.M.	1,159.33
177	C.P.M.S. Eye hook		
a)	4"	Each	8.47
b)	6"	Each	10.17
c)	8"	Each	12.71

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
d)	10"	Each	15.25
e)	12"	Each	22.03
178	Non decorative waterproof ply - 19 mm thick	Sq.M.	848.31
179	Aluminium Aldrop - 10" - 250 mm long	Each	161.02
180	Brass Aldrop - 10" - 250 mm long	Each	266.95
181	Teak wood bracket	Each	35.59
182	Aluminium tower bolt - 6" long	Each	76.27
183	Aluminium Peg	Each	13.56
184	Anodised Aluminium butt hinges 4"	Each	64.41
185	Brass hinges 100 X 58 X 19 mm	Each	93.22
186	Decorative Teak ply waterproof - 6 mm thick	Sq.M.	807.63
187	Aluminium handle - 6" long	Each	23.73
188	G.I. Sheet Plain - 20 guage	Sq.M.	347.46
189	Towel rod Aluminium powder coated - 60 cm	Each	154.24
190	Towel rod Brass Chromium plated	Each	313.56
191	Hardner panel sheet	Sq.M.	459.32
192	Rubber Gasket	Mtr.	8.47
193	Stainless steel hinges heavy - 100 mm	Each	33.90
194	Aluminium channel - 6 mm	Mtr.	21.19
195	Aluminium section for sides of door	Mtr.	122.03
196	Aluminium section for middle portion of door	Mtr.	160.17

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
<u>SECTION - XIII</u> <u>ROOFING WORK</u>			
197	Mangalore tiles (Std. size)	100 Nos.	1,796.62
198	Red ochre paint	Kg.	37.29
199	Mangalore tile ridges	100 Nos.	5,389.85
200	A.C. Sheets - Plain/ Corrugated - 6 mm thick	Sq.M.	200.00
201	G.I. 'J' / 'L' hooks with nuts & bolts - 8 mm dia.	Each	15.25
202	G.I. Washers	Each	1.69
203	Bitumen washers	Each	1.69
204	A.C. Sheets (semi corrugated) - 6 mm thick	Sq.M.	193.22
205	A.C. Closed fitting adjustable ridges - 6 mm thick	Pair	378.31
206	A.C. adjustable ridges - 1.22 Mtrs. length		
	a) Serrated ridges	Pair	211.87
	b) Unserrated ridges	Pair	233.05
207	A.C. North light two pieces adjustable ridges (1.22 Mtrs. length)	Pair	594.35
208	Plain A.C. Ridges (1.22 Mtrs. length)	Each	243.22
209	A.C. Air extractor (roof) (30" dia.)	Each	8,295.89
210	A.C. Cowl type ventilator	Each	223.72
211	A.C. Roof light	Each	964.01
212	A.C. Ridge finials	Pair	109.46
213	Apron flashing pieces (1.12 Mtrs. long)	Each	178.59
214	Eaves filler pieces (1.016 Mtrs. long)	Each	126.74
215	North light ventilator curves (1.016 Mtrs. long)	Each	264.05
216	'S' type louvers (1.83 Mtrs. long)	Each	130.58

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
217	G.I. Bolts - 10 mm dia. both side threaded with G.I. nuts	Each	12.71
218	G.I. Bolts - 16 mm dia. - 7 cm long with nuts	Each	23.73
219	Barge board		
a)	2.44 Mtrs. length	Each	366.79
b)	1.83 Mtrs. length	Each	275.57
220	Seam bolts, nuts - 6 mm dia., 25 mm long	Each	5.76
221	A.C. Socketed half round eaves gutter		
a)	150 mm dia. - 1.83 Mtrs. length	Each	453.20
b)	225 mm dia. - 1.83 Mtrs. length	Each	624.11
c)	300 mm dia. - 1.83 Mtrs. length	Each	748.93
222	Plastic roofing compound	Kg.	111.86
223	Asbestos strips - 48 mm wide, 6 mm thick	Mtr.	139.22
224	A.C. Plain ended valley gutter		
a)	400 X 125 X 250 mm	Each	1,094.60
b)	450 X 125 X 150 mm	Each	960.17
c)	600 X 150 X 225 mm	Each	1,273.19
225	G.I. Corrugated sheet - 24 gauge - (10' X 3')	Each	635.60
226	Plain G.I. Sheet - 20 gauge (8' X 4')	Each	1,377.12
227	m.s. flat iron bracket for half round gutter	Each	124.82
228	Union Clips		
a)	400 mm	Each	88.34
b)	450 mm	Each	120.98
c)	600 mm	Each	144.03
d)	900 mm	Each	201.64

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
229	AC rope	Mtr.	32.65
230	Transparent fibre glass sheet - 3 mm thick	Sq.M.	614.41
231	Compressor -Rental charges - with breaker & diesel	Day	3,220.35
232	Compressor operational charges	Day	423.73
233	Pre-painted Al-zinc alloy coated (Galvalum) steel sheet Average 0.5 mm thick	Sq.M.	330.51
<u>SECTION - XV</u> <u>ROAD WORK</u>			
234	Rubble stone for soling	Cu.M.	538.98
235	Stone dust	Cu.M.	1,197.46
236	Stone metal - 40 to 90 mm size	Cu.M.	974.58
237	Stone metal - 40 to 63 mm size	Cu.M.	1,135.60
238	Stone grit/ stine chips - 6 mm size	Cu.M.	1,372.89
239	Bitumen		
a)	60/70 grade	Kg.	32.86
b)	80/100 grade	Kg.	34.92
c)	30/40 grade	Kg.	31.98
240	Bitumen Primer	Lit.	66.10
241	Steam Coal	Kg.	15.25
242	Wire Brushes	Each	145.76
243	Soft Brushes	Each	59.32
244	Polythene sheet - 75 micron	Sq.M.	23.04
245	Pre-moulded asphalt filler - 18 mm	Sq.M.	462.80
246	H.D. bolts - 16mm dia., 350mm long	Each	76.81

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
247	Bullies (non-teak)		
a)	150 mm dia.	Mtr.	110.17
b)	125 mm dia.	Mtr.	93.22
c)	100 mm dia.	Mtr.	76.27
d)	80 mm dia.	Mtr.	59.32
e)	75 mm dia.	Mtr.	55.08
248	Sett Stone C. C.	Sq.M.	120.02
249	Road roller hire charges including diesel, driver, idle time etc.	Day	5,508.49
250	Boiler hire charges	Day	1,694.92
251	Mixer hire charges	Day	2,966.11
252	Diesel	Lit.	54.99
253	Kerb stone	Mtr.	161.31
254	Stone water table	Mtr.	172.83
255	Concrete Paver block grey color - 100 mm thick	Sq.M.	640.68
256	60mm thick	Sq.M.	422.04
b)	80 mm thick	Sq.M.	558.48
257	Concrete Paver block - coloured - 100 mm thick	Sq.M.	662.71
a)	60mm thick	Sq.M.	470.34
b)	80 mm thick	Sq.M.	600.00
258	Asphalt seal coat 7-8% bitumen 30-40 grade, 86-87% grit , 6% filler	MT	4,217.08
259	Vibratory roller hire charges	Day	10,593.25
260	Milling asphaltic surfaces upto 55 mm depth	Sq.M.	105.93

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
261	Hire charges for JCB with operator, diesel etc.	Day	6,101.71
262	Hire charges for Dumper lorry		
a)	With operator, diesel etc.	Day	5,932.22
b)	With operator, diesel etc.	Trip	2,966.11
263	Hire charges for Bulldozer TD 80 with 12' blade	Day	12,711.90
264	Hire charges for asphaltic plant	10 MT	8,474.60
265	Hire charges for asphaltic paver	Day	7,627.14
266	Hire charges for vacuum dewatering equipment	Day	6,779.68
<u>SECTION - XVI</u> <u>SANITARY WORK</u>			
267	Lead pipe - 32mm dia.	Mtr.	388.14
268	C.I. Bend - 100mm dia.	Each	491.53
269	C.I. Pipe - 100mm dia.	Mtr.	723.73
270	Cisterns		
a)	C.I. Cistern - 10 ltrs. Capacity with chain, handle, C.I. brackets, etc.	Each	1,355.94
b)	Chinaware flushing cistern - Low level	Each	2,118.65
c)	PVC flushing cistern - 5 ltrs. Capacity with ball value, chain, symphonic etc.	Each	1,025.43
d)	PVC flushing cistern - 10 ltrs. Capacity with ball value, chain, symphonic etc.	Each	1,084.75
e)	PVC automatic flushing tank - 5 Ltr. capacity	Each	389.83
f)	PVC automatic flushing tank - 10 Ltr. capacity	Each	500.00
271	Brass Stop cock - 15mm dia.	Each	211.87
272	PVC Pipe inlet to flushing cistern - 15mm dia.	Mtr.	55.08

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
273	Water closets		
a)	European w.c. with integral 'P'/ 'S' trap	Each	813.56
b)	Indian w.c. pan (580 mm) white with 'P' trap	Each	669.49
c)	Indian w.c. pan (580 mm) white with 'P' trap ('Hindustan' make)	Each	830.51
d)	Orissa pattern w.c. pan		1,033.90
274	Bowl type flat back urinal - 440 X 315 X 265 mm	Each	601.70
275	PVC drain pipe - 0.6 Mtrs. long	Each	59.32
276	Bowl type angle back urinal Size: 430 X 370 X 340 mm, with waste coupling	Each	754.24
277	Bowl type large flat urinal Size: 610 X 400 X 380 mm, with waste coupling	Each	1,872.89
278	White glazed chinaware wash hand basin		
a)	Size: 630 X 551 mm, with waste coupling	Each	1,932.21
b)	Size: 630 X 510 mm, with waste coupling	Each	1,932.21
c)	Size: 550 X 400 mm, with waste coupling	Each	690.68
d)	Size: 450 X 300 mm, with waste coupling	Each	515.26
e)	Size: 400 X 400 mm, with waste coupling	Each	515.26
279	Bottle trap	Each	381.36
280	Pillar tap	Each	271.19
281	Union - 15 mm & coupling	Each	42.37
282	White Chinaware laboratory sink 450 X 300 X 150 mm, with waste coupling	Each	1,347.46
283	Brass bib taps - 15 mm dia.	Each	194.92
284	Brass stop-cock - 15 mm dia.	Each	211.87

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
285	White glazed Chinaware kitchen sink		
a)	Size: 610 X 450 X 250 mm, with waste coupling	Each	3,627.13
b)	Size: 610 X 450 X 200 mm, with waste coupling	Each	3,203.40
286	C.I. Pipe outlet - 32 mm dia.	Each	207.63
287	Aluminium drain board - 600 X 450 mm	Each	533.90
288	Chromium plated brass towel rods - 20mm dia.	Mtr.	294.92
289	Chromium plated brass brackets	Pair	161.02
290	Stainless steel towel rods - 20mm dia.	Mtr.	132.20
291	Chromium plated m.s. brackets	Pair	69.49
292	Anodised aluminium towel rods - 20mm dia.	Mtr.	93.22
293	Anodised aluminium brackets	Pair	49.15
294	Plate glass mirror - Size: 600 X 450 mm bevelled edge with oil tampered hard board back	Each	694.92
295	Chromium plated glass shelf brackets	Pair	224.58
296	Glass 5 mm thick	Sq.M.	377.97
297	PVC tooth brush & tumbler holder with brackets	Each	57.63
298	Brass robe hooks	Each	54.24
299	Vitreous Chinaware toilet paper holder	Each	271.19
300	Plastic soap container with brackets	Each	186.44
301	Plastic air-purifier container with bracket	Each	57.63
302	White colored plastic 'Commander' solid seats for European w.c. pan	Each	616.95
303	White Colored hollow seat cover to European w.c.	Each	436.44

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
304	C.I. soil pipe (s/s) (ISI marked) - length 1.8 Mtrs.		
a)	100 mm dia.	Each	1,794.07
b)	75 mm dia.	Each	1,422.89
305	C.I. bends		
a)	150 mm dia., 9" x 9"	Each	822.87
b)	100 mm dia., 9" x 12"	Each	556.78
c)	100 mm dia., 9" x 9"	Each	406.15
d)	75 mm dia., 9" x 12"	Each	457.63
e)	75 mm dia., 12" x 3"	Each	318.78
306	C.I. bend with door		
a)	100 mm dia.	Each	544.92
b)	75 mm dia.	Each	444.07
307	C.I. 'T' with door		
a)	100 mm dia.	Each	788.14
b)	75 mm dia.	Each	524.58
308	C.I. 'Y' Junction, double with door		
a)	100 mm dia.	Each	1,183.90
b)	75 mm dia.	Each	852.54
309	C.I. 'Y' Junction, single with door		
a)	100 mm dia.	Each	960.17
b)	75 mm dia.	Each	686.44
310	C.I. Rain water pipe (ISI marked) - 1.8 Mtrs. long		
a)	150 mm dia.	Each	2,449.16
b)	100 mm dia.	Each	1,167.57

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
311	C.I. Shoe		
a)	150 mm dia.	Each	685.60
b)	100 mm dia.	Each	366.10
312	A.C. Cowl		
a)	101.6 mm dia.	Each	71.05
b)	76.2 mm dia.	Each	50.89
c)	63.5 mm dia.	Each	27.84
d)	50.8 mm dia.	Each	23.04
313	House drain C.I. pipes (ISI marked) single socket 1.8 Mtrs. Long		
a)	100 mm dia.	Each	1,794.07
b)	150mm dia.	Each	3,015.26
314	A.C. soil pipe - 3 Mtrs. long		
a)	101.60 mm dia.	Each	224.68
b)	76.2 mm dia.	Each	186.27
c)	63.5 mm dia.	Each	108.50
d)	50.8 mm dia.	Each	98.90
315	A.C. 'Y' Junction double		
a)	101.60 mm dia. - 4"	Each	105.62
b)	76.2 mm dia. - 3"	Each	82.57
c)	63.5 mm dia. - 2.5"	Each	47.05
d)	50.8 mm dia. - 2"	Each	41.29

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
316	A.C. Bend 18" X 9"		
a)	101.6 mm dia.	Each	134.42
b)	76.2 mm dia.	Each	101.78
317	A.C. Bend 9" x 9"		
a)	63.5 mm dia.	Each	35.53
b)	50.8 mm dia.	Each	26.88
318	C.I. Nahani trap 80 mm (3") with CI/ CP 125 mm grating (perforated)	Each	376.27
319	C.I. circular (6") 150 mm grating with bars	Each	52.54
320	Union	Each	55.08
321	Coupling	Each	55.08
322	Foot rest	Pair	116.95
323	Flush valve	Each	1,169.49
324	Mosquito proof coupling (plastic)	Each	23.73
325	C.I./ m.s. bracket	Pair	108.47
326	Chromium plated glass shelf bracket	Pair	152.54
327	Chromium plated gratings	Each	50.85
328	PVC SWR pipe		
a)	160 mm dia.	Mtr.	435.59
b)	110 mm dia.	Mtr.	199.15
c)	90 mm dia.	Mtr.	155.09
d)	75 mm dia.	Mtr.	112.71
e)	65 mm dia.	Mtr.	101.70
f)	50 mm dia.	Mtr.	93.22

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
329	PVC SWR double 'Y' with door		
a)	110 mm dia.	Each	279.66
b)	90 mm dia.	Each	266.95
330	PVC SWR single 'Y' with door		
a)	110 mm dia.	Each	205.93
b)	90 mm dia.	Each	180.51
c)	75 mm dia.	Each	113.56
331	PVC pipe connector 110 mm dia.	Each	135.59
332	PVC pipe clips		
a)	110 mm dia.	Each	17.80
b)	160 mm dia.	Each	40.68
333	PVC bend with door		
a)	160 mm dia.	Each	337.29
b)	110 mm dia.	Each	122.03
c)	90 mm dia.	Each	109.32
d)	75 mm dia.	Each	61.02
334	PVC Nahani trap - 4"	Each	151.70
335	PVC Jalli	Each	29.66
336	PVC flushing tank	Each	1,059.33
337	PVC grating	Each	50.85
338	PVC Inlet pipe - 15mm dia.	Each	47.46
339	PVC over-flow pipe	Each	44.07
340	Flexible PVC Inlet pipe - 15mm dia.	Each	42.37

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
341	Flexible PVC Outlet pipe - 40mm dia.	Each	55.08
342	PVC SWR door bend		
a)	110 mm dia.	Each	122.03
b)	75 mm dia.	Each	61.02
343	PVC door Cap		
a)	110 mm dia.	Each	45.76
b)	90 mm dia.	Each	50.00
c)	75 mm dia.	Each	31.36
344	PVC SWR vent cowl		
a)	110 mm dia.	Each	26.27
b)	90 mm dia.	Each	26.27
c)	75 mm dia.	Each	16.95
345	'P' trap earthen	Each	271.19
346	Brick bat coba	Cu.M.	2,778.74
SECTION - XVII			
WATER SUPPLY WORK - FITTINGS			
347	W.I. galvanised pipe 'B' Class, Medium		
a)	15 mm dia.	Mtr.	70.34
b)	20 mm dia.	Mtr.	85.59
c)	25 mm dia.	Mtr.	115.25
d)	32 mm dia.	Mtr.	144.92
e)	40 mm dia.	Mtr.	151.70
f)	50 mm dia.	Mtr.	211.87
g)	65 mm dia.	Mtr.	324.58
h)	80 mm dia.	Mtr.	364.41

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
348	W.I. galvanised pipe 'C' Class, Heavy		
a)	15 mm dia.	Mtr.	83.90
b)	20 mm dia.	Mtr.	111.02
c)	25 mm dia.	Mtr.	152.54
d)	32 mm dia.	Mtr.	203.39
e)	40 mm dia.	Mtr.	233.05
f)	50 mm dia.	Mtr.	338.98
g)	65 mm dia.	Mtr.	353.39
h)	80 mm dia.	Mtr.	444.92
i)	100 mm dia.	Mtr.	662.71
349	Brass Nickel bib taps of screw down pattern		
a)	15 mm dia.	Each	144.07
b)	20 mm dia.	Each	172.88
350	Brass stop cocks of screw down pattern		
a)	15 mm dia.	Each	144.07
b)	Brass ball valve - 20 mm dia.	Each	235.59
c)	Brass ball valve - 25 mm dia.	Each	336.44
d)	Brass ball valve - 32 mm dia.	Each	605.93
e)	Brass ball valve - 40 mm dia.	Each	913.56
f)	Brass ball valve - 50 mm dia.	Each	1,394.92
351	Gun metal valve gate type (Peet valve)		
a)	15 mm dia.	Each	211.87
b)	20 mm dia.	Each	298.31

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
c)	25 mm dia.	Each	433.05
d)	32 mm dia.	Each	649.15
e)	40 mm dia.	Each	913.56
f)	50 mm dia.	Each	1,327.12
g)	65 mm dia.	Each	2,491.53
h)	80 mm dia.	Each	3,732.21
352	G.I. wheel valve gate type with screwed female ends or flanged ends		
a)	25 mm dia.	Each	599.15
b)	32 mm dia.	Each	1,036.99
c)	40 mm dia.	Each	1,555.48
d)	50 mm dia.	Each	1,843.53
e)	65 mm dia.	Each	2,534.85
f)	80 mm dia.	Each	3,226.18
353	Brass ball valves with copper ball float		
a)	15 mm dia.	Each	220.84
b)	20 mm dia.	Each	234.28
c)	25 mm dia.	Each	288.05
d)	32 mm dia.	Each	479.13
e)	40 mm dia.	Each	599.15
f)	50 mm dia.	Each	1,018.74
g)	65 mm dia.	Each	1,677.42
354	Brass ball valves with polythene ball float		
a)	15 mm dia.	Each	250.00
b)	20 mm dia.	Each	346.61

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
c)	25 mm dia.	Each	586.44
d)	40 mm dia.	Each	1,519.50
e)	50 mm dia.	Each	2,472.04
355	Gun metal non-return valves - Vertical valves		
a)	15 mm dia.	Each	180.51
b)	20 mm dia.	Each	269.49
c)	25 mm dia.	Each	383.05
d)	32 mm dia.	Each	538.98
e)	40 mm dia.	Each	721.19
f)	50 mm dia.	Each	1,134.75
g)	65 mm dia.	Each	2,356.79
356	Gun Metal ferrules		
a)	15 mm dia.	Each	298.31
b)	20 mm dia.	Each	481.36
c)	25 mm dia.	Each	721.19
d)	32 mm dia.	Each	1,317.80
e)	40 mm dia.	Each	1,803.39
f)	50 mm dia.	Each	2,866.11
357	Spouts - 25 mm dia. - 'B' Class GI pipe - 450mm long	Each	29.66
358	Chromium plated brass push taps (bib tap)		
a)	10 mm dia.	Each	165.25
b)	15 mm dia.	Each	192.37

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
359	Polythene bib taps		
a)	15 mm dia.	Each	26.27
b)	20 mm dia.	Each	44.92
360	C.I. Lift-up waste preventive bib taps		
a)	15 mm dia.	Each	116.18
b)	20 mm dia.	Each	162.27
361	Chromium plated brass shower rose		
a)	125 mm dia.	Each	312.71
b)	150 mm dia.	Each	336.44
362	Gun metal foot valves with brass strainer screwed end		
a)	25 mm dia.	Each	322.88
b)	32 mm dia.	Each	450.00
c)	40 mm dia.	Each	560.17
d)	50 mm dia.	Each	817.80
e)	65 mm dia.	Each	1,434.75
f)	80 mm dia.	Each	2,443.23
363	C.I. foot valves with flanged ends heavy metallic		
a)	80 mm dia.	Each	3,710.11
b)	100 mm dia.	Each	5,392.33
364	Gun metal globe type hydrant 65mm nominal bore outlet	Each	4,869.03
365	Dial pressure gauge (0-14 Kgs./Sq.cm)		
a)	100 mm dia.	Each	240.68
b)	150 mm dia.	Each	405.09
c)	250 mm dia.	Each	1,154.24
366	C.I. Road box	Each	2,291.93

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
367	Surface box	Each	862.23
368	C.I. screwed flanges heavy		
a)	25 mm dia.	Each	80.51
b)	32 mm dia.	Each	89.83
c)	40 mm dia.	Each	112.71
d)	50 mm dia.	Each	144.07
e)	65 mm dia.	Each	161.86
f)	80 mm dia.	Each	197.46
g)	100 mm dia.	Each	260.17
369	Chromium plated brass shower rose with ball and socket joints		
a)	125 mm dia.	Each	350.85
b)	150 mm dia.	Each	432.20
370	Gun metal non-return valves (ISI marked), Horizontal valves		
a)	15 mm dia.	Each	233.05
b)	20 mm dia.	Each	372.88
c)	25 mm dia.	Each	563.56
d)	32 mm dia.	Each	740.68
e)	40 mm dia.	Each	1,192.38
f)	50 mm dia.	Each	1,587.29
g)	65 mm dia.	Each	3,477.13
371	Chromium plated brass stop cock - 15 mm dia.	Each	144.07
372	Chromium plated push type flush valve		
a)	25 mm dia.	Each	1,298.31

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
	b) 32 mm dia.	Each	1,587.29
373	Vent pipe/ over-flow pipe		
	a) 15 mm dia.	Each	30.51
	b) 20 mm dia.	Each	41.53
	c) 25 mm dia.	Each	61.86
	d) 32 mm dia.	Each	102.54
	e) 40 mm dia.	Each	122.88
	f) 50 mm dia.	Each	222.03
	g) 65 mm dia.	Each	389.83
374	GI pipe bends		
	a) 15 mm dia.	Each	16.10
	b) 20 mm dia.	Each	19.49
	c) 25 mm dia.	Each	29.66
	d) 32 mm dia.	Each	54.24
	e) 40 mm dia.	Each	64.41
	f) 50 mm dia.	Each	107.63
	g) 65 mm dia.	Each	197.46
375	Brass mosquito-proof coupling		
	a) 15 mm dia.	Each	75.42
	b) 20 mm dia.	Each	166.10
	c) 25 mm dia.	Each	250.00
	d) 32 mm dia.	Each	337.29
	e) 40 mm dia.	Each	422.88

