

MUMBAI PORT AUTHORITY
CIVIL ENGINEERING DEPARTMENT
Tender No. E19/2024

Upgradation of building nos 3, 4 &5 of Kushal Nagar, Reay Road, GWND

SCHEDULE OF QUANTITIES AND RATES

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
1	7105	Sq.M.	Removing existing plaster carefully for RCC/ brick work including removing wall fixtures if any, double scaffolding without making holes in existing walls etc. complete as directed including transporting the debris outside MbPT estate as directed. Reference of SOR???	142.00	Sq.M.	1,008,910.00
2	1325	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.	263,675.00
3	120	Lits.	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.	34,080.00
4	740	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. Reference of SOR???	652.00	Sq.M.	482,480.00
5	590	Sq.M.	Providing and applying polyalk EP 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.	123.00	Sq.M.	72,570.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
6	32400	Kgs.	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.	1,328,400.00
7	4500	Kg.	Providing and laying micro-concrete of Polycrete-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.	121,500.00
8	6	Cum of concrete	Providing and fixing in position shuttering to columns beams to suit the site condition to pour the concrete or micro concrete including providing props, filling gap with suitable material, smoothing the shuttering surface with oil etc. complete as directed.	3424.00	Cum of concrete	20,544.00
9	4065	Sq.M.	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 face finish with suitable spraying machine	830.00	Sq.M.	3,373,950.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
10	2150	Sq.M.	<p>etc. complete including necessary scaffolding, curing etc. complete as directed. 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> <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.	1,541,550.00
11	790	Sq.M.	<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.	295,460.00
12	72	Cum	<p>Providing & laying Cement concrete (1:1.5:3) or M20 grade in RCC members like columns, pillars, post and struts , jacketing, slab etc or in any other member including formwork including cost of consolidating, watering, curing etc. complete as directed but excluding reinforcement .</p>	14618.00	Cum	1,052,496.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
13	3495	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	Each	363,480.00
14	75	qntls.	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).	6355.00	qntl.	476,625.00
15	265	No	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	36,570.00
16	1325	Kg.	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	258,375.00
17	1920	Mtrs.	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	Mtrs.	113,280.00
18			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, GI U clamp with bracket 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)	540	Mtr	110 mm dia. PVC soil pipes	326.00	Mtr	176,040.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
b)	960	Mtr	75 mm dia. PVC waste water pipes	226.00	Mtr	216,960.00
19	140	Mtr	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 GI U clamp with bracket clips, making holes in parapet making them good, connecting the pipes with solvent cement etc. complete as directed.	271.00	Mtr	37,940.00
20	2310	Mtr	Removing existing GI pipes and fittings of any size including necessary scaffolding etc. complete and stacking the same as directed at cotton depot yard.	35.00	Mtr	80,850.00
21	60	Mtr	Re-fixing existing old GI pipes of any size with new fittings, clamps, etc. complete as directed.	175.00	Mtr	10,500.00
22			Providing and fixing UPVC/ ASTM pipes concealed or open laying with its fittings as per manufacturer's instruction etc. on approved GI clamps complete as directed.			
a	330	Mtr	40 mm (1.5") nominal dia.	270.00	Mtr	89,100.00
b	660	Mtr	32 mm (1.25") nominal dia.	248.00	Mtr	163,680.00
c	480	Mtr	25 mm (1") nominal dia.	198.00	Mtr	95,040.00
d	840	Mtr	20 mm (0.75") nominal dia.	163.00	Mtr	136,920.00
23			Providing and fixing gun metal/UPVC/ ASTM wheel valve gate type (Peet valve) tested by MCGM or bearing ISI mark complete as directed.			
