

MUMBAI PORT AUTHORITY						
Civil Engineering Department						
Trender No. 13/2024						
Repairs to auction sheds, old jetty, Sassoon dock, Colaba. GWSD.						
Schedule of Quantities & Rates						
SR. NO	QNTY	UNITS	ITEMS	RATE (Rs.)	PER	AMOUNT (Rs.)
1	420	Sq.M.	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.	83,580.00
2	420	Sq.M.	Removing existing plaster carefully for RCC/ brick work including removing wall fixtures, scaffolding etc. complete as directed.	142.00	Sq.M.	59,640.00
3	60	Mtr	Dismantling CI, AC or PVC pipes with fittings (from 50 to 150 mm nominal bore) and clamps including stacking the materials within a lead of 300 Mtrs. complete as directed.	59.00	Mtr	3,540.00
4	7	cum	Dismantling wood work in frames, trusses etc. upto any height including stacking the materials within a lead of 400 Mtrs. complete as directed.	2100.00	cum	14,700.00
5	5	Lit.	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.	1,420.00
6	36	cum	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.	1191.00	cum	42,876.00
7	36	Cu.M	Excavation upto 1.5 Mtrs. depth in dense or hard soil 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 300 Mtrs. etc. including cost of fencing, lighting & watching etc. complete as directed.	607.00	Cu.M	21,852.00
8	1750	Sq.M.	Dismantling carefully 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.	222,250.00
9	5	CU.M	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.	13,485.00
10	5	Cu.M.	Demolishing cement concrete of any mix in superstructure including stacking of materials for disposal within 300 Mtrs. lead complete as directed.	1577.00	Cu.M.	7,885.00

11	200	m	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	m	48,800.00
12	20	Sq.M.	Providing and applying cement plaster in CM (1:4) upto 20 mm thick proportion using river sand including neeru finish, re-fixing of wall mounted existing wooden fixtures etc. complete as directed.	598.00	Sq.M.	11,960.00
13	450	Sq.M.	Sand faced cement and sand plaster (1:3) 20 mm thick in 2 coats, externally upto any height 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.	719.00	Sq.M.	323,550.00
14	420	Sq.M.	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.	53,340.00
15	30	Sq.M.	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.	19,560.00
16	500	Kg.	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.	20,500.00
17	3	Cu.M.	Providing brick masonry with conventional/ IS type Set in cement mortar (1:6) in superstructure upto any floor level including scaffolding, watering etc. complete as directed.	6061.00	Cu.M.	18,183.00
18	42	cum	Providing & laying Cement concrete (1:1.5:3) or M20 grade in RCC members including cost of shuttering, consolidating, watering, curing etc. complete as directed but excluding reinforcement in foundation, columns, pavings etc.	7162.00	cum	300,804.00

19	180	qntl.	Steel work in single sections R.S.joists, flats, 'T's, angles, plates in roof gutters, ms clamps for gutters, base plate,nut bolts,gratings, squre/rectangular/round pipes of require wall thickness & channels in roofing members, decotative grills, ms plate clamps in wooden roof member joints etc. as directed including scaffolding, 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.	7089.00	qntl.	1,276,020.00
20	60	Mtr	Providing and fixing PVC rain water pipes of 160 mm dia. of 'Supreme'/ 'Prince'/ 'Kisan' or of approved manufacture/ brand of good quality including connection to roof gutters, shoe at the bottom, fixing the pipes with PVC clips making them good, connecting the pipes with solvent cement,scaffolding etc. complete as directed.	568.00	Mtr	34,080.00
21	50	Sq.M.	Only laying dry rubble stone packing in foundation etc. with stones available at site including filling inerstices with small pieces of stone chips, thouroughly ramming, watering, consolidating etc. complete.	250.00	Sq.M.	12,500.00
22	100	Sq.M.	Providing and laying 150 mm thick stone rubble packing in foundation etc. including filling interstices with small pieces of stone chips, thoughly ramming, watering, consolidating etc. complete as directed	359.0	Sq.M.	35,900.00
23	15	Cu.M	Providing and laying cement concrete of grade (1:2:4) or M 15 grade for foundation and plinth including necessary formwork, curing etc. complete as directed.	6,285.00	Cu.M	94,275.00
24	43	cum	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, steel shuttering, vibrating, curing but excluding reinforcement etc. complete as directed.	15,489.00	cum	666,027.00
25	93	qtl.	Providing & fixing high yield deformed reinforcement steel (conforming to IS) for RCC members including cutting, bending, placing in position, binding complete as directed (binding wire will not be payable).	6,355.00	qtl.	591,015.00
26	1050	Nos	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	Per No.	109,200.00