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
f)	50 mm dia.	Each	505.09
g)	65 mm dia.	Each	841.53
376	CI over-flow pipe		
a)	80 mm dia.	Each	2,398.31
b)	100 mm dia.	Each	2,610.18
c)	150 mm dia.	Each	3,093.23
377	m.s. flanges		
a)	80 mm dia.	Each	364.41
b)	100 mm dia.	Each	440.68
c)	150 mm dia.	Each	652.54
378	Bolts & Nuts		
a)	16 mm dia. 60 mm long	Each	32.20
b)	20 mm dia. 65 mm long	Each	57.63
c)	20 mm dia. 70 mm long	Each	69.49
d)	20 mm dia. 75 mm long	Each	76.27
e)	20 mm dia. 80 mm long	Each	83.05
f)	24 mm dia. 85 mm long	Each	93.22
379	Rubber insertion	Each	33.90
380	Sliding bolts - Aluminium (Rs.580/- per dozen)	Each	52.54
381	Pillar tap - 15mm dia.	Each	346.61
382	Brass chromium plated bib tap - 15mm dia.	Each	273.73
383	CP waste coupling with PVC pipe	Each	177.97

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
384	UPVC /ASTM pipe		
a)	3" (80 mm) dia.	Mtr.	627.12
b)	2.5" (65 mm) dia.	Mtr.	527.12
c)	1.5" (40 mm) dia.	Mtr.	213.56
d)	1.25" (32 mm) dia.	Mtr.	195.76
e)	1" (25 mm) dia.	Mtr.	154.24
f)	0.75" (20 mm) dia.	Mtr.	127.12
<u>SECTION - XVIII</u>			
<u>C.I. WATER MAINS WORK - FITTINGS</u>			
385	C.I. pipe - Class LA		
a)	80 mm dia.	Mtr.	853.39
b)	100 mm dia.	Mtr.	1,010.17
c)	125 mm dia.	Mtr.	1,513.23
d)	150 mm dia.	Mtr.	1,634.75
e)	200 mm dia.	Mtr.	2,290.68
f)	250 mm dia.	Mtr.	3,233.91
g)	300 mm dia.	Mtr.	4,042.38
h)	350 mm dia.	Mtr.	5,659.34
i)	400 mm dia.	Mtr.	6,916.97
j)	450 mm dia.	Mtr.	8,219.51
386	C.I. pipe - Class B, Flanged		
a)	80 mm dia.	Mtr.	4,233.06
b)	100 mm dia.	Mtr.	5,394.08
c)	150 mm dia.	Mtr.	8,739.01

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
d)	200 mm dia.	Mtr.	12,935.63
e)	250 mm dia.	Mtr.	17,606.83
f)	300 mm dia.	Mtr.	23,176.34
387	C.I. specials		
a)	Flanged upto 300 mm dia.	qntl.	5,749.17
b)	Socket end upto 300 mm dia.	qntl.	5,569.51
388	Spun yarn	Kg.	94.07
389	Fuel wood	qntl.	720.34
390	Kerosene oil	Lit.	53.28
391	Lead	Kg.	175.42
392	Rubber gasket - 3 mm thick	Each	77.12
393	Sluice valve with cap		
a)	80 mm dia.	Each	3,144.08
b)	100 mm dia.	Each	4,132.21
c)	125 mm dia.	Each	6,221.92
d)	150 mm dia.	Each	6,467.81
e)	200 mm dia.	Each	11,588.17
f)	250 mm dia.	Each	16,079.71
g)	300 mm dia.	Each	21,110.23
394	Sluice valve with gear wheel		
a)	300 mm dia.	Each	33,390.95
b)	350 mm dia.	Each	47,250.07
c)	400 mm dia.	Each	61,249.38
d)	450 mm dia.	Each	76,996.21

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
395	C.I. Non-return reflux valve		
a)	80 mm dia.	Each	3,054.25
b)	100 mm dia.	Each	4,222.05
c)	150 mm dia.	Each	6,557.65
d)	200 mm dia.	Each	11,633.08
e)	250 mm dia.	Each	18,145.81
f)	300 mm dia.	Each	23,266.17
g)	350 mm dia.	Each	41,771.30
h)	450 mm dia.	Each	58,569.66
396	Stand post hydrant - 63 mm dia.	Each	11,228.85
397	CI cap for riser with threads & CI threaded outlet	Each	5,962.67
398	Domestic water meter		
a)	15 mm dia.	Each	1,167.80
b)	20 mm dia.	Each	1,904.24
c)	25 mm dia.	Each	2,964.42
d)	40 mm dia.	Each	7,141.55
e)	50 mm dia.	Each	9,252.57
f)	80 mm dia.	Each	10,061.05
g)	100 mm dia.	Each	13,654.28
h)	150 mm dia.	Each	17,966.15
i)	200 mm dia.	Each	24,528.03
j)	250 mm dia.	Each	39,917.91
k)	300 mm dia.	Each	67,330.70

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
399	C.I. Strainer		
a)	15 mm dia.	Each	206.78
b)	20 mm dia.	Each	230.51
c)	25 mm dia.	Each	294.92
d)	32 mm dia.	Each	413.56
e)	40 mm dia.	Each	413.56
f)	50 mm dia.	Each	668.65
g)	80 mm dia.	Each	2,356.79
h)	100 mm dia.	Each	3,511.03
i)	150 mm dia.	Each	5,867.81
j)	200 mm dia.	Each	10,580.54
k)	250 mm dia.	Each	17,794.97
l)	300 mm dia.	Each	22,604.30
400	Ball valve/ Butterfly valve		
a)	80 mm dia.	Each	1,105.94
b)	100 mm dia.	Each	1,298.31
c)	150 mm dia.	Each	1,923.73
d)	200 mm dia.	Each	3,606.79
e)	250 mm dia.	Each	5,677.13
f)	300 mm dia.	Each	8,561.04
401	m.s. circular flange & bolt - 150 mm dia.	Each	40.33
402	Chemical bolt - 24 mm dia., 290 mm long	Each	1,987.56
403	C.I. Flange		
a)	80 mm dia.	Each	374.47
b)	300 mm dia.	Each	2,396.59

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
404	Ductile Iron (D.I.) pipe, K-9 grade		
a)	100 mm dia.	Mtr.	1,068.65
b)	150 mm dia.	Mtr.	1,500.00
c)	200 mm dia.	Mtr.	1,954.24
d)	250 mm dia.	Mtr.	2,627.97
e)	300 mm dia.	Mtr.	3,323.74
405	EPDM Push on gasket		
a)	for 100 mm dia. pipe	Each	41.53
b)	for 150 mm dia. pipe	Each	61.86
c)	for 200 mm dia. pipe	Each	81.36
d)	for 250 mm dia. pipe	Each	121.19
e)	for 300 mm dia. pipe	Each	148.31
406	Steel scaffolding	Sq.M.	94.92
407	Hack-saw blade	Each	432.20
<u>SECTION - XIX</u>			
<u>WATER STORAGE TANKS WORK</u>			
408	m.s. plate sheet - 5 mm thick	qntl.	4,582.22
409	Welding	qntl.	1,949.16
410	Drain plug	Each	79.69
411	Mastic bitumen paint	Sq.M.	40.33
412	Fabricated pressed steel tank with plates - 5 mm thick		
a)	1.25 X 1.25 X 1.25 Mtrs.	Each	46,376.32
b)	2.50 X 1.25 X 1.25 Mtrs.	Each	76,852.18
c)	2.50 X 2.50 X 1.25 Mtrs.	Each	116,603.31
d)	3.75 X 1.25 X 1.25 Mtrs.	Each	103,352.93
e)	3.75 X 2.50 X 1.25 Mtrs.	Each	145,754.14

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
413	Fabricated pressed steel plate 5 mm thick, 1.25 X 1.25 Mtrs.	Each	7,287.71
414	R.C.C. Hume pipe water tank		
a)	1438 litres capacity	Each	11,685.30
b)	2161 litres capacity	Each	16,150.10
c)	2575 litres capacity	Each	22,571.73
d)	4100 litres capacity	Each	26,120.52
e)	4660 litres capacity	Each	32,532.55
f)	5100 litres capacity	Each	43,207.75
415	m.s. cover with locking arrangement		
a)	475 mm dia.	Each	1,271.19
b)	525 mm dia.	Each	1,610.17
c)	600 mm dia.	Each	2,203.40
416	m.s. circular flange & bolt - 150 mm dia.	Each	61.02
417	C.I. cover 500 mm dia. for water tank	Each	889.83
418	HDPE overhead water tank	Litre	7.63
419	P.V.C mosquito-proof coupling		
a)	40 mm dia.	Each	16.95
b)	50 mm dia.	Each	37.29
419A	C.I. frame for overhead tank cover		
a)	475 mm dia. (40% cost of Item No.402(a))	Each	508.48
b)	525 mm dia. (40% cost of Item No.402(b))	Each	644.07
c)	600 mm dia. (40% cost of Item No.402(c))	Each	881.36

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
421	C.I. cover for water storage tank		
a)	475 mm dia. (75% cost of Item No.402(a))	Each	953.39
b)	525 mm dia. (75% cost of Item No.402(b))	Each	1,207.63
c)	600 mm dia. (75% cost of Item No.402(c))	Each	1,652.55
422	Hoisting charges	qntl.	593.22
<u>SECTION - XX</u> <u>DRAINAGE WORK</u>			
423	Glazed stoneware pipe 600mm long 'A' grade		
a)	100 mm dia.	Each	94.07
b)	150 mm dia.	Each	141.53
c)	200 mm dia.	Each	283.05
d)	230 mm dia.	Each	318.64
e)	300 mm dia.	Each	611.02
424	Spun yarn/ plain gasket	Kg.	80.51
425	Stone ware 'S' or 'P' type gulley trap		
a)	Size: 150 X 150 mm with 100 mm outlet	Each	170.34
b)	Size: 225 X 225 mm with 150 mm outlet	Each	466.95
426	C.I. cover & frame - 228.6 X 304.8 mm	Each	172.83
427	C.I. grating	Each	179.66
428	PVC grating	Each	84.75
429	Stoneware glazed bend		
a)	100 mm dia.	Each	112.71
b)	150 mm dia.	Each	170.34

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
430	Intercepting sewer trap		
a)	150 mm dia.	Each	394.92
b)	230 mm dia.	Each	1,450.85
431	RCC NP-2 class pipe - 2 Mtrs. long with collars		
a)	100 mm dia.	Mtr.	157.63
b)	150 mm dia.	Mtr.	212.71
c)	250 mm dia.	Mtr.	366.10
d)	300 mm dia.	Mtr.	661.02
e)	450 mm dia.	Mtr.	1,724.58
432	C.I. steps	Each	459.32
	C.I. Diaphragm		
a)	450 X 450 mm	Each	440.68
b)	900 X 450 mm	Each	669.49
433	RCC NP-3 class pipe with collars		
a)	100 mm dia.	Mtr.	191.07
b)	150 mm dia.	Mtr.	259.25
c)	250 mm dia.	Mtr.	652.92
d)	300 mm dia.	Mtr.	1,318.65
e)	450 mm dia.	Mtr.	2,012.72
434	C.I. cover & frame - 900 X 450 mm		
a)	Medium duty - 100 Kgs.	Each	7,849.17
b)	Light duty - 50 Kgs.	Each	4,131.37

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
435	Pre-cast RCC (1:1.5:3) rectangular cover & frame 900 X 450 mm size with iron angle nosing		
a)	75 mm thick	Each	2,669.50
b)	100 mm thick	Each	4,481.37
436	Fibre reinforced rectangular frame & cover 900 X 450 mm size, 90-100 mm thick - 25 MT load bearing capacity	Each	3,022.04
437	Heavy duty, pre-cast RCC fibre reinforced concrete circular man-hole cover & frame clear opening - 540 mm - 35 MT load bearing capacity	Each	3,813.57
438	RCC fibre reinforced water gulley frame & cover 450 X 450 mm opening size, 15 MT capacity	Each	2,050.01
439	RCC fibre reinforced water gulley frame & cover 900 X 450 mm opening size, 15 MT capacity	Each	2,622.04
440	C.I. Circular cover & frame - 500 mm dia.		
a)	Medium duty - 116 Kgs.	Each	9,110.20
b)	Heavy duty - 229 Kgs.	Each	18,095.81
441	C.I. rungs for man-holes - 5.1 Kgs. each	Each	503.39
442	RCC rectangular grating 150 mm X 300 mm X 25 mm thick	Each	67.21
443	A.C. vent pipe - 100 mm dia.	Mtr.	46.09
444	C.I. soil pipe - 150 mm dia.	Mtr.	1,593.22
445	RCC pre-cast water gully cover - 100 mm thick		
a)	450 x 450 mm	Each	3,622.73
b)	900 x 450 mm	Each	7,245.46
446	C.I. frame & cover - Size: 600 x 600 mm - 100 Kgs.	Each	9,350.87
447	C.I. Pipe - 150 mm dia. - 2.74 Mtrs. long	Each	4,623.74
448	C.I. Bend - 150 mm dia.	Each	975.43

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
449	C.I. Cover and lid	Each	505.93
450	FRP/ GRP/ COMPOSITE resin Water gully frame & cover		
a)	size: 450 X 450 mm - 20 T capacity	Each	5,424.93
b)	size: 450 X 450 mm - 40 T capacity	Each	7,382.33
c)	size: 600 X 600 mm - 20 T capacity	Each	9,969.75
d)	size: 600 X 600 mm - 40 T capacity	Each	11,330.79
451	FRP/ GRP/ COMPOSITE resin circular man-hole frame & cover 600 mm clear opening		
a)	20 T capacity	Each	5,049.80
b)	40 T capacity	Each	6,808.86
452	FRP/ GRP/ COMPOSITE resin Inspection chamber frame & cover - Size: 900 X 450 mm	Each	5,542.52
<u>SECTION - XXI</u> <u>MISCELLANEOUS WORK</u>			
453	Dry stone rubble	Cu.M.	538.98
454	Stone dust	Cu.M.	1,197.46
455	Plastic coated brass wire 3 mm thick	Mtr.	5.93
456	G.I. barbed wire (IS:278 – 1962 Type-I) 100 mm points, strands at 150 mm pitch	Kg.	50.85
457	Iron hook	Each	8.47
458	Venetian blinds - Aluminium - Horizontal blinds	Sq.M.	1,001.70
459	Anodised aluminium grills	Sq.M.	724.58
460	Aluminium 'T' section - 38 X 38 mm, 1.5 mm thick	Mtr.	65.25
461	Acoustic tile - 600 X 600 mm	Each	250.00
462	Glass wool	Sq.M.	29.66
463	'J' Bolts	Each	8.47

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
464	Anodised aluminium sections	Kg.	188.98
465	Extra for colour anadizing	Kg.	63.56
466	PVC sheet		
a)	2 mm thick	Sq.M.	519.49
b)	3 mm thick	Sq.M.	633.05
c)	5 mm thick	Sq.M.	877.97
d)	5 mm thick - both sides pre-laminated	Sq.M.	1,250.00
467	Solvent cement adhesive	Lit.	259.32
468	GI screws - 16X6 mm	Each	5.08
469	Transparent acrylic sheet - 6 mm thick	Sq.M.	889.83
470	Transparent acrylic sheet - 4 mm thick	Sq.M.	805.09
471	Dongri cloth	Sq.M.	8.47
472	Tar	Kg.	31.36
473	Sandtex matt	Lit.	245.76
474	Apex paint	Lit.	194.92
475	Touch wood	Lit.	186.44
476	G.I. chain link		
a)	50 X 50 mm opening - 10 gauge	Sq.M.	126.27
b)	25 X 25 mm opening - 10 gauge	Sq.M.	330.51
477	Extruded aluminium sections for doors, windows and partitions	Kg.	188.98
478	Hydraulic Door closure	Each	932.21
479	Mortice lock - Godrej make	Each	720.34

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
480	Aluminium hinges - 125 mm	Each	55.08
481	Rubber gasket	Mtr.	13.56
482	Adhesive	Lit.	327.12
483	Plain/ ground glass - 4 mm thick	Sq.M.	434.75
484	Plain/ ground glass - 5 mm thick	Sq.M.	466.10
485	Tinted glass - 5 mm thick	Sq.M.	522.88
486	'Z' pins	Each	0.38
487	Particle board - 9-10 mm thick Lamination on both sides	Sq.M.	361.87
488	Hoisting charges	qntl.	530.02
489	Tar-felt	Sq.M.	67.80
490	Transport of debris by lorries	Day	6,355.95
491	Hire charges for Crane	Day	5,508.49
492	Coal tar	Lit.	55.08
493	Concertina coil G.I. 610 mm dia.	Mtr.	150.00
494	G.I. mesh	Sq.M.	720.34
495	Hire charges chain, pulling wire & gas cutter	Day	624.11
496	RCC post - Size: 0.105 X 0.095 X 2.15 Mtrs.	Each	299.57
497	Polyalk WP	Kg.	245.76
498	Drilling holes in stone - upto 300 mm depth		
a)	30 - 32 mm dia.	Each	347.46
b)	63 - 65 mm dia.	Each	694.92
c)	118 - 120 mm dia.	Each	2,966.11

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
499	Stainless steel anchor bolt		
a)	25 mm dia.	Each	3,450.86
b)	50 mm dia.	Each	8,473.75
c)	100 mm dia.	Each	17,154.29
500	m.s. chain - hot dipped galvanized to min.85 microns		
a)	25 mm dia.	Mtr.	2,920.35
b)	32 mm dia.	Mtr.	4,868.66
c)	50 mm dia.	Mtr.	11,186.47
501	'D' shackle - hot dipped galvanized to min.85 microns		
a)	20/25 mm dia.	Each	661.02
b)	32/35 mm dia.	Each	974.58
c)	50/56 mm dia.	Each	3,686.45
502	Central Rod - 75 mm dia.	Each	8,262.74
503	G.I. sheet - 20 guage	Sq.M.	637.29
504	Bamboo for scaffolding	Each	93.22
505	Coir rope	Kg.	84.75
506	m.s. ring bolts - 170 mm long	Each	103.70
507	'Sintex' PVC Door	Sq.M.	1,915.26
508	Hire charges for motor lorry - 3 to 5 Ton capacity	Day	5,932.22
509	Hire charges for Tempo - 2 Ton capacity - Cover body	Day	4,661.03
510	Hire charges for gas cutting set, cylinder, welding machine, working platform, tools	Day	5,084.76
511	Hire charges for gas cutting set, cylinder, tools	Day	3,389.84
512	White phenyl	Lit.	93.22

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
513	Naphthalene balls	Kg.	296.61
514	Toilet cleaning powder	Kg.	84.75
515	M-seal	Kg.	275.42
516	Black M-seal	Kg.	190.68
517	White M-seal	Kg.	199.15
518	Polyfill - AR	Kg.	190.68
519	Polyabres	Kg.	22.88
520	Duckback-S	Lit.	241.96
521	Dr.Fixit Raincoat	Lit.	254.24
522	Dr.Fixit torch shield rolls	Sq.M.	230.44
523	Suncoat	Lit.	245.76
524	Dr.Fixit Newcoat	Lit.	296.61
525	Primeseal (Primer)	Lit.	179.66
526	CR 80 grade rail	qntl.	4,345.74
527	Becklite - 5 to 6 mm thick	Sq.M.	413.56
528	Stainless steel kitchen sink - 650 X 450 mm	Each	1,610.17
<u>SECTION - XXII</u>			
<u>RESTORATIVE REPAIRS WORK</u>			
529	Aluminium sheet - 24 gauge	Sq.M.	398.31
530	Chicken mesh jalli	Sq.M.	14.41
531	Polyalk Fixoprime	Kg.	254.24
532	Resin 505C	Kg.	334.14
533	Epoxy Resin 520	Kg.	385.03
534	Hardner EH411	Kg.	380.23

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
535	Sunepoxy 358 - Resin & Hardner	Kg.	343.22
536	Hack-aid plast (1 Lit.= 0.9 Kg.)	Lit.	199.15
537	Hack-aid plast	Kg.	152.54
538	Hack-aid plast - Special	Kg.	169.49
539	Hardner EH408	Kg.	368.71
540	Polymer	Kg.	224.58
541	Bullies		
a)	80 mm dia.	Mtr.	59.32
b)	100-105 mm dia.	Mtr.	76.27
c)	125 mm dia.	Mtr.	93.22
542	Shear connector – 12 mm dia. bar (including labour)	Kg.	46.09
543	Broken glass pieces	Kg.	6.72
544	Rusticide	Lit.	110.17
545	River sand	Cu.M.	1,689.90
546	Quartz sand	Kg.	5.93
547	Shahabad stone – 22 - 35 mm	Sq.M.	350.85
548	Glass louvers/ Glass strips - 100X600mm	Sq.M.	451.70
549	Aluminium sheets - 22 gauge	Sq.M.	457.63
550	Teak wood batten - 40 X 10 mm	Mtr.	22.88
551	Polymer mortar	Kg.	24.58
552	Plasticizer (Polycrrete NGT-Sunanda)	Lit.	101.70
553	Neeru	Kg.	6.78
554	White powder	Kg.	10.17
555	Brick bats	Cu.M.	1,864.41
556	Polycoat SS	Lit.	220.34
557	Grout pipe	Each	10.55

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
<u>BASIC RATES OF MORTAR</u> (including labour)			
558	Lime mortar (1:2)	Cu.M.	6,138.00
559	Cement mortar (1:2)	Cu.M.	7,354.00
560	Cement mortar (1:3)	Cu.M.	6,734.00
561	Cement mortar (1:4)	Cu.M.	5,984.00
562	Cement mortar (1:5)	Cu.M.	5,581.00
563	Cement mortar (1:6)	Cu.M.	5,235.00
564	Polymer mortar	Kg.	29.00
565	Cement mortar (1:1)/ (1:1:1)	Cu.M.	8,602.00
<u>SECTION - XXIII</u> <u>PERMANENT WAY WORKS</u> (RAILWAY ENGINEERING SECTION)			
566	52 Kgs. Rail	Mtr.	2,881.36
567	Canted B/ plates for 52 Kgs. rails	Each	813.56
568	Turnout I in 8 ½ for 52 Kgs. rail with all fittings set	Set	1,068,647.06
569	Fish plate for 52 Kgs. rails	Pair	771.19
570	Combination fish plate 90 R & 52 Kgs. rails	Pair	6,186.46
571	Bolts 5" x 1" for 52 Kgs. rails	Each	69.49
572	Bolts & nuts		
	a) 5" X 1"	Each	69.49
	b) 7" X 1"	Each	84.75
	c) 8" X 1"	Each	107.63
	d) 9" X 1"	Each	122.88
	e) 10" X 1"	Each	130.51

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
f)	11" X 1"	Each	138.14
g)	12" X 1"	Each	145.76
h)	13" X 1"	Each	153.39
i)	14" X 1"	Each	161.02
j)	15" X 1"	Each	176.27
k)	16" X 1"	Each	191.53
l)	17" X 1"	Each	206.78
m)	20" X 1"	Each	229.66
573	Nuts & bolts - Square head - 4" X 4"	Each	77.12
574	Washer square for 1" dia. bolts	Each	77.12
575	Keys outer	Each	77.12
576	Keys inner	Each	77.12
577	Fish plate 52 Kgs. rails	Pair	1,838.99
578	Elastic clips for 52 Kgs. rail	Each	50.85
579	Grooved rubber pad for 52 Kgs. rails	Each	20.34
580	Points & crossing with all fittings for 52 Kgs. rails	Each	1,068,647.06
581	75R rails & 90R rails S/H	Mtr.	2,033.90
582	Canted B/ plates 6 holed	Each	813.56
583	MBC sleepers 8	Each	2,627.13
584	Std. Line W/ sleeper 9' X 110" X 5"	Each	4,661.03
585	Drill bit	Each	3,898.32
586	Weedicide (chemical)	Ltr.	338.98