a	24	No	25 mm (1") nominal bore	524.00	Each	12,576.00
b	24	No	32 mm (1 1/4") nominal bore	800.00	Each	19,200.00
c	12	No	40 mm (1 1/2") nominal bore	1104.00	Each	13,248.00
24	115	No	Removing nahani trap carefully including making hole in brick wall and stacking the same at site etc. complete as directed.	65.00	Each	7,475.00
25	115	Nos.	Providing and fixing PVC nahani trap with PVC cover including making holes in walls, beams etc. with cement grouting(1:1), making good	932.00	Each	107,180.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
26	111	Nos.	the damaged portion, finishing etc. complete as directed. Providing and fixing in position Indian style white glazed vitreous china ware w.c. pan 23" long with raised white glazed foot treads & with 'P' trap and vent including necessary inlet and out let connections etc. complete including removing existing w.c. pan, brick bat coba and reinstating the brick bat coba etc. with 3 coats of oil paint to exposed pipes and fittings etc. complete as directed.	4213.00	Each	467,643.00
27	12	Nos.	Providing and fixing spouts comprising of 25 mm (1") nominal bore 450 mm long GI pipe 'B' class and GI elbow including making holes in masonry/ concrete and reinstating the holes complete.	116.00	Each	1,392.00
28	375	Sq.M.	Removing existing waterproofing layer including brick bat coba complete including transporting debris outside MbPT estate as directed.	311.00	Sq.M.	116,625.00
29	375	Sq.M.	Providing and laying waterproofing treatment to mori, bath, w.c., over head tanks, terraces etc. consisting of smooth plaster in CM (1:3) over a layer of cement slurry and a layer of polycoat S.S. or equivalent as approved in flooring and dado, brick bat coba in CM (1:3) of required thickness and 40 mm thick IPS (1:2:3) including addition of approved quality waterproofing compound finished smooth surface etc. complete (using river sand) (payment will be made for plan area).	1037.00	Sq.M.	388,875.00
30	1830	Sqm	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	Sqm	781,410.00
31	2970	Sqm	Removing existing Indian Patent Stone (IPS)	125.00	Sqm	371,250.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
32	1140	Sq.M.	flooring and stacking the same etc. complete as directed. Providing and laying IPS (1:2:4), 50 mm thick (with course 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.	570,000.00
33	1280	Sq.M.	Reference of SOR??? 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.	945,920.00
34	1070	Sq.M.	Dismantling tiles in floors stacking the same for disposal within a lead of 100 Mtrs. complete as directed.	58.00	Sq.M.	62,060.00
35	740	Sq.M.	Providing and fixing ceramic tiles of suitable size of approved brand in flooring on lime /cement mortar (1:2) bedding on 25 to 40 mm thickness or in dado with 10 to 20 mm thick	1451.00	Sq.M.	1,073,740.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
36	660	Mtrs.	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. Providing protruded band (vata) 200mm wide and 60 mm average thick at the junction of GI sheets and vertical building faces as per the site requirements in C.M. (1:3) with an interface hack- aid plast bond between old and new surface before plastering including preparation of concrete surface to receive vata etc. complete as directed.	227.00	Mtr.	149,820.00
37	75	Sq.M.	Providing and fixing GI plain sheets of 20 gauge in chajjas at various floor levels of or to the bath doors screws as directed including providing aluminium rivets for the horizontal laps, applying two coats of oil paint over a coat of zinc chromate on both sides of GI sheets including double scaffolding etc. complete as directed (Laps will not be paid separately. Minimum horizontal lap 100 mm).	1761.00	Sq.M.	132,075.00
38	9	qntl.	Steelwork in single sections viz. flats, 'T's, angles and channels, etc. including cutting, hoisting, fixing in position by welds or bolts/ split bolts and applying two coats of approved synthetic enamel paint over a coat of anti-corrosive zinc chromate primer (yellow) to the entire steel work complete.	7089.00	qntl.	63,801.00
39	64	Cu.M.	Demolishing or dismantling stone masonry/ brick masonry or cement concrete carefully upto required height and staking useful materials and transporting debris out of MbPT estate complete in all respect as directed.	2015.00	Cu.M.	128,960.00
40	64	Cu.M.	Brick masonry in CM (1:5) in foundation, plinth, superstructure, walls, columns, etc. complete upto any height including scaffolding, curing etc. complete as directed.	5953.00	Cu.M.	380,992.00
41	45	Sq.M.	Providing and fixing 4 mm thick clear and transparent acrylic sheet including teak wood	1033.00	Sq.M.	46,485.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
42	770	Mtr	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.	142.00	Mtr	109,340.00
			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).			