27	1050	Sq.m.	Two coats of synthetic enamel paint of approved brand/ manufacture and shade on previously painted or new concrete, masonry, wooden, steel surfaces to give an even shade over a coat of primer of respective surfaces as directed including removing flaky, loose matter, thoroughly scraping, cleaning, making even and preparing the surface, scaffolding etc. complete as directed.	120.00	Sq.m.	126,000.00
28	200	Sq.m.	Providing and applying two coats of weatherproof exteriors 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.	32,000.00
29	1	qtl.	Providing & fixing m.s. reinforcement steel (conforming to IS) for RCC members including cutting, bending, placing in position, binding complete as directed (binding wire will not be payable).	6,062.00	qtl.	6062
30	170	Cu.M.	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.	95,880.00
31	450	Sq.M.	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).	426.00	Sq.M.	191,700.00
32	860	sq.m.	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.	43,860.00
33	100	m	Collecting 75 to 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	m	102,900.00
34	6	Cu.M.	Re-using old serviceable teak wood work available from site of work including cutting to the required size, planing, fixing using nuts and bolts and other fixture and fastenings etc. complete as directed.	12,441.00	Cu.M.	74,646.00
35	1	Cu.M.	Providing 2nd class teak wood work in trusses, purlins, rafters, posts and the like, wrought, framed, hoisted and fixed in position including	161,915.00	Cu.M.	161,915.00

36	1040	sq.m.	Providing and fixing nylon anti-bird nets mesh having mesh size 32 x 32 mm in diamond or square shape, 6 to 8 mm thick filament, with minimum 500 kg tensile strength of Garaware or any other equivalent make as per the selection of engineer incharge to be tied around roof truss etc. completed	439.00	sq.m.	456,560.00
37	195	q	Dismantling steel work in built-up sections in frame work at any height 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	q	75,270.00
38	135	q	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	q	368,010.00
39	110	q	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	q	327,030.00
40	270	m	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.31	349.00	m	94,230.00
41	70	sq.m.	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 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).	845.00	sq.m.	59,150.00
42	270	m	Providing and fixing 400 x 125x 250 mm nominal size AC valley 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).	1,072.00	m	289,440.00
43	100	m	Fixing the existing removed AC valley gutters, ridges etc. 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).	470.00	m	47,000.00

44	1300	sq.m.	Re-fixing AC , translucent 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).	151.00	sq.m.	196,300.00
				TOTAL		6,834,895.00

Tenderers are requested to Quote their Percentage Rate in the attached Excel file (.xls)

NOTE:

The rate quoted by the contractor shall be exclusive of GST. The GST shall be payable to the contractor along with the running bills. All other incidental charges shall be borne by the contractor for the execution of the works.

1. Tenderers are advised in their own interest to inspect the site of work before tendering.
2. The quantities given above in the Schedule of Quantities and Rates are approximate and are furnished for the guidance of the tenderers.
3. The work is of top priority and the contractors are required to commence the work immediately upon the receipt of work order.
4. No materials will be supplied to contractor by this Port Trust and contractor will have to make his own arrangement for procurement of all material, tools etc. required for this work. The contractor will include the cost of all material, tools, tackles, plant & equipment etc. in the tendered amount while quoting for the work.