Input Data - Material Rates

Sr. No.	Description of Material	Unit (per)	Rate in Rs.
587	Wooden 'X' ing sleeper		
a)	9' X 10" X 6"	Each	3,898.32
b)	9' X 12" X 6"	Each	4,661.03
c)	10' X 10" X 6"	Each	4,432.22
d)	11' X 10" X 6"	Each	4,889.84
e)	12' X 10" X 6"	Each	5,271.20
f)	13' X 10" X 6"	Each	5,728.83
g)	14' X 10" X 6"	Each	6,186.46
h)	14' X 12" X 6"	Each	7,415.28
i)	15' X 12" X 6"	Each	7,940.70
j)	16' X 10" X 6"	Each	7,177.99
k)	16' X 12" X 6"	Each	8,474.60
588	Cement concrete mono-block crossing sleeper	Set	313,560.20
589	Cement concrete mono-block sleeper	Each	2,627.13

Input Data - Labour Rates

Annexure - II

Basic Labour Rates adopted for Rate Analysis for SOR 2017

Sr. No.	Category of Labour	Rate per Day in Rs.
1	EXCAVATOR	498.08
2	BREAKER	498.08
3	HOLE DRILLER	498.08
4	CHISELLER	478.85
5	BLACK SMITH 1st CLASS	540.38
6	BLACK SMITH 2nd CLASS	525.00
7	BLACK SMITH 3rd CLASS	498.08
8	BANDHANI (For lifting heavy materials).	498.08
9	CARPENTER 1st CLASS	540.38
10	CARPENTER 2nd CLASS	525.00
11	CARPENTER 3rd CLASS	498.08
12	MASON 1st CLASS	540.38
13	MASON 2nd CLASS	525.00
14	MASON 3rd CLASS	498.08
15	MAZDOOR (MALE)	478.85
16	MAZDOOR (FEMALE)	478.85
17	BHISTI	478.85
18	MATE (HELPER)	478.85
19	MAISTRY/MUCCADAM	540.38
20	PLUMBER 1st CLASS	540.38
21	PLUMBER 2nd CLASS	525.00
22	PLUMBER 3rd CLASS	498.08
23	TILER 1st CLASS (For laying Mangalore tiles).	540.38
24	TILER 2nd CLASS (For laying Mangalore tiles).	525.00

Input Data - Labour Rates

Sr. No.	Category of Labour	Rate per Day in Rs.
25	BELDAR	478.85
26	COOLIE	478.85
27	PAINTER 1st CLASS	540.38
28	PAINTER 2nd CLASS	525.00
29	PAINTER 3rd CLASS	498.08
30	WHITE WASHER/ WASHER	498.08
31	PUMP OPERATOR	525.00
32	MIXER OPERATOR	525.00
33	WELDER	525.00
34	FITTER 1st CLASS	540.38
35	FITTER 2nd CLASS	525.00
36	CHOWKIDAR	498.08
37	GLAZIER/ GLASS CUTTER	498.08
38	STONE CUTTER 1st class	540.38
39	STONE CUTTER 2nd class	525.00
40	GANGMAN	498.08
41	SUPERVISOR	540.38
42	DRIVER (MOTOR LORRY)	540.38
43	CLEANER	498.08
44	OPERATOR - COMPRESSOR/ VIBRATOR	540.38
45	SAFAIWALA	478.85
46	PAVER - 'A' GRADE	498.08

Annexure - I

Basic Rates of MATERIAL to be adopted for Rate Analysis for SOR 2017

			Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
Sr. No.	Description of Material	Unit (per)		Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
<u>SECTION - III</u> <u>EARTH WORK</u>				Final Rates REDUCED by 18%	AICPI in April 2014 (SOR 2014 rates) =			1,120
					AICPI in Jan. 2017 =			1,269
							% rise =	13.30
1	Kail wood (for polling board)	Cu.M.	16,600.00	17,711.07	20,899.00	21,055.00 A-1	20,899.00 A-1	
2	Murrum	Cu.M.	330.00	1,077.97	1,272.00	1,378.00 A-5	1,696.00 A-5	1,272.00 A-5
3	Bullies - 125 mm dia.	Mtr.	56.00	93.22	110.00	110.00 A-1	118.00 A-1	
4	Good quality Murrum	Cu.M.	330.00	1,077.97	1,272.00	1,378.00 A-5	1,696.00 A-5	1,272.00 A-5
5	Transportation charges for debris/ kutchra	Cu.M.	640.00	614.51	725.12			
				Previous Material rate increased by 13.30% - As approved by CE				
<u>SECTION - IV</u> <u>PLAIN CEMENT CONCRETE (PCC) WORK</u>								
6	Stone aggregate/ chips - 10/12 mm	Cu.M.	710.00	898.31	1,060.00	1,060.00 A-7	1,080.00 A-7	1,285.00 A-7
7	Stone aggregate - 20 mm - 40 mm	Cu.M.	710.00	898.31	1,060.00	1,060.00 A-7	1,080.00 A-7	1,285.00 A-7
8	Coarse sand (River sand)	Cu.M.	1,760.00	2,994.92	3,534.00		3,534.00 A-7	
9	Cement	MT	6,600.00	5,762.73	6,800.00	6,800.00 A-7	8,000.00 A-7	
10	Rubble	Cu.M.	636.00	538.98	636.00	636.00 A-7	650.00 A-7	1,048.00 A-7
11	Pre-cast concrete block (solid) (1:2:4 mix.) (size 39 cm x 20 cm x 19 cm)	Each	80.00	76.81	90.64			
				Previous Material rate increased by 13.30% - As approved by CE				
12	Pre-cast concrete hollow blocks (1:2:4 mix) (size 39 cm x 10 cm x 19 cm)	Each	45.00	43.21	50.99			

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
13	Pre-cast concrete hollow block (1:2:4 mix) (size 39 cm x 15 cm x 19 cm)	Each	58.00	55.69	65.71	Previous Material rate increased by 13.30% - As approved by CE		
14	Pre-cast concrete hollow blocks (1:2:4 mix) (size 39 cm x 20 cm x 19 cm)	Each	68.00	65.29	77.04	Previous Material rate increased by 13.30% - As approved by CE		
15	Marine plywood - 9 mm thick	Sq.M.	544.00	504.24	595.00	628.00 A-1	595.00 A-1	
16	Waterproofing compound	Kg.	60.00	46.61	55.00	55.00 A-8	60.00 A-8	
SECTION - V <u>CEMENT CONCRETE WORK IN RCC MEMBERS</u>								
17	Mild Steel	MT	45,000.00	38,983.16	46,000.00	46,000.00 A-14		
18	HYD bars	MT	48,250.00	41,525.54	49,000.00	49,000.00 A-14		
19	Carriage from Kalamboli to MbPT Estate (including loading, unloading)	MT	1,400.00	1,694.92	2,000.00	2,000.00 A-14		
20	RCC pre-cast door frame - 100 X 63 mm	Each	731.00	974.58	1,150.00	1,150.00 A-10		
21	RCC pre-cast louvered window - 0.6 X 1.0 Mtr.	Each	478.00	627.12	740.00	740.00 A-10		
22	Ground glass - 4 mm thick	Sq.M.	355.00	434.75	513.00	513.00 A-20	546.00 A-20	
23	Polycrete micro-concrete	Kg.	20.00	16.95	20.00	20.00 A-21	20.00 A-21	
24	Polycrete-A	Kg.	25.00	21.19	25.00	28.00 A-21	25.00 A-21	
25	Sunepoxy 368/ Polyalk EP or equivalent - Epoxy bonding coat	Lit.	280.00	398.31	470.00	500.00 A-21	485.00 A-21	470.00 A-21
26	Polyalk CP293	Lit.	200.00	177.97	210.00	220.00 A-21	210.00 A-21	
27	Polytancrete NGT	Lit.	78.00	55.08	65.00	90.00	82.00	65.00

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
28	Ready Mix Concrete (RMC)					A-21	A-21	A-21
a)	M-10 grade	Cu.M.	4,600.00	3,911.03	4,615.00	4,845.00 A-23	4,850.00 A-23	4,615.00 A-23
b)	M-20 grade	Cu.M.	4,683.00	4,422.05	5,218.00	5,308.00 A-23	5,250.00 A-23	5,218.00 A-23
c)	M-25 grade	Cu.M.	4,933.00	4,617.81	5,449.00	5,604.00 A-23	5,550.00 A-23	5,449.00 A-23
d)	M-30 grade	Cu.M.	5,183.00	4,851.71	5,725.00	5,818.00 A-23	5,850.00 A-23	5,725.00 A-23
e)	M-35 grade	Cu.M.	6,613.00	5,072.05	5,985.00	6,036.00 A-23	6,106.00 A-23	5,985.00 A-23
f)	M-40 grade	Cu.M.	5,433.00	5,207.64	6,145.00	6,145.00 A-23	6,325.00 A-23	6,259.00 A-23
29	Thermo mechanically treated (TMT) bars (reinforcement)	qntl.	4,825.00	4,137.72	4,882.50	4,882.50 A-14		
30	Epoxy coating for TMT bars	qntl.	1,700.00	1,186.44	1,400.00	1,400.00 A-14		
<u>SECTION - VI</u> <u>BRICK WORK</u>								
31	Common clay burnt bricks	1000 Nos.	5,500.00	5,084.76	6,000.00	6,000.00 A-7	8,000.00 A-7	
32	Brick bats	Cu.M.	1,800.00	1,864.41	2,200.00	2,200.00 A-7	2,400.00 A-7	
32A	Siporex blocks	Cu.M.	---	4,613.57	5,444.00	5,444.00		
<u>SECTION - VII</u> <u>STONE WORK</u>						B-21		
33	Rubble	Cu.M.	636.00	538.98	636.00	636.00 A-7	650.00 A-7	800.00 A-7
34	Through Stone	Each	42.00	59.32	70.00	85.00 A-7	90.00 A-7	70.00 A-7
35	Trap Stone	Cu.M.	636.00	538.98	636.00	636.00	650.00	800.00

			Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
Sr. No.	Description of Material	Unit (per)		Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
						A-7	A-7	A-7
<u>SECTION - VIII</u>								
<u>FLOOR FINISHING WORK</u>								
36	Stone aggregate - 12.5 mm	Cu.M.	710.00	898.31	1,060.00	1,060.00	1,080.00	1,285.00
37	Stone ballast	Cu.M.	700.00	805.09	950.00	989.00	1,080.00	950.00
38	Water proofing compound	Kg.	60.00	46.61	55.00	55.00	70.00	
39	Polyalk WP	Kg.	256.00	245.76	290.00	325.00	300.00	290.00
40	Pre-cast plain cement tiles - 250 X 250 mm - 20 mm thick							
a)	Grey color	Sq.M.	168.00	161.31	190.34	Previous Material rate increased by 13.30% - As approved by CE		
b)	Red/ Chocolate/ Fawn Yellow color	Sq.M.	193.00	185.31	218.67	Previous Material rate increased by 13.30% - As approved by CE		
c)	White/ Pink/ Green or Cream Yellow color	Sq.M.	206.00	197.80	233.40	Previous Material rate increased by 13.30% - As approved by CE		
41	Dark/ medium/ light shaded pigment	Kg.	43.00	41.29	48.72	Previous Material rate increased by 13.30% - As approved by CE		
42	White cement	Kg.	30.00	25.42	30.00	30.00	35.00	
43	White pigment (Titanium Oxide)	Kg.	60.00	59.32	70.00	70.00	75.00	
44	Pre-cast chequered cement tiles - 250 X 250 mm - 20 mm thick							
a)	Grey color	Sq.M.	174.00	187.29	221.00	305.00	221.00	
b)	Red/ Chocolate/ Fawn Yellow color	Sq.M.	186.00	187.29	221.00	330.00	221.00	
c)	White/ Pink/ Green or Cream Yellow color	Sq.M.	161.00	187.29	221.00	354.00	221.00	
44A	Green marble 16-20 mm thick	Sq.M.	---	584.75	690.00	690.00		
						B-21		

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
45	Pre-cast terrazo tiles - 22-25 mm thick chip size upto 6 mm - 250 X 250 mm size							
a)	Grey color	Sq.M.	188.00	180.51	213.00			
					Previous Material rate increased by 13.30% - As approved by CE			
b)	White/ light coloured	Sq.M.	217.00	208.36	245.86			
					Previous Material rate increased by 13.30% - As approved by CE			
46	Pre-cast heavy duty tiles - 25 mm thick - 250 X 250 mm							
a)	Grey color	Sq.M.	290.00	278.45	328.57			
					Previous Material rate increased by 13.30% - As approved by CE			
b)	Red/ Chocolate/ Fawn Yellow color	Sq.M.	348.00	334.14	394.28			
					Previous Material rate increased by 13.30% - As approved by CE			
c)	White/ Pink/ Green or Cream Yellow color	Sq.M.	392.00	376.39	444.14			
					Previous Material rate increased by 13.30% - As approved by CE			
47	Kota stone - 22-40mm thick	Sq.M.	385.00	346.61	409.00	409.00 A-59	423.00 A-59	415.00 A-59
48	Tandur stone slabs - 22-40 mm thick	Sq.M.	301.00	300.85	355.00	355.00 A-59	375.00 A-59	360.00 A-59
49	Ceramic tiles - 30 X 30 cm	Sq.M.	338.00	347.46	410.00	452.00 A-59	465.00 A-59	410.00 A-59
50	Ceramic tiles	Sq.M.	338.00	347.46	410.00	452.00 A-59	465.00 A-59	410.00 A-59
51	Marble white tiles with grey veins - adanga commercial							
a)	Size: 0.45 X 0.45 Mtr.	Sq.M.	945.00	974.58	1,150.00	1,184.00 A-59	1,210.00 A-59	1,150.00 A-59
b)	Size: 0.60 X 2.00 Mtrs.	Sq.M.	1,088.00	1,076.27	1,270.00	1,291.00 A-59	1,305.00 A-59	1,270.00 A-59
c)	Size: 0.90 X 2.40 Mtrs.	Sq.M.	1,149.00	1,231.36	1,453.00	1,453.00 A-59	1,480.00 A-59	1,460.00 A-59
52	Marble chips	qntl.	1,000.00	1,169.49	1,380.00	1,500.00 A-59	1,450.00 A-59	1,380.00 A-59
53	Unslacked lime	qntl.	844.00	788.14	930.00	990.00 A-59	930.00 A-59	950.00 A-59

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
54	Marble powder	Kg.	6.00	7.63	9.00	10.00 A-59	9.00 A-59	10.00 A-59
55	Aluminium Strips	Kg.	181.00	161.02	190.00	200.00 A-59	210.00 A-59	190.00 A-59
56	Vinyl flooring - 3 mm thick	Sq.M.	786.00	805.09	950.00	977.00 A-60	987.00 A-60	950.00 A-60
57	Marble slab with Grey veins - 16 to 20 mm thick	Sq.M.	605.00	686.44	810.00	861.00 A-60	892.00 A-60	810.00 A-60
58	Marble slab							
a)	Size: 0.6 X 2 Mtrs.	Sq.M.	605.00	686.44	810.00	861.00 A-60	892.00 A-60	810.00 A-60
b)	Size: 0.90 X 2 Mtrs.	Sq.M.	605.00	686.44	810.00	861.00 A-60	892.00 A-60	810.00 A-60
59	Granite stone Red/ Black - 16 to 20 mm thick	Sq.M.	2,298.00	2,177.97	2,570.00	2,690.00 A-60	2,570.00 A-60	2,600.00 A-60
60	Brass frame	foot	48.00	55.08	65.00	72.00 A-60	80.00 A-60	65.00 A-60
61	Marbonite tiles - 800 mm x 800 mm or nearer (HR Johnson)							
a)	Special marble series	Sq.M.	1,149.00	1,103.24	1,301.82	Previous Material rate increased by 13.30% - As approved by CE		
b)	Classic marble series	Sq.M.	1,210.00	1,161.81	1,370.93			
c)	Granite series	Sq.M.	1,859.00	1,784.96	2,106.25			
62	Marbonite tiles - 600 mm x 600 mm or nearer							
a)	Special marble series	Sq.M.	653.00	744.92	879.00	879.00 A-60	910.00 A-60	
b)	Classic marble series	Sq.M.	1,088.00	961.87	1,135.00	1,135.00 A-60	1,150.00 A-60	
c)	Granite series	Sq.M.	1,380.00	1,347.46	1,590.00	1,645.00 A-60	1,590.00 A-60	
63	China mosaic chips	Kg.	6.00	6.78	8.00	9.00 A-61	8.00 A-61	

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
63A	Oil primer	Lit.	---	110.17	130.00	130.00		
63B	Atactic Poly Propylene (APP) - 4 mm thick	Sq.M.	---	211.87	250.00	250.00		
63C	Atactic Poly Propylene (APP) - 3 mm thick	Sq.M.	---	173.73	205.00	205.00		
63D	Bituminous Aluminium Paint	Lit.	---	152.54	180.00	180.00		
SECTION - IX PLASTERING & POINTING WORK								
64	Geru (Red Oxide)	MT	12,000.00	11,864.44	14,000.00	15,000.00 A-61	14,000.00 A-61	
65	Gunmixaid	Kg.	52.00	40.68	48.00	48.00 A-61	52.00 A-61	
66	Sunplex (Pouch of 330 grams)	Pouch	50.00	42.37	50.00	55.00 A-61	50.00 A-61	
66A	Pre-packed Ready Mix Plaster of Silico plast	Kg.	---	220.34	260.00	260.00		
SECTION - X PAINTING & POLISHING WORK								
67	Lime	qntl.	1,325.00	1,991.53	2,350.00	2,600.00 A-61	2,400.00 A-61	2,350.00 A-61
68	Cement Primer	Lit.	169.00	131.36	155.00	160.00 A-61	155.00 A-61	180.00 A-61
69	Oil Bound Distemper	Kg.	79.00	63.56	75.00	75.00 A-61	80.00 A-61	80.00 A-61
70	Water proof cement paint (Colourcem/ Nitcocem/ Supremecem)	Kg.	37.00	32.20	38.00	40.00 A-61	38.00 A-61	40.00 A-61
71	Water proof cement paint (Snowcem Plus)	Kg.	46.00	40.68	48.00	48.00 A-61	50.00 A-61	50.00 A-61
72	Ready mixed primer (Red oxide)	Lit.	56.00	110.17	130.00	140.00 A-61	170.00 A-61	130.00 A-61
73	Plastic emulsion paint	Lit.	109.00	105.93	125.00	125.00 A-61	260.00 A-61	175.00 A-61

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
74	Synthetic flat paint	Lit.	174.00	167.07	197.14	Previous Material rate increased by 13.30% - As approved by CE		
75	Synthetic enamel paint	Lit.	170.00	220.34	260.00	260.00 A-61	265.00 A-61	280.00 A-61
76	Aluminium paint	Lit.	160.00	254.24	300.00	300.00 A-61	320.00 A-61	320.00 A-61
77	Velvet Paint	Lit.	385.00	364.41	430.00	440.00 A-62	430.00 A-62	450.00 A-62
78	Spirit	Lit.	90.00	77.97	92.00	92.00 A-62	110.00 A-62	100.00 A-62
79	Linseed oil	Lit.	145.00	135.59	160.00	181.00 A-62	160.00 A-62	190.00 A-62
80	Road marking paint	Lit.	150.00	186.44	220.00	220.00 A-62	260.00 A-62	255.00 A-62
81	Paint remover	Lit.	133.00	139.83	165.00	165.00 A-62	180.00 A-62	165.00 A-62
82	Kerosene oil	Lit.	57.29	53.28	62.87	110.00 A-62	62.87 A-62	
83	Ready mixed wood primer for wood work	Lit.	145.00	139.83	165.00	190.00 A-62	175.00 A-62	165.00 A-62
84	Ready mixed primer to steel surface - Red Oxide	Lit.	56.00	110.17	130.00	140.00 A-61	170.00 A-61	130.00 A-61
85	Whiting	Kg.	8.50	9.32	11.00	11.00 A-62	15.00 A-62	12.00 A-62
86	PolyCoat-TST	Lit.	300.00	233.05	275.00	330.00 A-62	300.00 A-62	275.00 A-62
87	Water repellant S-101	Lit.	196.00	173.73	205.00	205.00 A-62		
88	Exterior Grade 'Apex Acrylic' from Asian paints	Lit.	216.00	190.68	225.00	225.00 A-62	260.00 A-62	240.00 A-62
89	Sunext-8	Lit.	173.00	150.00	177.00	177.00 A-62	194.00 A-62	
90	Exterior wall primer	Lit.	110.00	110.17	130.00	130.00 A-62	130.00 A-62	
91	Yellow Zinc chromate primer	Lit.	110.00	148.31	175.00	175.00 A-62	220.00 A-62	180.00 A-62

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
92	Wood primer							
a)	White	Lit.	158.00	97.46	115.00	115.00 A-63	140.00 A-63	135.00 A-63
b)	Pink	Lit.	135.00	91.53	108.00	108.00 A-63	135.00 A-63	120.00 A-63
93	Sunnoflame	Kg.	315.00	288.14	340.00	395.00 A-63	345.00 A-63	340.00 A-63
94	Sandtex matt	Lit.	213.00	194.92	230.00	245.00 A-63	257.00 A-63	230.00 A-63
95	Polytext Finish	Kg.	40.00	42.37	50.00	50.00 A-63		
96	Shellac/ Wood filler	Kg.	230.00	211.87	250.00	290.00 A-63	250.00 A-63	265.00 A-63
97	Exterior wall primer	Lit.	73.00	110.17	130.00	130.00 A-63	130.00 A-63	
98	Touch Wood Polyurethane	Lit.	267.00	230.51	272.00	272.00 A-63	280.00 A-63	
99	Hire charges for Polishing machine	Day	300.00	262.71	310.00	310.00 A-63	350.00 A-63	
100	Plastic emulsion	Lit.	195.00	177.97	210.00	210.00 A-63	230.00 A-63	215.00 A-63
101	Aluminium paint	Lit.	135.00	245.76	290.00	290.00 A-63	320.00 A-63	310.00 A-63
102	Tuffkote Drinklon Aluminium Black Paint	Lit.	200.00	177.97	210.00	210.00 A-63	220.00 A-63	230.00 A-63
102A	Elastomeric rubberized paint (Raincoat or eq.)	Lit.	---	330.51	390.00	390.00 A-63		
102B	Exterior primer (Primeseal or eq.)	Lit.	---	237.29	280.00	280.00 A-63		

			Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
Sr. No.	Description of Material	Unit (per)		Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
<div>SECTION - XI</div> <div>STEEL WORK</div>								
103	Steel members							
a)	R.S. Joists	qntl.	5,063.00	4,264.42	5,032.00	5,080.00 A-16	5,032.00 A-16	
b)	ISMB – 100	qntl.	5,063.00	4,204.25	4,961.00	5,012.00 A-16	4,961.00 A-16	
c)	ISMB – 300	qntl.	5,232.00	4,271.20	5,040.00	5,141.00 A-16	5,040.00 A-16	
d)	ISMB – 450	qntl.	5,232.00	4,377.98	5,166.00	5,243.00 A-16	5,166.00 A-16	
e)	ISMB – 600	qntl.	5,794.00	4,583.06	5,408.00	5,489.00 A-16	5,408.00 A-16	
104	Flats	qntl.	4,535.00	4,022.05	4,746.00	5,221.00 A-16	4,746.00 A-16	
105	Gusset plate - 10mm thick	qntl.	4,535.00	4,583.06	5,408.00	5,489.00 A-16	5,408.00 A-16	
106	Holding down bolts	qntl.	10,166.00	6,198.32	7,314.00	8,777.00 A-16	7,314.00 A-16	
107	m.s. Channels	qntl.	5,087.00	4,022.05	4,746.00	4,841.00 A-16	4,746.00 A-16	
108	m.s. Grills fabricated							
a)	Weighing 15 – 20 Kgs. per Sq.M.	Sq.M.	1,575.00	1,190.68	1,405.00	1,484.00 A-16	1,475.00 A-16	1,405.00 A-16
b)	Weighing 20 – 25 Kgs. per Sq.M.	Sq.M.	2,025.00	1,601.70	1,890.00	1,980.00 A-16	1,890.00 A-16	1,932.00 A-16
c)	Weighing 25 – 30 Kgs. per Sq.M.	Sq.M.	2,475.00	1,813.56	2,140.00	2,351.00 A-16	2,140.00 A-16	2,210.00 A-16
109	Supply of steel windows including glazing and painting	Sq.M.	1,806.00	1,823.73	2,152.00	2,152.00 A-16	2,238.00 A-16	
110	Plain glass per mm thickness	Sq.M.	82.00	108.47	128.00	128.00	136.00	

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
111	Ready made steel door with hinges, Iron plug with nuts and spring to hold glass panels	Sq.M.	1,656.00	1,687.29	1,991.00	A-20 1,991.00	A-20 2,044.00	
112	Bolts/ Rivetts	qntl.	10,200.00	7,545.78	8,904.00	A-16 9,794.00	A-16 8,904.00	10,500.00
113	Rolling shutter - 20 guage	Sq.M.	2,469.00	2,118.65	2,500.00	A-17 2,950.00	A-17	2,500.00
114	Welding charge	Mtr.	90.00	93.22	110.00	A-17 120.00	A-17 110.00	125.00
115	Unserviceable rails	Mtr.	248.00	222.03	262.00	A-17 262.00		300.00
116	m.s. Angles	qntl.	5,032.00	4,022.05	4,746.00	A-17 5,126.00	A-17 4,746.00	
117	Flats/ plates - 6mm thick	qntl.	4,535.00	4,583.06	5,408.00	A-17 5,516.00	A-17 5,408.00	
118	m.s. double leaf sliding door	qntl.	5,875.00	4,830.52	5,700.00	A-17 5,895.00		5,700.00
118A	Structural steel holooow sections	qntl.	---	4,800.86	5,665.00	A-17 5,665.00	A-17 5,700.00	
119	Split bolt							
a)	20 mm dia. 150 mm long	Each	68.00	66.10	78.00	A-17 78.00		
b)	16 mm dia. 125 mm long	Each	36.00	38.14	45.00	A-17 45.00		
c)	12 mm dia. 100 mm long	Each	18.00	16.95	20.00	A-17 20.00		
120	Steel fabrication	Kg.	22.50	25.42	30.00	A-17 30.00	A-17 32.00	32.00
121	Carriage for steel members including loading & unloading	qntl.	110.00	211.87	250.00	A-17 310.00	A-17 350.00	250.00
121A	Galvanizing of steel members - Minimum 100 micron coating		---	2,203.40	2,600.00	A-18 2,600.00		

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
<div>SECTION - XII</div> <div>WOOD WORK</div>								
122	Second class Indian Teak Wood	Cu.M.	43,700.00	63,279.84	74,670.00	74,670.00 A-1	84,400.00 A-1	
123	Iron oxidised butt hinges							
a)	100 X 58 X 1.9 mm	Each	10.00	25.42	30.00	30.00 B-10	35.00 B-10	
b)	50 X 37 X 1.4 mm	Each	6.00	16.95	20.00	20.00 B-10	24.00 B-10	
124	Particle board - 12 mm thick	Sq.M.	448.00	434.75	513.00	513.00 A-1	537.00 A-1	
125	Beading decorative - 20 mm X 8 mm	Mtr.	23.00	22.03	26.00	30.00 A-1	26.00 A-1	
126	Curtain rod brackets	Each	18.00	40.68	48.00	48.00 B-10	53.00 B-10	
127	Curtain channel	Mtr.	65.00	67.80	80.00	80.00 B-10	91.00 B-10	
128	Decorative teak ply - 12 mm thick with veneer on one face	Sq.M.	1,315.00	1,337.29	1,578.00	1,578.00 A-1	1,612.00 A-1	
129	Anodized aluminium curtain rod - 16 mm dia.	Mtr.	72.00	72.03	85.00	85.00 B-10	92.00 B-10	125.00 B-10
130	Curtain rollers	Each	2.00	3.39	4.00	4.00 B-10	6.00 B-10	10.00 B-10
131	Curtain stop ends	Each	4.00	6.78	8.00	8.00 B-10	10.00 B-10	20.00 B-10
132	Decorative ply - 4 mm thick	Sq.M.	320.00	289.83	342.00	342.00 A-1	354.00 A-1	
133	Expanded metal mesh - 20 mm X 60 mm 3.25 mm wide X 10 gauge	Sq.M.	130.00	123.73	146.00	146.00 B-10	153.00 B-10	220.00 B-10
134	Steel weld mesh (BRC) - 3" X 1", 13 gauge X 9 gauge	Sq.M.	145.00	133.90	158.00	158.00	170.00	210.00

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
135	Bamboo mats (5' X 3' = 1.4 Sq.M.)	Sq.M.	28.00	33.05	39.00	B-10 39.00	B-10 42.00	B-10 39.00
136	Bamboo batten (8' to 12')	Mtr.	5.00	15.25	18.00	A-1 20.00	A-1 18.00	A-1 20.00
137	Brass single acting spring hinge							
a)	100 mm size	Each	300.00	275.42	325.00	B-10 325.00	B-10 380.00	
b)	150 mm size	Each	490.00	300.85	355.00	B-10 355.00	B-10 410.00	
138	Brass double acting spring hinge							
a)	100 mm long	Each	274.00	266.95	315.00	B-10 315.00	B-10 342.00	
b)	150 mm long	Each	336.00	317.80	375.00	B-10 375.00	B-10 398.00	
139	'Godrej' night latch	Each	630.00	661.02	780.00	B-11 780.00	B-11 942.00	
140	Peep hole wide angle lens	Each	55.00	63.56	75.00	B-11 75.00	B-11 90.00	
141	Hydraulic Door closure	Each	490.00	542.37	640.00	B-11 640.00	B-11 810.00	
142	Door letter box plate (Brass) - 200 mm long	Each	340.00	305.09	360.00	B-11 360.00	B-11 410.00	
143	Iron oxidised pegs (hooks)	Each	8.00	8.47	10.00	B-11 10.00	B-11 13.00	
144	Anodized aluminium pegs (hooks)	Each	21.00	23.73	28.00	B-11 28.00	B-11 30.00	
145	T-hinges (100 X 250 X 2.24 mm)	Each	35.00	37.29	44.00	B-11 44.00	B-11 55.00	
146	Anodised brass pegs (hooks)	Each	39.00	27.12	32.00	B-11 32.00	B-11 43.00	
147	Brass metallic door stopper	Each	107.00	100.00	118.00	B-11 118.00	B-11 128.00	
148	Aluminium metallic door stopper	Each	36.00	33.90	40.00	B-11 40.00	B-11 51.00	

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
149	Eye hook, m.s. oxidised							
a)	100 mm	Each	5.00	8.05	9.50	12.00 B-11	15.00 B-11	9.50 B-11
b)	150 mm	Each	6.00	10.17	12.00	15.00 B-11	20.00 B-11	12.00 B-11
c)	200 mm	Each	8.00	12.71	15.00	20.00 B-11	22.00 B-11	15.00 B-11
150	Eye hook, Brass Oxidised							
a)	100 mm	Each	25.50	23.73	28.00	28.00 B-11	34.00 B-11	36.00 B-11
b)	150 mm	Each	44.00	39.83	47.00	47.00 B-11	57.00 B-11	48.00 B-11
c)	200 mm	Each	54.00	50.85	60.00	60.00 B-11	68.00 B-11	62.00 B-11
151	Eye hook, anodized aluminium							
a)	100 mm	Each	12.00	12.71	15.00	15.00 B-12	22.00 B-12	18.00 B-12
b)	150 mm	Each	15.00	16.95	20.00	20.00 B-12	25.00 B-12	24.00 B-12
c)	200 mm	Each	17.00	15.25	18.00	18.00 B-12	29.00 B-12	30.00 B-12
152	Handles							
a)	Handles - Iron oxidised - 100 mm	Each	8.00	8.47	10.00	10.00 B-12	14.00 B-12	
b)	Handles - m.s. oxidised - 150 mm	Each	10.00	11.86	14.00	14.00 B-12	20.00 B-12	
c)	Handles - Brass oxidised							
(i)	100 mm	Each	45.00	42.37	50.00	50.00 B-12	62.00 B-12	
(ii)	150 mm	Each	47.00	44.07	52.00	52.00	70.00	

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
	(iii) 200 mm	Each	54.00	50.85	60.00	B-12 60.00 B-12	B-12 79.00 B-12	
d)	Handles - Anodized aluminium							
	(i) 100 mm	Each	14.00	12.71	15.00	B-12 15.00 B-12	B-12 22.00 B-12	
	(ii) 150 mm	Each	27.00	25.42	30.00	B-12 30.00 B-12	B-12 41.00 B-12	
	(iii) 200 mm	Each	34.00	29.66	35.00	B-12 35.00 B-12	B-12 47.00 B-12	
153	Aldrops							
a)	Aldrops - Iron oxidised with 12 mm rod							
	(i) 200 mm	Each	62.00	55.08	65.00	B-12 75.00 B-12	B-12 81.00 B-12	B-12 65.00 B-12
	(ii) 250 mm	Each	66.00	69.49	82.00	B-12 82.00 B-12	B-12 92.00 B-12	B-12 90.00 B-12
	(iii) 300 mm	Each	78.00	76.27	90.00	B-12 90.00 B-12	B-12 102.00 B-12	B-12 100.00 B-12
b)	Aldrops - Brass oxidised with 12 mm rod							
	(i) 200 mm	Each	366.00	317.80	375.00	B-13 410.00 B-13	B-13 400.00 B-13	B-13 375.00 B-13
	(ii) 250 mm	Each	561.00	444.92	525.00	B-13 580.00 B-13	B-13 600.00 B-13	B-13 525.00 B-13
	(iii) 300 mm	Each	660.00	576.27	680.00	B-13 680.00 B-13	B-13 690.00 B-13	B-13 720.00 B-13
	(iv) 350 mm	Each	900.00	796.61	940.00	B-13 940.00 B-13	B-13 1,050.00 B-13	B-13 1,450.00 B-13
c)	Aldrops - Anodised aluminium with 12 mm rod							
	(i) 200 mm	Each	90.00	72.03	85.00	B-13 95.00 B-13	B-13 92.00 B-13	B-13 85.00 B-13
	(ii) 250 mm	Each	115.00	101.70	120.00	B-13 125.00 B-13	B-13 130.00 B-13	B-13 120.00 B-13
	(iii) 300 mm	Each	165.00	152.54	180.00	B-13 180.00 B-13	B-13 195.00 B-13	B-13 190.00 B-13

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
154	Tower bolts					B-13	B-13	B-13
a)	Tower bolts - Iron oxidised with 7 mm rod							
	(i) 100 mm	Each	8.50	8.47	10.00	10.00	16.00	20.00
						B-13	B-13	B-13
	(ii) 150 mm	Each	14.00	13.56	16.00	16.00	22.00	25.00
						B-13	B-13	B-13
	(iii) 200 mm	Each	23.00	25.42	30.00	30.00	32.00	35.00
						B-13	B-13	B-13
b)	Tower bolts - Brass oxidised with 8 mm rod							
	(i) 100 mm	Each	70.00	57.63	68.00	84.00	78.00	68.00
						B-13	B-13	B-13
	(ii) 150 mm	Each	105.00	101.70	120.00	120.00	130.00	
						B-13	B-13	
	(iii) 200 mm	Each	135.00	120.34	142.00	150.00	142.00	
						B-13	B-13	
c)	Tower bolts - Anodised aluminium							
	(i) 100 mm	Each	20.00	18.64	22.00	22.00	28.00	30.00
						B-14	B-14	B-14
	(ii) 150 mm	Each	24.00	22.88	27.00	27.00	31.00	33.00
						B-14	B-14	B-14
	(iii) 200 mm	Each	29.00	27.12	32.00	32.00	40.00	45.00
						B-14	B-14	B-14
155	Door latches							
a)	Door latches - Iron oxidised							
	(i) 200 mm	Each	35.00	30.51	36.00	36.00	39.00	40.00
						B-14	B-14	B-14
	(ii) 250 mm	Each	42.00	38.14	45.00	45.00	52.00	45.00
						B-14	B-14	B-14
	(iii) 300 mm	Each	50.00	46.61	55.00	60.00	60.00	55.00
						B-14	B-14	B-14
b)	Door latches - Brass oxidised							
	(i) 200 mm	Each	105.00	93.22	110.00	110.00	127.00	135.00

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	(ii) 250 mm	Each	122.00	110.17	130.00	B-14 130.00	B-14 145.00	B-14 160.00
	(iii) 300 mm	Each	195.00	177.97	210.00	B-14 210.00	B-14 225.00	B-14 210.00
c)	Door latches - Anodised aluminium							
	(i) 200 mm	Each	49.00	46.61	55.00	B-14 55.00	B-14 65.00	B-14 60.00
	(ii) 250 mm	Each	65.00	63.56	75.00	B-14 76.00	B-14 80.00	B-14 75.00
	(iii) 300 mm	Each	75.00	67.80	80.00	B-14 82.00	B-14 85.00	B-14 80.00
156	Door Stoppers							
a)	Door Stopper - Brass	Each	105.00	76.27	90.00	B-14 120.00	B-14 100.00	B-14 90.00
b)	Door Stopper - C.P. Brass	Each	115.00	93.22	110.00	B-15 130.00	B-15 125.00	B-15 110.00
c)	Door Stopper - Powder coated	Each	33.00	33.90	40.00	B-15 40.00	B-15 49.00	B-15 40.00
d)	Door Stopper - Aluminium	Each	29.00	27.97	33.00	B-15 40.00	B-15 38.00	B-15 33.00
157	Teak wood Lipping - 3 mm	Mtr.	22.00	23.73	28.00	A-1 30.00	A-1 28.00	
158	Wire gauge	Sq.M.	495.00	436.44	515.00	B-15 550.00	B-15 515.00	
159	Brass Screws							
a)	20 mm	Each	1.00	1.27	1.50	B-15 2.00	B-15 2.50	B-15 1.50
b)	40 mm	Each	3.00	3.39	4.00	B-15 4.00	B-15 4.50	B-15 4.00
160	Battens - Size: 12X12 mm	Mtr.	10.00	12.71	15.00	A-1 19.00	A-1 15.00	

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161	Screws							
a)	40 mm	100 Nos.	75.00	72.03	85.00	85.00 B-15	90.00 B-15	
b)	25 mm	100 Nos.	62.00	63.56	75.00	75.00 B-15	85.00 B-15	
162	Sash bar	Mtr.	35.00	38.14	45.00	45.00 B-15	60.00 B-15	
163	Decorative door shutter							
a)	40 mm thick	Sq.M.	1,920.00	1,889.84	2,230.00	2,230.00 A-1	2,300.00 A-1	
b)	35 mm thick	Sq.M.	1,735.00	1,550.85	1,830.00	1,830.00 A-1	1,950.00 A-1	
c)	30 mm thick	Sq.M.	1,650.00	1,457.63	1,720.00	1,720.00 A-1	1,845.00 A-1	
d)	25 mm thick	Sq.M.	1,600.00	1,432.21	1,690.00	1,690.00 A-1	1,757.00 A-1	
164	Non Decorative door shutter							
a)	40 mm thick	Sq.M.	950.00	1,086.44	1,282.00	1,282.00 A-2	1,302.00 A-2	
b)	35 mm thick	Sq.M.	830.00	931.36	1,099.00	1,099.00 A-2	1,135.00 A-2	
c)	30 mm thick	Sq.M.	785.00	879.66	1,038.00	1,038.00 A-2	1,099.00 A-2	
d)	25 mm thick	Sq.M.	740.00	724.58	855.00	855.00 A-2	865.00 A-2	
165	One face veneer & other face non-decorative							
a)	40 mm thick	Sq.M.	1,430.00	1,538.14	1,815.00	1,815.00 A-2	1,827.00 A-2	
b)	35 mm thick	Sq.M.	1,280.00	1,366.11	1,612.00	1,612.00 A-2	1,660.00 A-2	
c)	30 mm thick	Sq.M.	1,215.00	1,314.41	1,551.00	1,551.00	1,624.00	

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	d) 25 mm thick	Sq.M.	1,150.00	1,159.33	1,368.00	A-2 1,368.00 A-2	A-2 1,390.00 A-2	
166	C.P.M.S. Eye hook							
	a) 4"	Each	7.00	8.47	10.00	10.00 B-15	15.00 B-15	
	b) 6"	Each	9.50	10.17	12.00	12.00 B-15	18.00 B-15	
	c) 8"	Each	12.00	12.71	15.00	15.00 B-15	20.00 B-15	
	d) 10"	Each	16.00	15.25	18.00	18.00 B-15	22.00 B-15	
	e) 12"	Each	23.00	22.03	26.00	26.00 B-15	30.00 B-15	
167	Non decorative waterproof ply - 19 mm thick	Sq.M.	702.00	848.31	1,001.00	1,038.00 A-2	1,001.00 A-2	
168	Aluminium Aldrop - 10" - 250 mm long	Each	183.00	161.02	190.00	190.00 B-16	195.00 B-16	
169	Brass Aldrop - 10" - 250 mm long	Each	300.00	266.95	315.00	320.00 B-16	315.00 B-16	
170	Teak wood bracket	Each	23.00	35.59	42.00	45.00 A-2	42.00 A-2	
171	Aluminium tower bolt - 6" long	Each	105.00	76.27	90.00	90.00 B-16	95.00 B-16	
172	Aluminium Peg	Each	15.00	13.56	16.00	16.00 B-16	18.00 B-16	
173	Anodised Aluminium butt hinges 4"	Each	65.00	64.41	76.00	76.00 B-16	80.00 B-16	
174	Brass hinges 100 X 58 X 19 mm	Each	101.00	93.22	110.00	110.00 B-16	115.00 B-16	
175	Decorative Teak ply waterproof - 6 mm thick	Sq.M.	950.00	807.63	953.00	977.00 A-2	953.00 A-2	
176	Aluminium handle - 6" long	Each	15.00	23.73	28.00	28.00 B-16	30.00 B-16	
177	G.I. Sheet Plain - 20 guage	Sq.M.	363.00	347.46	410.00	410.00 B-16	415.00 B-16	

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
178	Towel rod Aluminium powder coated - 60 cm	Each	163.00	154.24	182.00	182.00 B-16	185.00 B-16	
179	Towel rod Brass Chromium plated	Each	321.00	313.56	370.00	370.00 B-16	375.00 B-16	
180	Hardner panel sheet	Sq.M.	508.00	459.32	542.00	542.00 B-16	545.00 B-16	
181	Rubber Gasket	Mtr.	7.00	8.47	10.00	10.00 B-16	12.00 B-16	
182	Stainless steel hinges heavy - 100 mm	Each	30.00	33.90	40.00	40.00 B-16	45.00 B-16	
183	Aluminium channel - 6 mm	Mtr.	23.00	21.19	25.00	25.00 B-16	28.00 B-16	
184	Aluminium section for sides of door	Mtr.	134.00	122.03	144.00	144.00 B-16	152.00 B-16	
185	Aluminium section for middle portion of door	Mtr.	190.00	160.17	189.00	189.00 B-17	195.00 B-17	
SECTION - XIII								
ROOFING WORK								
186	Mangalore tiles (Std. size)	100 Nos.	1,800.00	1,796.62	2,120.00	2,120.00 B-18		
187	Red ochre paint	Kg.	36.00	37.29	44.00	44.00 B-18		
188	Mangalore tile ridges	100 Nos.	6,500.00	5,389.85	6,360.00	6,360.00 B-18		
189	A.C. Sheets - Plain/ Corrugated - 6 mm thick	Sq.M.	219.00	200.00	236.00	242.00 B-18	238.00 B-18	236.00 B-18
190	G.I. 'J' / 'L' hooks with nuts & bolts - 8 mm dia.	Each	13.00	15.25	18.00	20.00 B-18	18.00 B-18	21.00 B-18
191	G.I. Washers	Each	1.00	1.69	2.00	2.00 B-18	2.00 B-18	2.00 B-18
192	Bitumen washers	Each	1.00	1.69	2.00	2.00 B-18	2.00 B-18	2.00 B-18
193	A.C. Sheets (semi corrugated) - 6 mm thick	Sq.M.	309.00	193.22	228.00	232.00 B-18	228.00 B-18	240.00 B-18

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
194	A.C. Closed fitting adjustable ridges - 6 mm thick	Pair	394.00	378.31	446.40	Previous Material rate increased by 13.30% - As approved by CE		
195	A.C. adjustable ridges - 1.22 Mtrs. length							
a)	Serrated ridges	Pair	211.00	211.87	250.00	250.00 B-18	262.00 B-18	254.00 B-18
b)	Unserrated ridges	Pair	233.00	233.05	275.00	275.00 B-18	280.00 B-18	292.00 B-18
196	A.C. North light two pieces adjustable ridges (1.22 Mtrs. length)	Pair	619.00	594.35	701.33	Previous Material rate increased by 13.30% - As approved by CE		
197	Plain A.C. Ridges - 1.22 Mtrs. length	Each	253.00	243.22	287.00	302.00 B-18	292.00 B-18	287.00 B-18
198	A.C. Air extractor (roof) - 30" dia.	Each	8,640.00	8,295.89	9,789.12	Previous Material rate increased by 13.30% - As approved by CE		
199	A.C. Cowl type ventilator	Each	233.00	223.72	263.99	Previous Material rate increased by 13.30% - As approved by CE		
200	A.C. Roof light	Each	1,004.00	964.01	1,137.53	Previous Material rate increased by 13.30% - As approved by CE		
201	A.C. Ridge finials	Pair	114.00	109.46	129.16	Previous Material rate increased by 13.30% - As approved by CE		
202	Apron flashing pieces - 1.12 Mtrs. long	Each	186.00	178.59	210.74	Previous Material rate increased by 13.30% - As approved by CE		
203	Eaves filler pieces - 1.016 Mtrs. long	Each	132.00	126.74	149.56	Previous Material rate increased by 13.30% - As approved by CE		
204	North light ventilator curves - 1.016 Mtrs. long	Each	275.00	264.05	311.58	Previous Material rate increased by 13.30% - As approved by CE		
205	'S' type louvers - 1.83 Mtrs. long	Each	136.00	130.58	154.09	Previous Material rate increased by 13.30% - As approved by CE		
206	G.I. Bolts 10 mm dia. - both side threaded with G.I. nuts	Each	12.00	12.71	15.00	15.00 B-19	18.00 B-19	17.00 B-19
207	G.I. Bolts with nuts - 16 mm dia., 7 cm long	Each	22.00	23.73	28.00	32.00 B-19	28.00 B-19	39.00 B-19
208	Barge board							
a)	2.44 Mtrs. length	Each	382.00	366.79	432.81	Previous Material rate increased by 13.30% - As approved by CE		