43	600	Each	Removing carefully existing door or window wooden frame and stacking the same etc. complete as directed.	208.00	Each	124,800.00
44	360	Each	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	69,840.00
45	24	Sqm	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.	4718.00	Sqm	113,232.00
46	390	sqm	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	761.00	sqm	296,790.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
47	1320	Kg	stainless steel hinges. No extra payment shall be made for hinges. 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	604,560.00
48	380	Sqm	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.	10651.00	Sqm	4,047,380.00
49	5	Cum	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.	77216.00	Cum	386,080.00
50	24	Cum	Demolishing RCC work including chajjas, columns, beams, hume pipe tanks etc. including stacking of steel bars and unserviceable materials separately within a lead of 100 Mtrs. complete as directed.	2697.00	Cum	64,728.00
51	60	Cu.M	Demolishing cement concrete (1:3:6) or richer mix including stacking the material and trasporting the material outside the MBPT estate etc. complete as directed.	1577.00	Cu.M.	94,620.00
52	82	Cu.M.	Excavation in dense soil in trenches including dressing of sides & ramming the formation, clearing of rank vegetation, bailing out water, re-filling the excavated material wherever directed, removing the excavated material from	607.00	Cu.M.	49,774.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
53	56	Cu.M.	the site outside MbPT estate. Providing and laying cement concrete of grade (1:2:4) for flooring , coping, columns etc. including necessary shuttering, curing etc. complete (using river sand).	6285.00	Cu.M.	351,960.00
54	250	Sq.M.	Providing and laying dry stone rubble packing 150 mm thick including filling interstices with small pieces of stone chips, thoroughly ramming, watering, consolidating etc. complete.	359.00	Sq.M.	89,750.00
55	1950	Kg	Providing & placing broken glass in plinth protection, coping etc. complete as directed.	39.00	Kg	76,050.00
56	33	Sq.M.	Removing existing RCC jalli work carefully and stacking the same etc. complete as directed.	142.00	Sq.M.	4,686.00
57	33	Sq.M.	Providing & fixing 50 mm thick pre-cast cement concrete (1:2:4) jalli of approved design with nominal reinforcement including finishing and fixing complete.	723.00	Sq.M.	23,859.00
58	66	Sqm	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.	60,786.00
59	200	sqm	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.	3365.00	sqm	673,000.00
60	120	sqm	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.	2745.00	sqm	329,400.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
61	20	no	Providing and fixing stoneware 'S' or 'P' type gully 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. Size: 225X225 mm with 150 mm outlet & 225X225 mm size PVC grating	5464.00	Each	109,280.00
62	22	Mtr.	Providing and laying 300 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, curing etc. complete as specified and as directed but exclusive of excavation.	911.00	Mtr.	20,042.00
63	8	no	Providing and fixing 100 mm thick 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.	5106.00	Each	40,848.00
64	750	sqm	Providing and fixing Mosquito net(jalli) to wooden windows and louvered windows with the help of brass nails and welcrow including fixing battens patti if required all around louvered windows etc completed as directed. (wooden batten paid separately.)	131.00	sqm	98,250.00
65	12	Nos	Providing and fixing 15 mm dia. brass nickel plated pillar tap (Heavy), tested by MCGM or bearing ISI mark complete as directed.	475.00	Nos	5,700.00
66	795	sqm	Providing and treating the soil in contact with the external walls of the building with chemical chloropyriphos (1:19 concentration) by drilling holes of 12mm dia. And 300mm apart and injecting the approved chemical as per Godrej hicare or equivalent to soak the soil at a rate of 2.25 lit. per linear meter. Treatment shall be repeated till the prescribed quantity of	24.70	sqm	19,636.50

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
			chemicals are used. Providing and treating junction of wall and floor of all wall and floor levels by drilling holes of 8 to 10mm dia. at 45 degree and 300mm apart and injecting the approved chemical as per Godrej hicare or equivalent till refusal or 1 lit. per hole shall then be sealed. Providing and treating the junction of wood work with masonry, floor at all floor levels treated by drilling holes of 6mm dia. at 45 degree and 300mm apart and injecting approved chemical as per Godrej hicare or equivalent till refusal or 1/2 lit. per hole maximum. The treated holes shall then be sealed. Providing and treating infected wood work and walls by spraying the oil based chemicals of approved quality, as per Godrej hicare or equivalent. Providing pest control treatment for bed bugs, cockroaches, flies, mosquitoes, ants, lizards etc. by spraying approved chemical as per hicare or equivalent. (Only built-up area of the building at each floor will be measured and paid for). Note: The item shall be executed by engaging IPCA approved Pest Control treatment agency.			