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b)	1.83 Mtrs. length	Each	287.00	275.57	325.17	Previous Material rate increased by 13.30% - As approved by CE		
209	Seam bolts, nuts - 6 mm dia., 25 mm long	Each	6.00	5.76	6.80	Previous Material rate increased by 13.30% - As approved by CE		
210	A.C. Socketed half round eaves gutter							
a)	150 mm dia. - 1.83 Mtrs. length	Each	472.00	453.20	534.78	Previous Material rate increased by 13.30% - As approved by CE		
b)	225 mm dia. - 1.83 Mtrs. length	Each	650.00	624.11	736.45	Previous Material rate increased by 13.30% - As approved by CE		
c)	300 mm dia. - 1.83 Mtrs. length	Each	780.00	748.93	883.74	Previous Material rate increased by 13.30% - As approved by CE		
211	Plastic roofing compound	Kg.	106.00	111.86	132.00	132.00 B-20	148.00 B-20	
212	Asbestos strips - 48 mm wide, 6 mm thick	Mtr.	145.00	139.22	164.29	Previous Material rate increased by 13.30% - As approved by CE		
213	A.C. Plain ended valley gutter							
a)	400 X 125 X 250 mm	Each	1,140.00	1,094.60	1,291.62	Previous Material rate increased by 13.30% - As approved by CE		
b)	450 X 125 X 150 mm	Each	1,000.00	960.17	1,133.00	Previous Material rate increased by 13.30% - As approved by CE		
c)	600 X 150 X 225 mm	Each	1,326.00	1,273.19	1,502.36	Previous Material rate increased by 13.30% - As approved by CE		
214	G.I. Corrugated sheet - 24 gauge - (10' X 3')	Each	731.00	635.60	750.00	750.00 B-20	787.00 B-20	
215	Plain G.I. Sheet - 20 guage (8' X 4')	Each	1,460.00	1,377.12	1,625.00	1,625.00 B-20	1,700.00 B-20	1,715.00 B-20
216	m.s. flat iron bracket for half round gutter	Each	130.00	124.82	147.29	Previous Material rate increased by 13.30% - As approved by CE		
217	Union Clips							
a)	400 mm	Each	92.00	88.34	104.24	Previous Material rate increased by 13.30% - As approved by CE		
b)	450 mm	Each	126.00	120.98	142.76	Previous Material rate increased by 13.30% - As approved by CE		

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
c)	600 mm	Each	150.00	144.03	169.95	Previous Material rate increased by 13.30% - As approved by CE		
d)	900 mm	Each	210.00	201.64	237.93	Previous Material rate increased by 13.30% - As approved by CE		
218	AC rope	Mtr.	34.00	32.65	38.52	Previous Material rate increased by 13.30% - As approved by CE		
219	Transparent fibre glass sheet - 3 mm thick	Sq.M.	1,012.00	614.41	725.00	725.00 B-21	892.00 B-21	798.00 B-21
220	Compressor -Rental charges - with breaker & diesel	Day	3,400.00	3,220.35	3,800.00	3,800.00 B-21	4,000.00 B-21	
221	Compressor operational charges	Day	300.00	423.73	500.00	500.00 B-21	500.00 B-21	
221A	Pre-painted Al-zinc alloy coated (Galvalum) steel sheet Average 0.5 mm thick	Sq.M.	---	330.51	390.00	405.00 B-21	400.00	390.00
SECTION - XV								
ROAD WORK								
222	Rubble stone for soling	Cu.M.	636.00	538.98	636.00	636.00 A-8	650.00 A-8	1,048.00 A-8
223	Stone dust	Cu.M.	1,210.00	1,197.46	1,413.00	1,413.00 A-8	1,450.00 A-8	1,447.00 A-8
224	Stone metal - 40 to 90 mm size	Cu.M.	816.00	974.58	1,150.00	1,150.00 A-8	1,220.00 A-8	
225	Stone metal - 40 to 63 mm size	Cu.M.	816.00	1,135.60	1,340.00	1,340.00 A-8	1,385.00 A-8	
226	Stone grit/ stine chips - 6 mm size	Cu.M.	1,210.00	1,372.89	1,620.00	1,620.00 A-8	1,695.00 A-8	
227	Bitumen							
a)	60/70 grade	Kg.	56.71	32.86	38.78	38.78 A-9		
b)	80/100 grade	Kg.	55.68	34.92	41.21	41.21 A-9		
c)	30/40 grade	Kg.	60.65	31.98	37.74	37.74 A-9		
228	Bitumen Primer	Lit.	60.00	66.10	78.00	78.00 A-9	82.00	
						A-9	A-9	

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229	Steam Coal	Kg.	12.00	15.25	18.00	18.00 A-9	20.00 A-9	
230	Wire Brushes	Each	170.00	145.76	172.00	172.00 A-9	180.00 A-9	
231	Soft Brushes	Each	65.00	59.32	70.00	70.00 A-9	74.00 A-9	
232	Polythene sheet - 75 micron	Sq.M.	24.00	23.04	27.19	Previous Material rate increased by 13.30% - As approved by CE		
233	Pre-moulded asphalt filler - 18 mm	Sq.M.	482.00	462.80	546.11	Previous Material rate increased by 13.30% - As approved by CE		
234	H.D. bolts - 16mm dia., 350mm long	Each	80.00	76.81	90.64	Previous Material rate increased by 13.30% - As approved by CE		
235	Bullies - non-teak							
a)	150 mm dia.	Mtr.	66.00	110.17	130.00	140.00 A-2	130.00 A-2	
b)	125 mm dia.	Mtr.	56.00	93.22	110.00	110.00 A-2	118.00 A-2	
c)	100 mm dia.	Mtr.	54.00	76.27	90.00	90.00 A-2	95.00 A-2	
d)	80 mm dia.	Mtr.	50.00	59.32	70.00	70.00 A-2	70.00 A-2	
e)	75 mm dia.	Mtr.	46.00	55.08	65.00	65.00 A-2	68.00 A-2	
236	Sett Stone C. C.	Sq.M.	125.00	120.02	141.63	Previous Material rate increased by 13.30% - As approved by CE		
237	Road roller hire charges including diesel, driver, idle time etc.	Day	4,200.00	5,508.49	6,500.00	6,500.00 B-7	7,000.00 B-7	
238	Boiler hire charges	Day	1,200.00	1,694.92	2,000.00	2,000.00 B-7	2,500.00 B-7	
239	Mixer hire charges	Day	1,800.00	2,966.11	3,500.00	3,500.00 B-7	4,000.00 B-7	
240	Diesel	Lit.	62.60	54.99	64.89	64.89 B-7		
241	Kerb stone	Mtr.	168.00	161.31	190.34	Previous Material rate increased by 13.30% - As approved by CE		

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242	Stone water table	Mtr.	180.00	172.83	203.94	Previous Material rate increased by 13.30% - As approved by CE		
243	Concrete Paver block grey color - 100 mm thick	Sq.M.	610.00	640.68	756.00	756.00 B-7		
a)	60mm thick	Sq.M.	419.00	422.04	498.00	513.00 B-7	498.00 B-7	
b)	80 mm thick	Sq.M.	527.00	558.48	659.00	659.00 B-7		
244	Concrete Paver block - coloured - 100 mm thick	Sq.M.	635.00	662.71	782.00	782.00 B-8	910.00 B-8	
a)	60mm thick	Sq.M.	430.00	470.34	555.00	562.00 B-8	555.00 B-8	
b)	80 mm thick	Sq.M.	537.00	600.00	708.00	708.00 B-8	723.00 B-8	
245	Asphalt seal coat 7-8% bitumen 30-40 grade, 86-87% grit , 6% filler	MT	4,392.00	4,217.08	4,976.14	Previous Material rate increased by 13.30% - As approved by CE		
246	Vibratory roller hire charges	Day	9,000.00	10,593.25	12,500.00	12,500.00 B-8	16,000.00 B-8	14,000.00 B-8
247	Milling asphaltic surfaces - upto 50 mm depth	Sq.M.	96.00	105.93	125.00	132.00 B-8		125.00 B-8
248	Hire charges for JCB with operator, diesel etc.	Day	7,000.00	6,101.71	7,200.00	7,200.00 B-8	7,200.00 B-8	8,000.00 B-8
249	Hire charges for Dumper lorry	Day	5,000.00	5,932.22	7,000.00	7,000.00 B-8	7,800.00 B-8	8,500.00 B-8
a)	With operator, diesel etc.							
b)	With operator, diesel etc.	Trip	2,400.00	2,966.11	3,500.00	3,500.00 B-8	4,000.00 B-8	4,000.00 B-8
250	Hire charges for Bulldozer TD 80 with 12' blade	Day	10,000.00	12,711.90	15,000.00	16,000.00 B-8	15,000.00 B-8	15000 B-8
251	Hire charges for asphaltic plant	10 MT	6,000.00	8,474.60	10,000.00	10,000.00 B-8	10,800.00 B-8	11,000.00 B-8
252	Hire charges for asphaltic paver	Day	6,600.00	7,627.14	9,000.00	9,000.00 B-8	10,500.00 B-8	10,000.00 B-8
253	Hire charges for vacuum dewatering equipment	Day	6,600.00	6,779.68	8,000.00	8,000.00 B-8		

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SECTION - XVI SANITARY WORK								
254	Lead pipe - 32mm dia.	Mtr.	379.00	388.14	458.00		458.00 B-22	460.00 B-22
255	C.I. Bend - 100mm dia.	Each	423.00	491.53	580.00	580.00 B-22	580.00 B-22	
256	C.I. Pipe - 100mm dia.	Mtr.	797.00	723.73	854.00	854.00 B-22	1,065.00 B-22	
257	Cisterns							
a)	C.I. Cistern (10 litres) with chain, handle, C.I. brackets	Each	1,518.00	1,355.94	1,600.00		1,600.00 B-22	1,640.00 B-22
b)	Chinaware flushing cistern - Low level	Each	2,369.00	2,118.65	2,500.00		2,500.00 B-22	2,630.00 B-22
c)	PVC flushing cistern - 5 ltrs. Capacity with ball value, chain, symphonic etc.	Each	1,069.00	1,025.43	1,210.00		1,210.00 B-22	1,240.00 B-22
d)	PVC flushing cistern - 10 ltrs. Capacity with ball value, chain, symphonic etc.	Each	1,140.00	1,084.75	1,280.00		1,280.00 B-22	1,300.00 B-22
e)	PVC automatic flushing tank - 5 Ltr. capacity	Each	419.00	389.83	460.00	480.00 B-22	460.00 B-22	
f)	PVC automatic flushing tank - 10 Ltr. capacity	Each	527.00	500.00	590.00	590.00 B-22	600.00 B-22	
258	Brass Stop cock - 15mm dia.	Each	189.00	211.87	250.00	255.00 B-22	250.00 B-22	
259	PVC Pipe inlet to flushing cistern - 15mm dia.	Mtr.	50.00	55.08	65.00	65.00 B-22	70.00 B-22	
260	Water closets							
a)	European w.c. with integral 'P'/ 'S' trap	Each	850.00	813.56	960.00	980.00 B-22	960.00 B-22	
b)	Indian w.c. pan white with 'P' trap - 580 mm	Each	700.00	669.49	790.00	810.00 B-22	790.00 B-22	

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c)	Indian w.c. pan white with 'P' trap - 580 mm ('Hindustan' make)	Each	900.00	830.51	980.00	980.00 B-23	980.00 B-23	
d)	Orissa pattern w.c. pan	Each	1,080.00	1,033.90	1,220.00	1,250.00 B-23	1,220.00 B-23	
261	Bowl type flat back urinal - 440 X 315 X 265 mm	Each	650.00	601.70	710.00	740.00 B-23	710.00 B-23	
262	PVC drain pipe - 0.6 Mtrs. long	Each	55.00	59.32	70.00	72.00 B-23	70.00 B-23	
263	Bowl type angle back urinal with waste coupling 430 X 370 X 340 mm	Each	800.00	754.24	890.00	910.00 B-23	890.00 B-23	
264	Bowl type large flat urinal with waste coupling 610 X 400 X 380 mm	Each	1,995.00	1,872.89	2,210.00	2,210.00 B-23	2,215.00 B-23	
265	White glazed chinaware wash hand basin							
a)	630 X 551 mm with waste coupling	Each	1,974.00	1,932.21	2,280.00	2,280.00 B-23	2,280.00 B-23	
b)	630 X 510 mm with waste coupling	Each	1,974.00	1,932.21	2,280.00	2,280.00 B-23	2,280.00 B-23	
c)	550 X 400 mm with waste coupling (22" X 16")	Each	705.00	690.68	815.00	815.00 B-23	815.00 B-23	
d)	450 X 300 mm with waste coupling (18" X 12")	Each	538.00	515.26	608.00	608.00 B-23	608.00 B-23	
e)	400 X 400 mm with waste coupling	Each	563.00	515.26	608.00	608.00 B-23	608.00 B-23	
266	Bottle trap	Each	365.00	381.36	450.00	450.00 B-23	450.00 B-23	
267	Pillar tap	Each	275.00	271.19	320.00	320.00 B-23	320.00 B-23	
268	Union - 15 mm & coupling	Each	35.00	42.37	50.00	50.00 B-24	58.00 B-24	
269	White Chinaware laboratory sink 450 X 300 X 150 mm with waste coupling	Each	1,360.00	1,347.46	1,590.00	1,605.00 B-24	1,590.00 B-24	

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270	Brass bib taps - 15 mm	Each	135.00	194.92	230.00	230.00 B-24	230.00 B-24	
271	Brass stop-cock - 15 mm	Each	189.00	211.87	250.00	255.00 B-22	250.00 B-22	
272	White glazed Chinaware kitchen sink							
a)	610 X 450 X 250 mm with waste coupling	Each	3,712.00	3,627.13	4,280.00	4,306.00 B-24	4,280.00 B-24	
b)	610 X 450 X 200 mm with waste coupling	Each	3,345.00	3,203.40	3,780.00	3,800.00 B-24	3,780.00 B-24	
273	C.I. Pipe outlet - 32 mm dia.	Each	221.00	207.63	245.00	245.00 B-24	260.00 B-24	
274	Aluminium drain board - 600 X 450 mm	Each	511.00	533.90	630.00	630.00 B-24	630.00 B-24	
275	Chromium plated brass towel rods - 20mm dia.	Mtr.	330.00	294.92	348.00	348.00 B-24	348.00 B-24	
276	Chromium plated brass brackets	Pair	172.00	161.02	190.00	190.00 B-24	190.00 B-24	
277	Stainless steel towel rods - 20mm dia.	Mtr.	110.00	132.20	156.00	156.00 B-24	156.00 B-24	
278	Chromium plated m.s. brackets	Pair	76.00	69.49	82.00	82.00 B-24	85.00 B-24	
279	Anodised aluminium towel rods - 20mm dia.	Mtr.	92.00	93.22	110.00	112.00 B-24	110.00 B-24	
280	Anodised aluminium brackets	Pair	42.00	49.15	58.00	58.00 B-24	65.00 B-24	
281	Plate glass mirror - 600 X 450 mm bevelled edge with oil tampered hard board back	Each	700.00	694.92	820.00	830.00 B-25	820.00 B-25	
282	Chromium plated glass shelf brackets	Pair	240.00	224.58	265.00	265.00 B-25	270.00 B-25	
283	Glass 5 mm thick	Sq.M.	409.00	377.97	446.00	446.00 B-25		
284	PVC tooth brush & tumbler holder with brackets	Each	59.00	57.63	68.00	68.00 B-25	72.00 B-25	
285	Brass robe hooks	Each	60.00	54.24	64.00	70.00	64.00	

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286	Vitreous Chinaware toilet paper holder	Each	281.00	271.19	320.00	B-25 340.00	B-25 320.00	
287	Plastic soap container with brackets	Each	220.00	186.44	220.00	B-25 240.00	B-25 220.00	
288	Plastic air-purifier container with bracket	Each	60.00	57.63	68.00	B-25 80.00	B-25 68.00	
289	White colored plastic 'Commander' solid seats for European w.c. pan	Each	625.00	616.95	728.00	B-25 728.00	B-25 740.00	
290	White Colored hollow seat cover to European w.c.	Each	420.00	436.44	515.00	B-25 522.00	B-25 515.00	
291	C.I. soil pipe (s/s) (ISI marked) - 1.8 Mtrs. long							
a)	100 mm dia.	Each	1,435.00	1,794.07	2,117.00	B-25 2,117.00	B-25 2,117.00	
b)	75 mm dia.	Each	1,226.00	1,422.89	1,679.00	B-25 1,679.00	B-25 1,679.00	
292	C.I. bends							
a)	150 mm dia. - 9" x 9"	Each	857.00	822.87	970.98	Previous Material rate increased by 13.30% - As approved by CE		
b)	100 mm dia. - 9" x 12"	Each	542.00	556.78	657.00	B-26 657.00	B-26 657.00	
c)	100 mm dia. - 9" x 9"	Each	423.00	406.15	479.26	Previous Material rate increased by 13.30% - As approved by CE		
d)	75 mm dia. - 9" x 12"	Each	487.00	457.63	540.00	B-26 540.00	B-26 540.00	
e)	75 mm dia. - 12" x 3"	Each	332.00	318.78	376.16	Previous Material rate increased by 13.30% - As approved by CE		
293	C.I. bend with door							
a)	100 mm dia.	Each	469.00	544.92	643.00	B-26 643.00	B-26 643.00	
b)	75 mm dia.	Each	382.00	444.07	524.00	B-26 524.00	B-26 524.00	

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
294	C.I. 'T' with door							
a)	100 mm dia.	Each	679.00	788.14	930.00	930.00 B-26	930.00 B-26	
b)	75 mm dia.	Each	452.00	524.58	619.00	619.00 B-26	619.00 B-26	
295	C.I. 'Y' Junction, double with door							
a)	100 mm dia.	Each	1,020.00	1,183.90	1,397.00	1,397.00 B-26	1,397.00 B-26	
b)	75 mm dia.	Each	735.00	852.54	1,006.00	1,006.00 B-26	1,006.00 B-26	
296	C.I. 'Y' Junction, single with door							
a)	100 mm dia.	Each	800.00	960.17	1,133.00	1,133.00 B-26	1,133.00 B-26	
b)	75 mm dia.	Each	592.00	686.44	810.00	810.00 B-26	810.00 B-26	
297	C.I. Rain water pipe (ISI marked) - 1.8 Mtrs. long							
a)	150 mm dia.	Each	2,090.00	2,449.16	2,890.00	2,890.00 B-27	2,890.00 B-27	
b)	100 mm dia.	Each	1,216.00	1,167.57	1,377.73	Previous Material rate increased by 13.30% - As approved by CE		
298	C.I. Shoe							
a)	150 mm dia.	Each	502.00	685.60	809.00	809.00 B-27	921.00 B-27	
b)	100 mm dia.	Each	211.00	366.10	432.00	432.00 B-27	432.00 B-27	
299	A.C. Cowl							
a)	101.6 mm dia.	Each	74.00	71.05	83.84	Previous Material rate increased by 13.30% - As approved by CE		
b)	76.2 mm dia.	Each	53.00	50.89	60.05			

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					Previous Material rate increased by 13.30% - As approved by CE			
c)	63.5 mm dia.	Each	29.00	27.84	32.86			
					Previous Material rate increased by 13.30% - As approved by CE			
d)	50.8 mm dia.	Each	24.00	23.04	27.19			
					Previous Material rate increased by 13.30% - As approved by CE			
300	House drain C.I. pipes (ISI marked) single socket 1.8 Mtrs. Long							
a)	100 mm dia.	Each	1,435.00	1,794.07	2,117.00	2,117.00 B-27	2,117.00 B-27	
b)	150mm dia.	Each	2,599.00	3,015.26	3,558.00	3,558.00 B-27	3,558.00 B-27	
301	A.C. soil pipe - 3 Mtrs. long							
a)	101.60 mm dia.	Each	234.00	224.68	265.12			
					Previous Material rate increased by 13.30% - As approved by CE			
b)	76.2 mm dia.	Each	194.00	186.27	219.80			
					Previous Material rate increased by 13.30% - As approved by CE			
c)	63.5 mm dia.	Each	113.00	108.50	128.03			
					Previous Material rate increased by 13.30% - As approved by CE			
d)	50.8 mm dia.	Each	103.00	98.90	116.70			
					Previous Material rate increased by 13.30% - As approved by CE			
302	A.C. 'Y' Junction double							
a)	101.60 mm dia. - 4"	Each	110.00	105.62	124.63			
					Previous Material rate increased by 13.30% - As approved by CE			
b)	76.2 mm dia. - 3"	Each	86.00	82.57	97.44			
					Previous Material rate increased by 13.30% - As approved by CE			
c)	63.5 mm dia. - 2.5"	Each	49.00	47.05	55.52			
					Previous Material rate increased by 13.30% - As approved by CE			
d)	50.8 mm dia. - 2"	Each	43.00	41.29	48.72			
					Previous Material rate increased by 13.30% - As approved by CE			
303	A.C. Bend - 18" X 9"							
a)	101.6 mm dia.	Each	140.00	134.42	158.62			

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b)	76.2 mm dia.	Each	106.00	101.78	120.10	Previous Material rate increased by 13.30% - As approved by CE		
304	A.C. Bend - 9" x 9"					Previous Material rate increased by 13.30% - As approved by CE		
a)	63.5 mm dia.	Each	37.00	35.53	41.92	Previous Material rate increased by 13.30% - As approved by CE		
b)	50.8 mm dia.	Each	28.00	26.88	31.72	Previous Material rate increased by 13.30% - As approved by CE		
305	C.I. Nahani trap - 80 mm (3") with CI/ CP 125 mm grating (perforated)	Each	280.00	376.27	444.00	444.00	444.00	
306	C.I. circular (6") 150 mm grating with bars	Each	52.00	52.54	62.00	62.00	65.00	
307	Union	Each	55.00	55.08	65.00	65.00	70.00	
308	Coupling	Each	55.00	55.08	65.00	65.00	70.00	
309	Foot rest	Pair	114.00	116.95	138.00	140.00	138.00	
310	Flush valve	Each	1,200.00	1,169.49	1,380.00	1,380.00	1,410.00	
311	Mosquito proof coupling (plastic) - 40 mm	Each	14.00	23.73	28.00	30.00	28.00	
312	C.I./ m.s. bracket	Pair	115.00	108.47	128.00	130.00	128.00	
313	Chromium plated glass shelf bracket	Pair	150.00	152.54	180.00	180.00	190.00	
314	Chromium plated gratings	Each	46.00	50.85	60.00	60.00	70.00	
315	PVC SWR pipe							
a)	160 mm dia.	Mtr.	340.00	435.59	514.00	514.00	560.00	
b)	110 mm dia.	Mtr.	141.00	199.15	235.00	240.00	235.00	
c)	90 mm dia.	Mtr.	113.00	155.09	183.00	183.00	194.00	

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d)	75 mm dia.	Mtr.	78.00	112.71	133.00	B-29 133.00	B-29 134.00	
e)	65 mm dia.	Mtr.	---	101.70	120.00	B-29 122.00	B-29 120.00	
f)	50 mm dia.	Mtr.	---	93.22	110.00	B-29 110.00	B-29 112.00	
316	PVC SWR double 'Y' with door							
a)	110 mm dia.	Each	215.00	279.66	330.00	B-29 392.00	B-29 330.00	
b)	90 mm dia.	Each	190.00	266.95	315.00	B-29 315.00		
317	PVC SWR single 'Y' with door							
a)	110 mm dia.	Each	128.00	205.93	243.00	B-29 294.00	B-29 243.00	
b)	90 mm dia.	Each	113.00	180.51	213.00	B-29 220.00	B-29 213.00	
c)	75 mm dia.	Each	68.00	113.56	134.00	B-29 151.00	B-29 134.00	
318	PVC pipe connector - 110 mm dia.	Each	113.00	135.59	160.00	B-29 160.00	B-29 187.00	
319	PVC pipe clips							
a)	110 mm dia.	Each	18.00	17.80	21.00	B-30 21.00	B-30 29.00	
b)	160 mm dia.	Each	30.00	40.68	48.00	B-30 48.00	B-30 52.00	
320	PVC bend with door							
a)	160 mm dia.	Each	245.00	337.29	398.00	B-30 398.00	B-30 455.00	
b)	110 mm dia.	Each	100.00	122.03	144.00	B-30 144.00	B-30 148.00	
c)	90 mm dia.	Each	85.00	109.32	129.00	B-30 129.00	B-30 139.00	

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d)	75 mm dia.	Each	54.00	61.02	72.00	72.00 B-30	95.00 B-30	
321	PVC Nahani trap - 4" (110 X 75 MM)	Each	98.00	151.70	179.00	179.00 B-30	191.00 B-30	
322	PVC Jalli	Each	18.00	29.66	35.00	35.00 B-30	38.00 B-30	
323	PVC flushing tank	Each	1,140.00	1,059.33	1,250.00	1,250.00 B-30	1,280.00 B-30	
324	PVC grating	Each	45.00	50.85	60.00	60.00 B-30	60.00 B-30	
325	PVC Inlet pipe - 15mm dia.	Each	50.00	47.46	56.00	56.00 B-30	60.00 B-30	
326	PVC over-flow pipe	Each	35.00	44.07	52.00	52.00 B-30	56.00 B-30	
327	Flexible PVC Inlet pipe - 15mm dia.	Each	35.00	42.37	50.00	50.00 B-30	55.00 B-30	
328	Flexible PVC Outlet pipe - 40mm dia.	Each	40.00	55.08	65.00	70.00 B-30	65.00 B-30	
329	PVC SWR door bend							
a)	110 mm dia.	Each	100.00	122.03	144.00	144.00 B-31	148.00 B-31	
b)	75 mm dia.	Each	54.00	61.02	72.00	72.00 B-31	95.00 B-31	
330	PVC door Cap							
a)	110 mm dia.	Each	33.00	45.76	54.00	54.00 B-31	70.00 B-31	
b)	90 mm dia.	Each	28.00	50.00	59.00		59.00 B-31	
c)	75 mm dia.	Each	24.00	31.36	37.00	37.00 B-31	51.00 B-31	
331	PVC SWR vent cowl							
a)	110 mm dia.	Each	20.00	26.27	31.00	31.00 B-31	57.00 B-31	

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b)	90 mm dia.	Each	19.00	26.27	31.00	31.00 B-31	49.00 B-31	
c)	75 mm dia.	Each	11.00	16.95	20.00	20.00 B-31	39.00 B-31	
332	'P' trap earthen	Each	228.00	271.19	320.00	350.00 B-31	320.00 B-31	
333	Brick bat coba	Cu.M.	2,894.00	2,778.74	3,278.90			
SECTION - XVII						Previous Material rate increased by 13.30% - As approved by CE		
WATER SUPPLY WORK - FITTINGS								
334	W.I. galvanised pipe 'B' Class, Medium							
a)	15 mm dia.	Mtr.	97.00	70.34	83.00	91.00 A-25	83.00 A-25	
b)	20 mm dia.	Mtr.	114.00	85.59	101.00	121.00 A-25	101.00 A-25	
c)	25 mm dia.	Mtr.	167.00	115.25	136.00	169.00 A-25	136.00 A-25	
d)	32 mm dia.	Mtr.	207.00	144.92	171.00	209.00 A-25	171.00 A-25	
e)	40 mm dia.	Mtr.	227.00	151.70	179.00	249.00 A-25	179.00 A-25	
f)	50 mm dia.	Mtr.	310.00	211.87	250.00	329.00 A-25	250.00 A-25	
g)	65 mm dia.	Mtr.	400.00	324.58	383.00	435.00 A-25	383.00 A-25	
h)	80 mm dia.	Mtr.	507.00	364.41	430.00	562.00 A-25	430.00 A-25	
335	W.I. galvanised pipe 'C' Class, Heavy							
a)	15 mm dia.	Mtr.	102.00	83.90	99.00	99.00 A-25	101.00 A-25	
b)	20 mm dia.	Mtr.	133.00	111.02	131.00	131.00 A-25	137.00 A-25	
c)	25 mm dia.	Mtr.	203.00	152.54	180.00	201.00	180.00	

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d)	32 mm dia.	Mtr.	220.00	203.39	240.00	A-25 253.00 A-25	A-25 240.00 A-25	
e)	40 mm dia.	Mtr.	267.00	233.05	275.00	A-25 289.00 A-25	A-25 275.00 A-25	
f)	50 mm dia.	Mtr.	373.00	338.98	400.00	A-25 410.00 A-25	A-25 400.00 A-25	
g)	65 mm dia.	Mtr.	467.00	353.39	417.00	A-26 526.00 A-26	A-26 417.00 A-26	
h)	80 mm dia.	Mtr.	573.00	444.92	525.00	A-26 651.00 A-26	A-26 525.00 A-26	
i)	100 mm dia.	Mtr.	817.00	662.71	782.00	A-26 924.00 A-26	A-26 782.00 A-26	
336	Brass Nickel bib taps of screw down pattern							
a)	15 mm dia.	Each	160.00	144.07	170.00	A-26 170.00 A-26	A-26 250.00 A-26	
b)	20 mm dia.	Each	180.00	172.88	204.00	A-26 204.00 A-26	A-26 335.00 A-26	
337	Brass stop cocks of screw down pattern							
a)	15 mm dia.	Each	205.00	144.07	170.00	A-26 170.00 A-26	A-26 250.00 A-26	
b)	Brass ball valve - 20 mm dia.	Each	473.00	235.59	278.00	A-26 278.00 A-26	A-26 581.00 A-26	
c)	Brass ball valve - 25 mm dia.	Each	648.00	336.44	397.00	A-26 397.00 A-26	A-26 799.00 A-26	
d)	Brass ball valve - 32 mm dia.	Each	1,169.00	605.93	715.00	A-26 715.00 A-26	A-26 1,413.00 A-26	
e)	Brass ball valve - 40 mm dia.	Each	1,762.00	913.56	1,078.00	A-26 1,078.00 A-26	A-26 2,139.00 A-26	
f)	Brass ball valve - 50 mm dia.	Each	3,014.00	1,394.92	1,646.00	A-26 1,646.00 A-26	A-26 3,644.00 A-26	
338	Gun metal valve gate type (Peet valve)							
a)	15 mm dia.	Each	350.00	211.87	250.00	A-26 250.00 A-26	A-26 388.00 A-26	

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b)	20 mm dia.	Each	459.00	298.31	352.00	352.00 A-26	530.00 A-26	
c)	25 mm dia.	Each	764.00	433.05	511.00	511.00 A-27	849.00 A-27	
d)	32 mm dia.	Each	1,040.00	649.15	766.00	766.00 A-27	1,252.00 A-27	
e)	40 mm dia.	Each	1,350.00	913.56	1,078.00	1,078.00 A-27	1,697.00 A-27	
f)	50 mm dia.	Each	1,872.00	1,327.12	1,566.00	1,566.00 A-27	2,595.00 A-27	
g)	65 mm dia.	Each	3,675.00	2,491.53	2,940.00	2,940.00 A-27	4,495.00 A-27	
h)	80 mm dia.	Each	5,200.00	3,732.21	4,404.00	4,404.00 A-27	6,919.00 A-27	
339	G.I. wheel valve gate type with screwed female ends or flanged ends							
a)	25 mm dia.	Each	624.00	599.15	706.99	Previous Material rate increased by 13.30% - As approved by CE		
b)	32 mm dia.	Each	1,080.00	1,036.99	1,223.64	Previous Material rate increased by 13.30% - As approved by CE		
c)	40 mm dia.	Each	1,620.00	1,555.48	1,835.46	Previous Material rate increased by 13.30% - As approved by CE		
d)	50 mm dia.	Each	1,920.00	1,843.53	2,175.36	Previous Material rate increased by 13.30% - As approved by CE		
e)	65 mm dia.	Each	2,640.00	2,534.85	2,991.12	Previous Material rate increased by 13.30% - As approved by CE		
f)	80 mm dia.	Each	3,360.00	3,226.18	3,806.88	Previous Material rate increased by 13.30% - As approved by CE		
340	Brass ball valves with copper ball float							
a)	15 mm dia.	Each	230.00	220.84	260.59	Previous Material rate increased by 13.30% - As approved by CE		
b)	20 mm dia.	Each	244.00	234.28	276.45	Previous Material rate increased by 13.30% - As approved by CE		

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c)	25 mm dia.	Each	300.00	288.05	339.90	Previous Material rate increased by 13.30% - As approved by CE		
d)	32 mm dia.	Each	499.00	479.13	565.37	Previous Material rate increased by 13.30% - As approved by CE		
e)	40 mm dia.	Each	624.00	599.15	706.99	Previous Material rate increased by 13.30% - As approved by CE		
f)	50 mm dia.	Each	1,061.00	1,018.74	1,202.11	Previous Material rate increased by 13.30% - As approved by CE		
g)	65 mm dia.	Each	1,747.00	1,677.42	1,979.35	Previous Material rate increased by 13.30% - As approved by CE		
341	Brass ball valves with polythene ball float							
a)	15 mm dia.	Each	158.00	250.00	295.00	295.00		
						A-28		
b)	20 mm dia.	Each	271.00	346.61	409.00	409.00		
						A-28		
c)	25 mm dia.	Each	375.00	586.44	692.00	692.00		
						A-28		
d)	40 mm dia.	Each	865.00	1,519.50	1,793.00	1,793.00		
						A-28		
e)	50 mm dia.	Each	1,355.00	2,472.04	2,917.00	2,917.00		
						A-28		
342	Gun metal non-return valves - Vertical valves							
a)	15 mm dia.	Each	179.00	180.51	213.00	213.00		
						A-28		
b)	20 mm dia.	Each	265.00	269.49	318.00	318.00		
						A-28		
c)	25 mm dia.	Each	379.00	383.05	452.00	452.00		
						A-28		
d)	32 mm dia.	Each	522.00	538.98	636.00	636.00		
						A-28		
e)	40 mm dia.	Each	700.00	721.19	851.00	851.00		
						A-29		
f)	50 mm dia.	Each	1,120.00	1,134.75	1,339.00	1,339.00		
						A-29		

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g)	65 mm dia.	Each	2,348.00	2,356.79	2,781.00	2,781.00 A-29		

343	Gun Metal ferrules							
a)	15 mm dia.	Each	345.00	298.31	352.00	352.00 A-29	476.00 A-29	
b)	20 mm dia.	Each	555.00	481.36	568.00	568.00 A-29	731.00 A-29	
c)	25 mm dia.	Each	960.00	721.19	851.00	851.00 A-29	1,272.00 A-29	
d)	32 mm dia.	Each	1,420.00	1,317.80	1,555.00	1,555.00 A-29	1,908.00 A-29	
e)	40 mm dia.	Each	2,325.00	1,803.39	2,128.00	2,128.00 A-29	2,650.00 A-29	
f)	50 mm dia.	Each	3,900.00	2,866.11	3,382.00	3,382.00 A-29	4,028.00 A-29	
344	Spouts-25 mm dia. - 'B' Class GI pipe - 450 mm long	Each	25.00	29.66	35.00	35.00 A-29	41.00 A-29	
345	Chromium plated brass push taps (bib tap)							
a)	10 mm dia.	Each	170.00	165.25	195.00	195.00 A-29	270.00 A-29	
b)	15 mm dia.	Each	210.00	192.37	227.00	227.00 A-29	323.00 A-29	
346	Polythene bib taps							
a)	15 mm dia.	Each	28.00	26.27	31.00	31.00 A-29	38.00 A-29	
b)	20 mm dia.	Each	40.00	44.92	53.00	53.00 A-30	55.00 A-30	
347	C.I. Lift-up waste preventive bib taps							
a)	15 mm dia.	Each	121.00	116.18	137.09			

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b)	20 mm dia.	Each	169.00	162.27	191.48	Previous Material rate increased by 13.30% - As approved by CE		
						Previous Material rate increased by 13.30% - As approved by CE		

348	Chromium plated brass shower rose							
a)	125 mm dia.	Each	350.00	312.71	369.00	405.00 A-30	369.00 A-30	
b)	150 mm dia.	Each	410.00	336.44	397.00	417.00 A-30	397.00 A-30	
349	Gun metal foot valves with brass strainer screwed end							
a)	25 mm dia.	Each	485.00	322.88	381.00	381.00 A-30	437.00 A-30	
b)	32 mm dia.	Each	550.00	450.00	531.00	531.00 A-30	670.00 A-30	
c)	40 mm dia.	Each	1,012.00	560.17	661.00	661.00 A-30	969.00 A-30	
d)	50 mm dia.	Each	1,160.00	817.80	965.00	965.00 A-30	1,124.00 A-30	
e)	65 mm dia.	Each	1,624.00	1,434.75	1,693.00	1,693.00 A-30	2,253.00 A-30	
f)	80 mm dia.	Each	2,059.00	2,443.23	2,883.00	2,883.00 A-30		
350	C.I. foot valves with flanged ends heavy metallic							
a)	80 mm dia.	Each	3,864.00	3,710.11	4,377.91	Previous Material rate increased by 13.30% - As approved by CE		
b)	100 mm dia.	Each	5,616.00	5,392.33	6,362.93	Previous Material rate increased by 13.30% - As approved by CE		
351	Gun metal globe type hydrant 65 mm nominal bore outlet	Each	5,071.00	4,869.03	5,745.44	Previous Material rate increased by 13.30% - As approved by CE		
352	Dial pressure gauge (0-14 Kgs./Sq.cm)							

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
a)	100 mm dia.	Each	304.00	240.68	284.00	284.00 A-31		
b)	150 mm dia.	Each	439.00	405.09	478.00	478.00 A-31		
c)	250 mm dia.	Each	1,687.00	1,154.24	1,362.00	1,362.00 A-31		
353	C.I. Road box	Each	2,387.00	2,291.93	2,704.47	Previous Material rate increased by 13.30% - As approved by CE		
354	Surface box	Each	898.00	862.23	1,017.43	Previous Material rate increased by 13.30% - As approved by CE		
355	C.I. screwed flanges heavy							
a)	25 mm dia.	Each	134.00	80.51	95.00	95.00 A-31	120.00 A-31	
b)	32 mm dia.	Each	175.00	89.83	106.00	106.00 A-31	132.00 A-31	
c)	40 mm dia.	Each	216.00	112.71	133.00	133.00 A-31	150.00 A-31	
d)	50 mm dia.	Each	337.00	144.07	170.00	170.00 A-31	182.00 A-31	
e)	65 mm dia.	Each	371.00	161.86	191.00	191.00 A-31	212.00 A-31	
f)	80 mm dia.	Each	404.00	197.46	233.00	233.00 A-31	248.00 A-31	
g)	100 mm dia.	Each	473.00	260.17	307.00	307.00 A-31	330.00 A-31	
356	Chromium plated brass shower rose with ball and socket joints							
a)	125 mm dia.	Each	585.00	350.85	414.00	414.00 A-32	437.00 A-32	
b)	150 mm dia.	Each	695.00	432.20	510.00	510.00 A-32	530.00 A-32	
357	Gun metal non-return valves (ISI marked), (Horizontal valves)							
a)	15 mm dia.	Each	231.00	233.05	275.00	275.00	436.00	

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
b)	20 mm dia.	Each	369.00	372.88	440.00	A-32 440.00	A-32 692.00	
c)	25 mm dia.	Each	557.00	563.56	665.00	A-32 665.00	A-32 1,063.00	
d)	32 mm dia.	Each	682.00	740.68	874.00	A-32 874.00	A-32 1,741.00	
e)	40 mm dia.	Each	1,150.00	1,192.38	1,407.00	A-32 1,407.00	A-32 2,321.00	
f)	50 mm dia.	Each	1,575.00	1,587.29	1,873.00	A-32 1,873.00	A-32 3,740.00	
g)	65 mm dia.	Each	3,685.00	3,477.13	4,103.00	A-32 4,103.00	A-32 6,583.00	
358	Chromium plated brass stop cock - 15 mm dia.	Each	205.00	144.07	170.00	A-32 170.00	A-32 267.00	
359	Chromium plated push type flush valve							
a)	25 mm dia.	Each	525.00	1,298.31	1,532.00	A-32 1,532.00	A-32 2,554.00	
b)	32 mm dia.	Each	1,510.00	1,587.29	1,873.00	A-32 1,873.00	A-32 2,838.00	
360	Vent pipe/ over-flow pipe							
a)	15 mm dia.	Each	34.00	30.51	36.00	A-33 36.00	A-33 43.00	
b)	20 mm dia.	Each	54.00	41.53	49.00	A-33 49.00	A-33 54.00	
c)	25 mm dia.	Each	108.00	61.86	73.00	A-33 73.00	A-33 79.00	
d)	32 mm dia.	Each	169.00	102.54	121.00	A-33 121.00	A-33 127.00	
e)	40 mm dia.	Each	270.00	122.88	145.00	A-33 145.00	A-33 159.00	
f)	50 mm dia.	Each	304.00	222.03	262.00	A-33 262.00	A-33 272.00	
g)	65 mm dia.	Each	524.00	389.83	460.00	A-33 460.00	A-33 465.00	

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
						A-33	A-33	

361	GI pipe bends							
a)	15 mm dia.	Each	28.00	16.10	19.00	19.00 A-33	40.00 A-33	
b)	20 mm dia.	Each	43.00	19.49	23.00	23.00 A-33	51.00 A-33	
c)	25 mm dia.	Each	58.00	29.66	35.00	35.00 A-33	74.00 A-33	
d)	32 mm dia.	Each	101.00	54.24	64.00	64.00 A-33	119.00 A-33	
e)	40 mm dia.	Each	126.00	64.41	76.00	76.00 A-33	148.00 A-33	
f)	50 mm dia.	Each	193.00	107.63	127.00	127.00 A-33	254.00 A-33	
g)	65 mm dia.	Each	348.00	197.46	233.00	233.00 A-33	435.00 A-33	
362	Brass mosquito-proof coupling							
a)	15 mm dia.	Each	51.00	75.42	89.00	89.00 A-33	108.00 A-33	
b)	20 mm dia.	Each	56.00	166.10	196.00	196.00 A-34	204.00 A-34	
c)	25 mm dia.	Each	60.00	250.00	295.00	295.00 A-34	318.00 A-34	
d)	32 mm dia.	Each	135.00	337.29	398.00	398.00 A-34	431.00 A-34	
e)	40 mm dia.	Each	169.00	422.88	499.00	499.00 A-34	545.00 A-34	
f)	50 mm dia.	Each	225.00	505.09	596.00	596.00 A-34	624.00 A-34	
g)	65 mm dia.	Each	331.00	841.53	993.00	993.00	1,090.00	

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
363	CI over-flow pipe					A-34	A-34	
a)	80 mm dia.	Each	1,505.00	2,398.31	2,830.00	2,830.00 A-34	2,950.00 A-34	
b)	100 mm dia.	Each	1,960.00	2,610.18	3,080.00	3,100.00 A-34	3,080.00 A-34	
c)	150 mm dia.	Each	2,484.00	3,093.23	3,650.00	3,650.00 A-34	3,800.00 A-34	
364	m.s. flanges							
a)	80 mm dia.	Each	192.00	364.41	430.00	430.00 A-34	485.00 A-34	
b)	100 mm dia.	Each	263.00	440.68	520.00	540.00 A-34	520.00 A-34	
c)	150 mm dia.	Each	490.00	652.54	770.00	770.00 A-34	790.00 A-34	
365	Bolts & Nuts							
a)	16 mm dia., 60 mm long	Each	23.00	32.20	38.00	38.00 A-34	42.00 A-34	
b)	20 mm dia., 65 mm long	Each	50.00	57.63	68.00	68.00 A-34	70.00 A-34	
c)	20 mm dia., 70 mm long	Each	60.00	69.49	82.00	85.00 A-35	82.00 A-35	
d)	20 mm dia., 75 mm long	Each	70.00	76.27	90.00	90.00 A-35	92.00 A-35	
e)	20 mm dia., 80 mm long	Each	75.00	83.05	98.00	98.00 A-35	104.00 A-35	
f)	24 mm dia., 85 mm long	Each	83.00	93.22	110.00	110.00 A-35	114.00 A-35	
366	Rubber insertion	Each	28.00	33.90	40.00	40.00 A-35	42.00 A-35	
367	Sliding bolts - Aluminium	Each	58.00	52.54	62.00	62.00 A-35	70.00 A-35	
368	Pillar tap - 15mm dia.	Each	315.00	346.61	409.00	415.00	409.00	

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
369	Brass chromium plated bib tap - 15mm dia.	Each	190.00	273.73	323.00	A-35 360.00	A-35 323.00	
370	CP waste coupling with PVC pipe	Each	110.00	177.97	210.00	A-35 210.00	A-35 230.00	
371	UPVC /ASTM pipe							
a)	3" (80 mm) dia.	Mtr.	446.00	627.12	740.00	A-35 758.00	A-35 740.00	
b)	2.5" (65 mm) dia.	Mtr.	315.00	527.12	622.00	A-35 622.00	A-35 630.00	
c)	1.5" (40 mm) dia.	Mtr.	131.00	213.56	252.00	A-35 252.00	A-35 262.00	
d)	1.25" (32 mm) dia.	Mtr.	---	195.76	231.00	A-35 231.00	A-35 237.00	
e)	1" (25 mm) dia.	Mtr.	---	154.24	182.00	A-35 182.00	A-35 193.00	
f)	0.75" (20 mm) dia.	Mtr.	---	127.12	150.00	A-35 150.00	A-35 153.00	
SECTION - XVIII								
<u>C.I. WATER MAINS WORK - FITTINGS</u>								
372	C.I. pipe - Class LA							
a)	80 mm dia.	Mtr.	1,018.00	853.39	1,007.00	A-38 1,007.00		
b)	100 mm dia.	Mtr.	1,207.00	1,010.17	1,192.00	A-38 1,192.00		
c)	125 mm dia.	Mtr.	1,576.00	1,513.23	1,785.61			
d)	150 mm dia.	Mtr.	1,953.00	1,634.75	1,929.00	A-38 1,929.00		
e)	200 mm dia.	Mtr.	2,940.00	2,290.68	2,703.00	A-38 2,703.00		
f)	250 mm dia.	Mtr.	3,964.00	3,233.91	3,816.00	A-38 3,816.00		

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
g)	300 mm dia.	Mtr.	5,119.00	4,042.38	4,770.00	4,770.00 A-38		
h)	350 mm dia.	Mtr.	6,442.00	5,659.34	6,678.00	6,678.00 A-38		
i)	400 mm dia.	Mtr.	7,838.00	6,916.97	8,162.00	8,162.00 A-38		
j)	450 mm dia.	Mtr.	9,450.00	8,219.51	9,699.00	9,699.00 A-38		
373	C.I. pipe - Class B, Flanged							
a)	80 mm dia.	Mtr.	1,684.00	4,233.06	4,995.00	4,995.00 A-38		
b)	100 mm dia.	Mtr.	2,111.00	5,394.08	6,365.00	6,365.00 A-38		
c)	150 mm dia.	Mtr.	3,421.00	8,739.01	10,312.00	10,312.00 A-38		
d)	200 mm dia.	Mtr.	4,918.00	12,935.63	15,264.00	15,264.00 A-38		
e)	250 mm dia.	Mtr.	6,655.00	17,606.83	20,776.00	20,776.00 A-39		
f)	300 mm dia.	Mtr.	8,606.00	23,176.34	27,348.00	27,348.00 A-39		
374	C.I. specials							
a)	Flanged upto 300 mm dia.	qntl.	6,615.00	5,749.17	6,784.00	6,784.00 A-39		
b)	Socket end upto 300 mm dia.	qntl.	6,300.00	5,569.51	6,572.00	6,572.00 A-39		
375	Spun yarn	Kg.	71.00	94.07	111.00	111.00 A-39		
376	Fuel wood	qntl.	1,242.00	720.34	850.00	850.00 A-39		
377	Kerosene oil	Lit.	57.29	53.28	62.87	110.00 A-62	62.87 A-62	
378	Lead	Kg.	160.00	175.42	207.00	207.00 A-39		

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
379	Rubber gasket - 3 mm thick	Each	74.00	77.12	91.00	91.00 A-39		

380	Sluice valve with cap							
a)	80 mm dia.	Each	3,881.00	3,144.08	3,710.00	3,710.00 A-39		
b)	100 mm dia.	Each	5,344.00	4,132.21	4,876.00	4,876.00 A-39		
c)	125 mm dia.	Each	6,480.00	6,221.92	7,341.84	Previous Material rate increased by 13.30% - As approved by CE		
d)	150 mm dia.	Each	7,987.00	6,467.81	7,632.00	7,632.00 A-39		
e)	200 mm dia.	Each	14,062.00	11,588.17	13,674.00	13,674.00 A-39		
f)	250 mm dia.	Each	20,238.00	16,079.71	18,974.00	18,974.00 A-40		
g)	300 mm dia.	Each	25,425.00	21,110.23	24,910.00	24,910.00 A-40		
381	Sluice valve with gear wheel							
a)	300 mm dia.	Each	34,776.00	33,390.95	39,401.21	Previous Material rate increased by 13.30% - As approved by CE		
b)	350 mm dia.	Each	49,210.00	47,250.07	55,754.93	Previous Material rate increased by 13.30% - As approved by CE		
c)	400 mm dia.	Each	63,790.00	61,249.38	72,274.07	Previous Material rate increased by 13.30% - As approved by CE		
d)	450 mm dia.	Each	80,190.00	76,996.21	90,855.27	Previous Material rate increased by 13.30% - As approved by CE		
382	C.I. Non-return reflux valve							
a)	80 mm dia.	Each	3,600.00	3,054.25	3,604.00	3,604.00 A-40		
b)	100 mm dia.	Each	4,950.00	4,222.05	4,982.00	4,982.00 A-40		

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
c)	150 mm dia.	Each	8,044.00	6,557.65	7,738.00	7,738.00 A-40		
d)	200 mm dia.	Each	15,187.00	11,633.08	13,727.00	13,727.00 A-40		
e)	250 mm dia.	Each	22,840.00	18,145.81	21,412.00	21,412.00 A-40		
f)	300 mm dia.	Each	29,420.00	23,266.17	27,454.00	27,454.00 A-40		
g)	350 mm dia.	Each	51,975.00	41,771.30	49,290.00	49,290.00 A-40		
h)	450 mm dia.	Each	74,137.00	58,569.66	69,112.00	69,112.00 A-40		
383	Stand post hydrant - 63 mm dia.	Each	21,937.00	11,228.85	13,250.00	13,250.00 A-41		
384	CI cap for riser with threads & CI threaded outlet	Each	6,210.00	5,962.67	7,035.93	Previous Material rate increased by 13.30% - As approved by CE		
385	Domestic water meter							
a)	15 mm dia.	Each	1,370.00	1,167.80	1,378.00	1,378.00 A-41		
b)	20 mm dia.	Each	2,194.00	1,904.24	2,247.00	2,247.00 A-41		
c)	25 mm dia.	Each	3,442.00	2,964.42	3,498.00	3,498.00 A-41		
d)	40 mm dia.	Each	7,930.00	7,141.55	8,427.00	8,427.00 A-41		
e)	50 mm dia.	Each	10,600.00	9,252.57	10,918.00	10,918.00 A-41		
f)	80 mm dia.	Each	11,925.00	10,061.05	11,872.00	11,872.00 A-41		
g)	100 mm dia.	Each	16,310.00	13,654.28	16,112.00	16,112.00 A-41		
h)	150 mm dia.	Each	21,380.00	17,966.15	21,200.00	21,200.00 A-41		
i)	200 mm dia.	Each	27,000.00	24,528.03	28,943.00	28,943.00 A-41		

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
j)	250 mm dia.	Each	45,000.00	39,917.91	47,103.00	47,103.00 A-41		
k)	300 mm dia.	Each	78,750.00	67,330.70	79,450.00	79,450.00 A-41		
386	C.I. Strainer							
a)	15 mm dia.	Each	152.00	206.78	244.00	244.00 A-41		
b)	20 mm dia.	Each	230.00	230.51	272.00	272.00 A-42		
c)	25 mm dia.	Each	422.00	294.92	348.00	348.00 A-42		
d)	32 mm dia.	Each	574.00	413.56	488.00	488.00 A-42		
e)	40 mm dia.	Each	514.00	413.56	488.00	488.00 A-42		
f)	50 mm dia.	Each	751.00	668.65	789.00	789.00 A-42		
g)	80 mm dia.	Each	2,756.00	2,356.79	2,781.00	2,781.00 A-42		
h)	100 mm dia.	Each	4,106.00	3,511.03	4,143.00	4,143.00 A-42		
i)	150 mm dia.	Each	6,862.00	5,867.81	6,924.00	6,924.00 A-42		
j)	200 mm dia.	Each	12,375.00	10,580.54	12,485.00	12,485.00 A-42		
k)	250 mm dia.	Each	20,812.00	17,794.97	20,998.00	20,998.00 A-42		
l)	300 mm dia.	Each	26,440.00	22,604.30	26,673.00	26,673.00 A-42		
387	Ball valve/ Butterfly valve							
a)	80 mm dia.	Each	1,632.00	1,105.94	1,305.00	1,305.00 A-42		
b)	100 mm dia.	Each	1,987.00	1,298.31	1,532.00	1,532.00 A-42		

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
c)	150 mm dia.	Each	2,716.00	1,923.73	2,270.00	2,270.00 A-42		
d)	200 mm dia.	Each	5,012.00	3,606.79	4,256.00	4,256.00 A-42		
e)	250 mm dia.	Each	9,569.00	5,677.13	6,699.00	6,699.00 A-43		
f)	300 mm dia.	Each	11,299.00	8,561.04	10,102.00	10102 A-43		
388	m.s. circular flange & bolt - 150 mm dia.	Each	42.00	40.33	47.59			
						Previous Material rate increased by 13.30% - As approved by CE		
389	Chemical bolt - 24 mm dia., 290 mm long	Each	2,070.00	1,987.56	2,345.31			
						Previous Material rate increased by 13.30% - As approved by CE		
390	C.I. Flange							
a)	80 mm dia.	Each	390.00	374.47	441.87			
						Previous Material rate increased by 13.30% - As approved by CE		
b)	300 mm dia.	Each	2,496.00	2,396.59	2,827.97			
						Previous Material rate increased by 13.30% - As approved by CE		
391	Ductile Iron (D.I.) pipe, K-9 grade							
a)	100 mm dia.	Mtr.	1,028.00	1,068.65	1,261.00	1,261.00 A-43		
b)	150 mm dia.	Mtr.	1,523.00	1,500.00	1,770.00	1,770.00 A-43		
c)	200 mm dia.	Mtr.	1,693.00	1,954.24	2,306.00	2,306.00 A-43		
d)	250 mm dia.	Mtr.	2,548.00	2,627.97	3,101.00	3,101.00 A-43		
e)	300 mm dia.	Mtr.	3,207.00	3,323.74	3,922.00	3,922.00 A-43		
392	EPDM Push on gasket							
a)	for 100 mm dia. pipe	Each	35.00	41.53	49.00	49.00 A-43		
b)	for 150 mm dia. pipe	Each	55.00	61.86	73.00	73.00 A-44		

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
c)	for 200 mm dia. pipe	Each	68.00	81.36	96.00	96.00 A-44		
d)	for 250 mm dia. pipe	Each	85.00	121.19	143.00	143.00 A-44		
e)	for 300 mm dia. pipe	Each	101.00	148.31	175.00	175.00 A-44		
393	Steel scaffolding	Sq.M.	83.00	94.92	112.00	112.00 A-44	225.00 A-44	
394	Hack-saw blade	Each	425.00	432.20	510.00	510.00 A-44		
SECTION - XIX								
WATER STORAGE TANKS WORK								
395	m.s. plate sheet - 5 mm thick	qntl.	4,535.00	4,582.22	5,407.00	5,407.00 A-44		
396	Welding	qntl.	2,250.00	1,949.16	2,300.00	2,300.00 A-44	2,350.00 A-44	2,400.00 A-44
397	Drain plug	Each	83.00	79.69	94.04	Previous Material rate increased by 13.30% - As approved by CE		
398	Mastic bitumen paint	Sq.M.	42.00	40.33	47.59	Previous Material rate increased by 13.30% - As approved by CE		
399	Fabricated pressed steel tank with plates - 5 mm thick							
a)	1.25 X 1.25 X 1.25 Mtrs.	Each	48,300.00	46,376.32	54,723.90	Previous Material rate increased by 13.30% - As approved by CE		
b)	2.50 X 1.25 X 1.25 Mtrs.	Each	80,040.00	76,852.18	90,685.32	Previous Material rate increased by 13.30% - As approved by CE		
c)	2.50 X 2.50 X 1.25 Mtrs.	Each	121,440.00	116,603.31	137,591.52	Previous Material rate increased by 13.30% - As approved by CE		
d)	3.75 X 1.25 X 1.25 Mtrs.	Each	107,640.00	103,352.93	121,956.12	Previous Material rate increased by 13.30% - As approved by CE		
e)	3.75 X 2.50 X 1.25 Mtrs.	Each	151,800.00	145,754.14	171,989.40	Previous Material rate increased by 13.30% - As approved by CE		
400	Fabricated pressed steel plate 5 mm thick, 1.25 X 1.25 Mtrs.	Each	7,590.00	7,287.71	8,599.47	Previous Material rate increased by 13.30% - As approved by CE		

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
401	R.C.C. Hume pipe water tank							
a)	1438 litres capacity	Each	12,170.00	11,685.30	13,788.61			
					Previous Material rate increased by 13.30% - As approved by CE			
b)	2161 litres capacity	Each	16,820.00	16,150.10	19,057.06			
					Previous Material rate increased by 13.30% - As approved by CE			
c)	2575 litres capacity	Each	23,508.00	22,571.73	26,634.56			
					Previous Material rate increased by 13.30% - As approved by CE			
d)	4100 litres capacity	Each	27,204.00	26,120.52	30,822.13			
					Previous Material rate increased by 13.30% - As approved by CE			
e)	4660 litres capacity	Each	33,882.00	32,532.55	38,388.31			
					Previous Material rate increased by 13.30% - As approved by CE			
f)	5100 litres capacity	Each	45,000.00	43,207.75	50,985.00			
					Previous Material rate increased by 13.30% - As approved by CE			
402	m.s./CI cover with locking arrangement							
a)	475 mm dia.	Each	1,283.00	1,271.19	1,500.00	1,500.00		
						A-45		
b)	525 mm dia.	Each	1,768.00	1,610.17	1,900.00	1,900.00		
						A-45		
c)	600 mm dia.	Each	2,485.00	2,203.40	2,600.00	2,600.00		
						A-45		
403	m.s. circular flange & bolt - 150 mm dia.	Each	48.00	61.02	72.00	72.00		
						A-45		
404	C.I. cover 500 mm dia. for water tank	Each	725.00	889.83	1,050.00	1,050.00		
						A-45		
405	HDPE overhead water tank	Litre	8.00	7.63	9.00	9.00	9.50	
						A-45	A-45	
406	P.V.C mosquito-proof coupling							
a)	40 mm dia.	Each	14.00	16.95	20.00	20.00	24.00	
						A-46	A-46	
b)	50 mm dia.	Each	17.00	37.29	44.00	48.00	44.00	
						A-46	A-46	
407	C.I. frame for overhead tank cover							

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
a)	475 mm dia. (40% cost of Item No.402(a))	Each	513.00	508.48	600.00			
b)	525 mm dia. (40% cost of Item No.402(b))	Each	707.00	644.07	760.00			
c)	600 mm dia. (40% cost of Item No.402(c))	Each	994.00	881.36	1,040.00			
408	C.I. cover for water storage tank							
a)	475 mm dia. (75% cost of Item No.402(a))	Each	962.00	953.39	1,125.00			
b)	525 mm dia. (75% cost of Item No.402(b))	Each	1,326.00	1,207.63	1,425.00			
c)	600 mm dia. (75% cost of Item No.402(c))	Each	1,864.00	1,652.55	1,950.00			
409	Hoisting charges	qntl.	552.00	593.22	700.00	700.00		
SECTION - XX								
<u>DRAINAGE WORK</u>								
410	Glazed stoneware pipe 600mm long 'A' grade							
a)	100 mm dia.	Each	76.00	94.07	111.00	111.00		
b)	150 mm dia.	Each	110.00	141.53	167.00	167.00		
c)	200 mm dia.	Each	194.00	283.05	334.00	334.00		
d)	230 mm dia.	Each	242.00	318.64	376.00	376.00		
e)	300 mm dia.	Each	552.00	611.02	721.00	721.00		
411	Spun yarn/ plain gasket	Kg.	71.00	80.51	95.00	95.00		
412	Stone ware 'S' or 'P' type gulley trap							
a)	Size: 150 X 150 mm with 100 mm outlet	Each	146.00	170.34	201.00	201.00	201.00	

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
b)	Size: 225 X 225 mm with 150 mm outlet	Each	550.00	466.95	551.00	A-47 551.00	A-47 588.00	
413	C.I. cover & frame - 228.6 X 304.8 mm	Each	180.00	172.83	203.94	A-47	A-47	
Previous Material rate increased by 13.30% - As approved by CE								
414	C.I. grating	Each	184.00	179.66	212.00	220.00 A-47	212.00 A-47	
415	PVC grating	Each	92.00	84.75	100.00	100.00 A-47	104.00 A-47	
416	Stoneware glazed bend							
a)	100 mm dia.	Each	68.00	112.71	133.00	138.00 A-47	133.00 A-47	
b)	150 mm dia.	Each	150.00	170.34	201.00	201.00 A-47	218.00 A-47	
417	Intercepting sewer trap							
a)	150 mm dia.	Each	209.00	394.92	466.00	466.00 A-47	488.00 A-47	
b)	230 mm dia.	Each	1,450.00	1,450.85	1,712.00	1,749.00 A-47	1,712.00 A-47	
418	RCC NP-2 class pipe with collars							
a)	100 mm dia.	Mtr.	156.00	157.63	186.00	365.00 A-47	186.00 A-47	318.00 A-47
b)	150 mm dia.	Mtr.	226.00	212.71	251.00	437.00 A-47	251.00 A-47	371.00 A-47
c)	250 mm dia.	Mtr.	404.00	366.10	432.00	636.00 A-47	432.00 A-47	541.00 A-47
d)	300 mm dia.	Mtr.	531.00	661.02	780.00	914.00 A-47	1,333.00 A-47	780.00 A-47
e)	450 mm dia.	Mtr.	1,026.00	1,724.58	2,035.00	2,374.00 A-48		2,035.00 A-48
419	C.I. steps	Each	416.00	459.32	542.00	542.00 A-48		
421	C.I. Diaphragm							

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
a)	450 X 450 mm	Each	346.00	440.68	520.00	520.00 A-48		
b)	900 X 450 mm	Each	552.00	669.49	790.00	790.00 A-48		
421A	RCC NP-3 class pipe with collars							
a)	100 mm dia.	Mtr.	199.00	191.07	225.47 Previous Material rate increased by 13.30% - As approved by CE			
b)	150 mm dia.	Mtr.	270.00	259.25	305.91 Previous Material rate increased by 13.30% - As approved by CE			
c)	250 mm dia.	Mtr.	680.00	652.92	770.44 Previous Material rate increased by 13.30% - As approved by CE			
d)	300 mm dia.	Mtr.	920.00	1,318.65	1,556.00 A-48	1,556.00 A-48		1,855.00 A-48
e)	450 mm dia.	Mtr.	1,700.00	2,012.72	2,375.00	2,926.00 A-48		2,375.00 A-48
422	C.I. cover & frame - 900 X 450 mm							
a)	Medium duty - 100 Kgs.	Each	6,265.00	7,849.17	9,262.00	9,262.00 A-48		
b)	Light duty - 50 Kgs.	Each	3,298.00	4,131.37	4,875.00	4,875.00 A-48		
423	Pre-cast RCC (1:1.5:3) rectangular cover & frame 900 X 450 mm size with iron angle nosing							
a)	75 mm thick	Each	1,036.00	2,669.50	3,150.00	3,150.00 A-48		
b)	100 mm thick	Each	1,297.00	4,481.37	5,288.00	5,288.00 A-48		
424	Fibre reinforced rectangular frame & cover 900 X 450 mm size, 90-100 mm thick - 20 MT load bearing capacity	Each	4,140.00	3,022.04	3,566.00		5,288.00 A-48	3,566.00 A-48
425	Heavy duty, pre-cast RCC fibre reinforced concrete circular man-hole cover & frame clear opening - 540 mm - 35 MT load bearing capacity	Each	3,060.00	3,813.57	4,500.00		4,500.00 A-48	

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				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
426	RCC fibre reinforced water gulley frame & cover 450 X 450 mm opening size, 15 MT capacity	Each	1,380.00	2,050.01	2,419.00		2,419.00 A-48	2,869.00 A-48
427	RCC fibre reinforced water gulley frame & cover 900 X 450 mm opening size, 15 MT capacity	Each	1,932.00	2,622.04	3,094.00		3,094.00 A-49	
428	C.I. circular cover & frame - 500 mm dia.							
a)	Medium duty - 116 Kgs.	Each	7,792.00	9,110.20	10,750.00	10,750.00 A-49		
b)	Heavy duty - 229 Kgs.	Each	14,445.00	18,095.81	21,353.00	21,353.00 A-49		
429	C.I. rungs for man-holes - 5.1 Kgs. Each	Each	429.00	503.39	594.00	594.00 A-49		
430	RCC rectangular grating 150 mm X 300 mm X 25 mm thick	Each	70.00	67.21	79.31			
431	A.C. vent pipe - 100 mm dia.	Mtr.	48.00	46.09	54.38			
432	C.I. soil pipe - 150 mm dia.	Mtr.	1,300.00	1,593.22	1,880.00	1,880.00 A-49		
433	RCC pre-cast water gully cover - 100 mm thick							
a)	450 x 450 mm	Each	3,773.00	3,622.73	4,274.81			
b)	900 x 450 mm	Each	7,546.00	7,245.46	8,549.62			
434	C.I. frame & cover - 600 x 600 mm - 100 Kgs.	Each	7,997.00	9,350.87	11,034.00	11,034.00 A-49		
435	C.I. Pipe - 150 mm dia. - 2.74 Mtrs. long	Each	3,562.00	4,623.74	5,456.00	5,456.00 A-49		
436	C.I. Bend - 150 mm dia.	Each	857.00	975.43	1,151.00	1,151.00 A-49		
437	C.I. Cover and lid	Each	414.00	505.93	597.00	597.00 A-49		

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
437A	FRP/ GRP/ COMPOSITE resin Water gully frame & cover							
a)	size: 450 X 450 mm - 20 T capacity	Each	---	5,424.93	6,401.40	6,468.00 A-64	6,401.40 A-64	8,845.60 A-64
b)	size: 450 X 450 mm - 40 T capacity	Each	---	7,382.33	8,711.12	11,316.00 A-64	8,711.12 A-64	
c)	size: 600 X 600 mm - 20 T capacity	Each	---	9,969.75	11,764.27	15,344.00 A-64	11,764.27 A-64	
d)	size: 600 X 600 mm - 40 T capacity	Each	---	11,330.79	13,370.30	21,490.00 A-64	13,370.30 A-64	
437B	FRP/ GRP/ COMPOSITE resin circular man-hole frame & cover 600 mm clear opening							
a)	20 T capacity	Each	---	5,049.80	5,958.75	9,323.00 A-64	5,958.75 A-64	6,521.71 A-64
b)	40 T capacity	Each	---	6,808.86	8,034.43	11,441.00 A-64	9,568.05 A-64	8,034.43 A-64
437C	FRP/ GRP/ COMPOSITE resin Inspection chamber frame & cover - Size: 900 X 450 mm	Each	---	5,542.52	6,540.15	---	6,540.15 A-64	
SECTION - XXI MISCELLANEOUS WORK								
438	Dry stone rubble	Cu.M.	636.00	538.98	636.00	636.00 A-7 & A-50	650.00 A-7 & A-50	
439	Stone dust	Cu.M.	1,210.00	1,197.46	1,413.00	1,413.00 A-8 & A-50	1,450.00 A-8 & A-50	
440	Plastic coated brass wire - 3 mm thick	Mtr.	6.00	5.93	7.00	7.00 A-50		
441	G.I. barbed wire (IS:278 – 1962 Type-I) 100 mm points, strands at 150 mm pitch	Kg.	66.00	50.85	60.00	72.00 A-50	60.00 A-50	
442	Iron hook	Each	2.00	8.47	10.00	10.00 A-50		
443	Venetian blinds - Aluminium - Horizontal blinds	Sq.M.	625.00	1,001.70	1,182.00	1,182.00 A-50		

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444	Anodised aluminium grills	Sq.M.	860.00	724.58	855.00	1,038.00 A-50	855.00 A-50	1,100.00 A-50
445	Aluminium 'T' section - 38 X 38 mm, 1.5 mm thick	Mtr.	58.00	65.25	77.00	80.00 A-50	77.00 A-50	90.00 A-50
446	Acoustic tile - 600 X 600 mm (Jolly Board)	Each	130.00	250.00	295.00	295.00 A-50		
447	Glass wool - 50 mm thick	Sq.M.	28.00	29.66	35.00	35.00 A-50		
448	'J' Bolts	Each	6.00	8.47	10.00	10.00 A-50		
449	Anodised aluminium sections	Kg.	220.00	188.98	223.00	239.00 A-50	223.00 A-50	250.00 A-50
449A	Extra for colour anadizing	Kg.		63.56	75.00	85.00 A-50	75.00 A-50	90.00 A-50
450	PVC sheet							
a)	2 mm thick	Sq.M.	511.00	519.49	613.00	613.00 A-50		
b)	3 mm thick	Sq.M.	607.00	633.05	747.00	747.00 A-50		
c)	5 mm thick	Sq.M.	856.00	877.97	1,036.00	1,036.00 A-50		
d)	5 mm thick - both sides pre-laminated	Sq.M.	1,152.00	1,250.00	1,475.00	1,475.00 A-50		
451	Solvent cement adhesive	Lit.	259.00	259.32	306.00	306.00 A-50		
452	GI screws - 16X6 mm	Each	4.00	5.08	6.00	6.00 A-51		
453	Transparent acrylic sheet - 6 mm thick	Sq.M.	---	889.83	1,050.00	1,050.00 A-51		
453A	Transparent acrylic sheet - 4 mm thick	Sq.M.	840.00	805.09	950.00	950.00 A-51		
454	Dongri cloth	Sq.M.	8.00	8.47	10.00	10.00 A-51		
455	Tar	Kg.	48.00	31.36	37.00	37.00 A-51		

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456	Sandtex matt	Lit.	206.00	245.76	290.00	290.00 A-51		
457	Apex paint	Lit.	220.00	194.92	230.00	250.00 A-51	230.00 A-51	
458	Touch wood	Lit.	225.00	186.44	220.00	220.00 A-51	220.00 A-51	
459	G.I. chain link							
a)	50 X 50 mm opening - 10 gauge	Sq.M.	178.00	126.27	149.00	149.00 A-51	160.00 A-51	
b)	25 X 25 mm opening - 10 gauge	Sq.M.	360.00	330.51	390.00	398.00 A-51	390.00 A-51	
460	Extruded aluminium sections for doors, windows and partitions	Kg.	206.00	188.98	223.00	239.00 A-51	223.00 A-51	250.00 A-51
461	Hydraulic Door closure	Each	825.00	932.21	1,100.00	1,100.00 A-51		
462	Mortice lock - 'Godrej' make	Each	600.00	720.34	850.00	850.00 A-51		
463	Aluminium hinges - 125 mm	Each	34.00	55.08	65.00	65.00 A-51		
464	Rubber gasket	Mtr.	4.50	13.56	16.00	16.00 A-51		
465	Adhesive	Lit.	241.00	327.12	386.00	386.00 A-51		
466	Plain/ ground glass - 4 mm thick	Sq.M.	355.00	434.75	513.00	513.00 A-20 & A-52	546.00 A-20 & A-52	
467	Plain/ ground glass - 5 mm thick	Sq.M.	409.00	466.10	550.00	550.00 A-20 & A-52	572.00 A-20 & A-52	
468	Tinted glass - 5 mm thick	Sq.M.	517.00	522.88	617.00	617.00 A-20 & A-52	640.00 A-20 & A-52	
469	'Z' pins	Each	0.40	0.38	0.45	Previous Material rate increased by 13.30% - As approved by CE		
470	Particle board - 9-10 mm thick Lamination on both sides	Sq.M.	395.00	361.87	427.00	427.00 A-52		

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471	Hoisting charges	qntl.	552.00	530.02	625.42	Previous Material rate increased by 13.30% - As approved by CE		
472	Tar-felt	Sq.M.	60.00	67.80	80.00	80.00 A-52		
473	Transport of debris by lorries	Day	5,000.00	6,355.95	7,500.00	7,500.00 A-52		
474	Hire charges for Crane	Day	2,898.00	5,508.49	6,500.00	6,500.00 A-52		
475	Coal tar	Lit.	48.00	55.08	65.00	65.00 A-52		
476	Concertina coil G.I. - 610 mm dia.	Mtr.	159.00	150.00	177.00	177.00 A-52	203.00 A-52	
477	G.I. mesh	Sq.M.	800.00	720.34	850.00	850.00 A-52		
478	Hire charges chain, pulling wire & gas cutter	Day	650.00	624.11	736.45	Previous Material rate increased by 13.30% - As approved by CE		
479	RCC post - Size: 0.105 X 0.095 X 2.15 Mtrs.	Each	312.00	299.57	353.50	Previous Material rate increased by 13.30% - As approved by CE		
480	Polyalk WP	Kg.	256.00	245.76	290.00	325.00 A-52 & A-58	300.00 A-52 & A-58	290.00 A-52 & A-58
481	Drilling holes in stone - upto 300 mm depth							
a)	30 - 32 mm dia.	Each	300.00	347.46	410.00	410.00 A-52	430.00 A-52	
b)	63 - 65 mm dia.	Each	600.00	694.92	820.00	820.00 A-52	860.00 A-52	
c)	118 - 120 mm dia.	Each	3,000.00	2,966.11	3,500.00	3,500.00 A-52	3,800.00 A-52	
482	Stainless steel anchor bolt							
a)	25 mm dia.	Each	3,132.00	3,450.86	4,072.00	4,072.00 A-52	4,150.00 A-52	
b)	50 mm dia.	Each	7,692.00	8,473.75	9,999.00	9,999.00 A-52	10,200.00 A-52	
c)	100 mm dia.	Each	20,220.00	17,154.29	20,242.00	20,242.00 A-53	22,300.00 A-53	

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483	m.s. chain - hot dipped galvanized to min.85 microns							
a)	25 mm dia.	Mtr.	2,802.00	2,920.35	3,446.00	3,446.00 A-53	3,600.00 A-53	
b)	32 mm dia.	Mtr.	4,596.00	4,868.66	5,745.00	5,745.00 A-53	5,900.00 A-53	
c)	50 mm dia.	Mtr.	11,068.00	11,186.47	13,200.00	13,282.00 A-53	13,200.00 A-53	
484	'D' shackle - hot dipped galvanized to min.85 microns							
a)	20/25 mm dia.	Each	780.00	661.02	780.00	780.00 A-53	800.00 A-53	
b)	32/35 mm dia.	Each	1,049.00	974.58	1,150.00	1,150.00 A-53	1,200.00 A-53	
c)	50/56 mm dia.	Each	4,016.00	3,686.45	4,350.00	4,350.00 A-53	4,440.00 A-53	
485	Central Rod - 75 mm dia.	Each	8,400.00	8,262.74	9,750.00	9,800.00 A-53	9,750.00 A-53	
486	G.I. sheet - 20 guage	Sq.M.	612.00	637.29	752.00	752.00 A-53		
487	Bamboo for scaffolding	Each	90.00	93.22	110.00	110.00 A-53	118.00 A-53	
488	Coir rope	Kg.	54.00	84.75	100.00	100.00 A-53		
489	m.s. ring bolts - 170 mm long	Each	108.00	103.70	122.36	Previous Material rate increased by 13.30% - As approved by CE		
490	'Sintex' PVC Door	Sq.M.	1,389.00	1,915.26	2,260.00	2,375.00 A-53	2,260.00 A-53	
491	Hire charges for motor lorry - 3 to 5 Ton capacity	Day	5,000.00	5,932.22	7,000.00	7,000.00 A-53		
492	Hire charges for Tempo - 2 Ton capacity - Cover body	Day	2,400.00	4,661.03	5,500.00	5,500.00 A-53		
493	Hire charges for gas cutting set, cylinder, welding machine, working platform, tools	Day	4,000.00	5,084.76	6,000.00	6,000.00 A-53		
494	Hire charges for gas cutting set, cylinder, tools	Day	2,500.00	3,389.84	4,000.00	4,000.00 A-53		

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				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
495	White phenyl	Lit.	30.00	93.22	110.00	110.00 A-54		
496	Naphthalene balls	Kg.	180.00	296.61	350.00	350.00 A-54		
497	Toilet cleaning powder	Kg.	45.00	84.75	100.00	100.00 A-54		
498	M-seal	Kg.	349.00	275.42	325.00	325.00 A-54	355.00 A-54	
499	Black M-seal	Kg.	223.00	190.68	225.00	225.00 A-54	255.00 A-54	
500	White M-seal	Kg.	244.00	199.15	235.00	235.00 A-54	320.00 A-54	
501	Polyfill - AR	Kg.	173.00	190.68	225.00	230.00 A-54	225.00 A-54	
502	Polyabres	Kg.	23.00	22.88	27.00	27.00 A-54		
503	Duckback-S	Lit.	252.00	241.96	285.52	Previous Material rate increased by 13.30% - As approved by CE		
504	Dr.Fixit Raincoat	Lit.	364.00	254.24	300.00	400.00 A-54	300.00 A-54	
505	Dr.Fixit torch shield rolls	Sq.M.	240.00	230.44	271.92	Previous Material rate increased by 13.30% - As approved by CE		
506	Suncoat	Lit.	270.00	245.76	290.00	290.00 A-54		
507	Dr.Fixit Newcoat	Lit.	320.00	296.61	350.00	375.00 A-54	350.00 A-54	
508	Primeseal (Primer)	Lit.	214.00	179.66	212.00	270.00 A-54	212.00 A-54	
509	CR 80 grade rail	qntl.	4,526.00	4,345.74	5,127.96	Previous Material rate increased by 13.30% - As approved by CE		
509A	Backlite - 5 to 6 mm thick	Sq.M.	---	413.56	488.00	488.00	M/s.Ambica Laminates Mob: 9930409020	
509B	Stainless steel kitchen sink - 650 X 450 mm	Each	---	1,610.17	1,900.00	1,900.00	M/s.Rajesh Hardware Mart Tel:022-24121542	
SECTION - XXII								
RESTORATIVE REPAIRS WORK								

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
510	Aluminium sheet - 24 gauge	Sq.M.	395.00	398.31	470.00	485.00 A-55	470.00 A-55	490.00 A-55
511	Chicken mesh jalli	Sq.M.	15.00	14.41	17.00	17.00 A-55	22.00 A-55	
512	Polyalk Fixoprime	Kg.	260.00	254.24	300.00	300.00 A-55	320.00 A-55	
513	Resin 505C	Kg.	348.00	334.14	394.28	Previous Material rate increased by 13.30% - As approved by CE		
514	Epoxy Resin 520	Kg.	401.00	385.03	454.33	Previous Material rate increased by 13.30% - As approved by CE		
515	Hardner EH411	Kg.	396.00	380.23	448.67	Previous Material rate increased by 13.30% - As approved by CE		
516	Sunepoxy 358 - Resin & Hardner	Kg.	348.00	343.22	405.00	430.00 A-55	420.00 A-55	405.00 A-55
517	Hack-aid plast (1 Lit.= 0.9 Kg.)	Lit.	170.00	199.15	235.00	240.00 A-55	235.00 A-55	240.00 A-55
518	Hack-aid plast	Kg.	153.00	152.54	180.00	180.00 A-55	211.00 A-55	220.00 A-55
519	Hack-aid plast - Special	Kg.	200.00	169.49	200.00	200.00 A-55		
520	Hardner EH408	Kg.	384.00	368.71	435.07	Previous Material rate increased by 13.30% - As approved by CE		
521	Polymer	Kg.	240.00	224.58	265.00	320.00 A-55	265.00 A-55	285.00 A-55
522	Bullies							
a)	80 mm dia.	Mtr.	26.00	59.32	70.00	70.00 A-2 & A-55	70.00 A-2 & A-55	
b)	100-105 mm dia.	Mtr.	38.00	76.27	90.00	90.00 A-2 & A-55	95.00 A-2 & A-55	
c)	125 mm dia.	Mtr.	46.00	93.22	110.00	110.00 A-2 & A-55	118.00 A-2 & A-55	
523	Shear connector bar – 12 mm dia. (incl. labour)	Kg.	48.00	46.09	54.38	Previous Material rate increased by 13.30% - As approved by CE		
524	Broken glass pieces	Kg.	7.00	6.72	7.93	Previous Material rate increased by 13.30% - As approved by CE		

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
525	Rusticide	Lit.	106.00	110.17	130.00	130.00 A-56	170.00 A-56	150.00 A-56
526	River sand	Cu.M.	1,760.00	1,689.90	1,994.08	Previous Material rate increased by 13.30% - As approved by CE		
527	Quartz sand	Kg.	6.00	5.93	7.00	8.00 A-56	7.00 A-56	
528	Shahabad/ Malkapur stone – 22 - 35 mm	Sq.M.	340.00	350.85	414.00	414.00 A-56	430.00 A-56	
529	Glass louvers - Glass strips - 100 X 600 mm	Sq.M.	380.00	451.70	533.00	533.00 A-56	540.00 A-56	
530	Aluminium sheets - 22 gauge	Sq.M.	460.00	457.63	540.00	552.00 A-56	560.00 A-56	540.00 A-56
531	Teak wood batten - 40 X 10 mm	Mtr.	24.00	22.88	27.00	29.00 A-56	27.00 A-56	
532	Polymer mortar	Kg.	28.00	24.58	29.00	Refer Rate Analysis Sheets-Mortars (Page:1314)		
533	Plasticizer (Polytancrete NGT-Sunanda)	Lit.	90.00	101.70	120.00	125.00 A-56	120.00 A-56	
534	Neeru	Kg.	5.00	6.78	8.00	8.00 A-56	10.00 A-56	
535	White powder	Kg.	9.00	10.17	12.00	12.00 A-56	15.00 A-56	
536	Brick bats	Cu.M.	1,800.00	1,864.41	2,200.00	2,200.00 A-7 & A-56	2,400.00 A-7 & A-56	
537	Polycoat SS/ TST	Lit.	300.00	220.34	260.00	300.00 A-56	275.00 A-56	260.00 A-56
538	Grout pipe	Each	5.25	10.55	12.45	13.65 A-56	12.45 A-56	
538A	Corrofeal - ZR	Lit.	---	466.10	550.00	550.00	M/s.Krishna Conchem Tel:022-27782923	
538B	Hessian cloth	Sq.M.	---	8.47	10.00	10.00	M/s.Vimal Traders Mob:9420364896	
BASIC RATES OF MORTAR (including labour)								
539	Lime mortar (1:2)	Cu.M.	4,630.00	6,138.00				

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				Approved	Minimum	Quotation No.1	Quotation No.2	Quotation No.3
540	Cement mortar (1:2)	Cu.M.	6,468.00	7,354.00				
541	Cement mortar (1:3)	Cu.M.	5,548.00	6,734.00				
542	Cement mortar (1:4)	Cu.M.	4,681.00	5,984.00				
543	Cement mortar (1:5)	Cu.M.	4,215.00	5,581.00				
544	Cement mortar (1:6)	Cu.M.	3,815.00	5,235.00				
545	Polymer mortar	Kg.	28.00	29.00				
546	Cement mortar (1:1)/ (1:1:1)	Cu.M.	8,312.00	8,602.00				
SECTION - XXIII PERMANENT WAY WORKS (RAILWAY ENGINEERING SECTION)								
547	52 Kgs. Rail	Mtr.	3,315.00	2,881.36	3,400.00	3,500.00 B-2	3,400.00 B-2	
548	Canted B/ plates for 52 Kgs. rails	Each	711.00	813.56	960.00	960.00 B-2		
549	Turnout I in 8 ½ for 52 Kgs. rail with all fittings set	Set	885,599.00	1,068,647.06	1,261,000.00	1,261,000.00 B-2	1,800,000.00 B-2	
550	Fish plate for 52 Kgs. rails	Pair	1,976.00	771.19	910.00	910.00 B-2	2,200.00 B-2	
551	Combination fish plate 90 R & 52 Kgs. rails	Pair	6,518.00	6,186.46	7,300.00	7,300.00 B-2	15,000.00 B-2	
552	Bolts 5" x 1" for 52 Kgs. rails	Each	43.00	69.49	82.00	82.00 B-2	125.00 B-2	
553	Bolts & nuts							
a)	5" X 1" (Weight = 0.5554 Kg.)	Each	43.00	69.49	82.00	82.00 B-2	125.00 B-2	
b)	7" X 1" (Weight = 0.7776 Kg.)	Each	60.00	84.75	100.00	100.00		

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
c)	8" X 1" (Weight = 0.8886 Kgs.)	Each	68.00	107.63	127.00	B-2 127.00		
d)	9" X 1" (Weight = 0.9997 Kgs.)	Each	77.00	122.88	145.00	B-2 145.00		
e)	10" X 1" (Weight = 1.1108 Kgs.)	Each	85.00	130.51	154.00	B-2 154.00		
f)	11" X 1" (Weight = 1.2219 Kgs.)	Each	94.00	138.14	163.00	B-2 163.00		
g)	12" X 1" (Weight = 1.3330 Kgs.)	Each	102.00	145.76	172.00	B-2 172.00		
h)	13" X 1" (Weight = 1.4440 Kgs.)	Each	111.00	153.39	181.00	B-2 181.00		
i)	14" X 1" (Weight = 1.5551 Kgs.)	Each	119.00	161.02	190.00	B-2 190.00		
j)	15" X 1" (Weight = 1.6662 Kgs.)	Each	128.00	176.27	208.00	B-3 208.00		
k)	16" X 1" (Weight = 1.7773 Kgs.)	Each	136.00	191.53	226.00	B-3 226.00		
l)	17" X 1" (Weight = 1.8883 Kgs.)	Each	145.00	206.78	244.00	B-3 244.00		
m)	20" X 1" (Weight = 2.2216 Kgs.)	Each	166.00	229.66	271.00	B-3 271.00		
554	Nuts & bolts - Square head - 4" X 4"	Each	83.00	77.12	91.00	B-3 91.00	100.00 B-3	
555	Washer square for 1" dia. bolts	Each	12.00	77.12	91.00	B-3 91.00		
556	Keys outer	Each	59.00	77.12	91.00	B-3 91.00		
557	Keys inner	Each	77.00	77.12	91.00	B-3 91.00		
558	Fish plate 52 Kgs. rails	Pair	1,976.00	1,838.99	2,170.00	B-3 2,170.00	2,200.00 B-3	
559	Elastic clips for 52 Kgs. rail	Each	68.00	50.85	60.00	B-3 60.00	75.00 B-3	
560	Grooved rubber pad for 52 Kgs. rails	Each	21.00	20.34	24.00	B-3 24.00	45.00 B-3	

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
561	Points & crossing with all fittings for 52 Kgs. rails	Each	885,599.00	1,068,647.06	1,261,000.00	1,261,000.00 B-3	1,800,000.00 B-3	
562	75R rails & 90R rails S/H	Mtr.	2,400.00	2,033.90	2,400.00	4,060.00 B-3	2,400.00 B-3	
563	Canted B/ plates 6 holed	Each	900.00	813.56	960.00	960.00 B-3		
564	MBC sleepers 8	Each	3,540.00	2,627.13	3,100.00	3,160.00 B-4	3,100.00 B-4	
565	Std. Line W/ sleeper 9' X 110" X 5"	Each	4,740.00	4,661.03	5,500.00	5,500.00 B-4		
566	Drill bit	Each	3,315.00	3,898.32	4,600.00	4,600.00 B-4		
567	Weedicide (chemical)	Ltr.	142.00	338.98	400.00	400.00 B-4	410.00 B-4	
568	Wooden 'X' ing sleeper							
a)	9' X 10" X 6"	Each	6,800.00	3,898.32	4,600.00	4,600.00 B-4		
b)	9' X 12" X 6"	Each	7,200.00	4,661.03	5,500.00	5,500.00 B-4		
c)	10' X 10" X 6"	Each	7,600.00	4,432.22	5,230.00	5,230.00 B-4		
d)	11' X 10" X 6"	Each	8,400.00	4,889.84	5,770.00	5,770.00 B-4		
e)	12' X 10" X 6"	Each	9,200.00	5,271.20	6,220.00	6,220.00 B-4		
f)	13' X 10" X 6"	Each	10,000.00	5,728.83	6,760.00	6,760.00 B-4		
g)	14' X 10" X 6"	Each	10,800.00	6,186.46	7,300.00	7,300.00 B-4		
h)	14' X 12" X 6"	Each	11,600.00	7,415.28	8,750.00	8,750.00 B-4		
i)	15' X 12" X 6"	Each	12,400.00	7,940.70	9,370.00	9,370.00 B-4		
j)	16' X 10" X 6"	Each	13,200.00	7,177.99	8,470.00	8,470.00 B-4		

Sr. No.	Description of Material	Unit (per)	Earlier Rate (SOR-2014) in `	RATE in ` proposed to adopt in SOR 2017				
				<u>Approved</u>	<u>Minimum</u>	Quotation No.1	Quotation No.2	Quotation No.3
k)	16' X 12" X 6"	Each	14,000.00	8,474.60	10,000.00	10,000.00 B-4		
569	Cement concrete mono-block crossing sleeper	Set	433,510.00	313,560.20	370,000.00	370,000.00 B-5	380,000.00 B-5	
570	Cement concrete mono-block sleeper	Each	3,540.00	2,627.13	3,100.00	3,160.00 B-5	3,100.00 B-5	

Annexure - II

Basic Rates of LABOUR to be adopted for Rate Analysis for SOR 2017

Sr. No.	Trade of Labour	Category	Unit (per)	Earlier Rate (SOR-2014) in `	To adopt in SOR 2017	
					RATE in `	
					<u>Approved</u>	<u>Proposed</u>
1	EXCAVATOR	Semi-skilled	Day	204.00	498.08	498.08
2	BREAKER	Semi-skilled	Day	300.00	498.08	498.08
3	HOLE DRILLER	Semi-skilled	Day	300.00	498.08	498.08
4	CHISELLER	Unskilled	Day	204.00	478.85	478.85
5	BLACK SMITH 1st CLASS	Highly Skilled	Day	300.00	540.38	540.38
6	BLACK SMITH 2nd CLASS	Skilled	Day	300.00	525.00	525.00
7	BLACK SMITH 3rd CLASS	Semi-skilled	Day	270.00	498.08	498.08
8	BANDHANI (For lifting heavy materials).	Semi-skilled	Day	240.00	498.08	498.08
9	CARPENTER 1st CLASS	Highly Skilled	Day	360.00	540.38	540.38
10	CARPENTER 2nd CLASS	Skilled	Day	240.00	525.00	525.00
11	CARPENTER 3rd CLASS	Semi-skilled	Day	240.00	498.08	498.08
12	MASON 1st CLASS	Highly Skilled	Day	360.00	540.38	540.38
13	MASON 2nd CLASS	Skilled	Day	300.00	525.00	525.00
14	MASON 3rd CLASS	Semi-skilled	Day	270.00	498.08	498.08
15	MAZDOOR (MALE)	Unskilled	Day	204.00	478.85	478.85

Sr. No.	Trade of Labour	Category	Unit (per)	Earlier Rate (SOR-2014) in `	To adopt in SOR 2017	
					RATE in `	
					Approved	Proposed
16	MAZDOOR (FEMALE)	Unskilled	Day	180.00	478.85	478.85
17	BHISTI	Unskilled	Day	204.00	478.85	478.85
18	MATE (HELPER)	Unskilled	Day	204.00	478.85	478.85
19	MAISTRY/MUCCADAM	Highly Skilled	Day	420.00	540.38	540.38
20	PLUMBER 1st CLASS	Highly Skilled	Day	360.00	540.38	540.38
21	PLUMBER 2nd CLASS	Skilled	Day	300.00	525.00	525.00
22	PLUMBER 3rd CLASS	Semi-skilled	Day	270.00	498.08	498.08
23	TILER 1st CLASS (For laying Mangalore tiles).	Highly Skilled	Day	330.00	540.38	540.38
24	TILER 2nd CLASS (For laying Mangalore tiles).	Skilled	Day	240.00	525.00	525.00
25	BELDAR	Unskilled	Day	204.00	478.85	478.85
26	COOLIE	Unskilled	Day	204.00	478.85	478.85
27	PAINTER 1st CLASS	Highly Skilled	Day	300.00	540.38	540.38
28	PAINTER 2nd CLASS	Skilled	Day	300.00	525.00	525.00
29	PAINTER 3rd CLASS	Semi-skilled	Day	204.00	498.08	498.08
30	WHITE WASHER/ WASHER	Semi-skilled	Day	240.00	498.08	498.08
31	PUMP OPERATOR	Skilled	Day	204.00	525.00	525.00
32	MIXER OPERATOR	Skilled	Day	360.00	525.00	525.00

Sr. No.	Trade of Labour	Category	Unit (per)	Earlier Rate (SOR-2014) in `	To adopt in SOR 2017	
					RATE in `	
					Approved	Proposed
33	WELDER	Skilled	Day	300.00	525.00	525.00
34	FITTER 1st CLASS	Highly Skilled	Day	360.00	540.38	540.38
35	FITTER 2nd CLASS	Skilled	Day	360.00	525.00	525.00
36	CHOWKIDAR	Semi-skilled	Day	204.00	498.08	498.08
37	GLAZIER/ GLASS CUTTER	Semi-skilled	Day	300.00	498.08	498.08
38	STONE CUTTER 1st class	Highly Skilled	Day	300.00	540.38	540.38
39	STONE CUTTER II nd class	Skilled	Day	240.00	525.00	525.00
40	GANGMAN	Semi-skilled	Day	204.00	498.08	498.08
41	SUPERVISOR	Highly Skilled	Day	360.00	540.38	540.38
42	DRIVER (MOTOR LORRY)	Highly Skilled	Day	360.00	540.38	540.38
43	CLEANER	Semi-skilled	Day	276.00	498.08	498.08
44	OPERATOR - COMPRESSOR/ VIBRATOR	Highly Skilled	Day	348.00	540.38	540.38
45	SAFAIWALA	Unskilled	Day	204.00	478.85	478.85
46	PAVER - 'A' GRADE	Semi-skilled	Day	240.00	498.08	498.08