67			Providing and fixing the following fixtures and hardware to the wood work including required screws and other fastenings. Handles			
a	570	No	(vi) Anodised aluminium - 100 mm	20.00	Each	11,400.00
b	90	No	(vii) Anodised aluminium - 150 mm	34.00	Each	3,060.00
c	24	No	aldrops (viii) Anodised aluminium - 200 mm	133.00	Each	3,192.00
d	90	No	Tower bolts (vii) Anodised aluminium - 100 mm	49.00	Each	4,410.00
e	90	No	(viii) Anodised aluminium - 150 mm	53.00	Each	4,770.00
f	480	No	Door latches (vii) Anodised aluminium - 200 mm	143.00	Each	68,640.00
g	450	No	Aluminium eye and hook Anodised aluminium 150 mm	29.00	Each	13,050.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
68	70	Nos.	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.	1052.00	Each	73,640.00
69	70	Nos.	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	28,210.00
70	3	Qntls.	Dismantling steel work in single sections in R.S.J.s, channels, angles in window weather shade bracket, 'T's and flats including dismembering and stacking within a lead of 100 Mtrs. complete as directed.	257.00	Qntl.	771.00
71	150	Nos.	Providing & fixing G.I. brackets of suitable size and of heavy quality for fixing of PVC/C.I./G.I. pipes of various diameters alongwith adjustable type 'U' shape G.I. clamp with required equipment such as drill machine, scaffolding etc. and with necessary fittings etc. complete as directed.	79.00	Each	11,850.00
72	120	Nos.	Providing and fixing brass nickel plated bib taps of 15 mm (1/2") nominal bore, screw down pattern of approved quality, tested by MCGM or bearing ISI mark complete as directed including removing and hand overing the existing bip taps/ fittings to the sectional office as directed.	198.00	Each	23,760.00
73	500	Sq M	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 (1:3) bedding, jointed with neat cement slurry and polishing in three coats etc. complete as directed.	1840.00	Sq M	920,000.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
74	11	Sq.M.	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.	10,516.00
75	28	Mtrs.	Providing and laying 230 mm nominal dia '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.	950.00	Mtr.	26,600.00
76	60	Sq.m.	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.	67,140.00
77	8	each	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.	1372.00	each	10,976.00
78	12	Each	Cleaning thoroughly chambers connected to lavatory blocks and cleaning thoroughly pipe drain connected to latrine drainage system etc. complete as directed.	1257.00	Each	15,084.00
79	795	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	564.00	Cu.M.	448,380.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
80	5415	Sqm	directed. Providing and applying 'Renovo' synthetic plaster containing synthetic fibres and petrolium based chemicals of make Damani Dyestuff Ltd.' or equivalent, to be applied on RCC/Cement plaster having very mild keys/wire brush/sponge finish, in plain finish in three coats i.e. one coat of Renovo synthetic plaster thickness upto 2-3 mm colour fast, for the sub strate by trowell plus two coats of acrylic paint of Thickness 50-60 micron by roller of approved colour shade as per manufacturer's specifications as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-In-Charge alongwith certified test reports.	424.00	Sqm	2,295,960.00
81	7	Nos.	Providing & fixing white glazed vitreous chinaware wash hand basin 550*400 mm 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.	2936.00	Nos.	20,552.00
82	7	nos	Providing and fixing in position European type with low level 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, 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	6036.00	Nos.	42,252.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
83	2	nos	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). Providing & fixing bowl pattern white glazed vitreous chinaware urinal Large back or high back (semi stall) of size 610X400X380 mm 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).	2858.00	nos	5,716.00
84	156	Nos	Providing & fixing in position RCC door frame of section 100X63 mm for opening size of 0.75X2.0 Mtrs. Or existing size of door to w.c. or bath room including fixing the hold-fasts etc. complete as directed.	1850.00	Nos	288,600.00
85	1	Job	<u>Painting Internally to building and U/G water tank with Pump room at bldg no 3,4 &5 at Kushal Nagar Reay road.</u> Scrapping, cleaning, levelling & preparing the surface to receive synthetic enamel paint, synthetic flat paint, french polish, oil bound distemper, of approved brand and other painting works as indicated below. Providing and applying synthetic enamel paint with 'Asian Apcolite' or its equivalent in 2 coats in dados upto 1 m height and in bathroom, mori, WC and for rooms, or wherever existing etc. as directed including scrapping the existing oil paint, clearing the surface etc. complete and Providing and applying synthetic enamel paint with 'Asian Apcolite' or its equivalent in 2 coats to all steel work over a coat of anti-corrocsive Zink primer (yellow), such as m.s. grills, m.s. bars, XPM weldmesh, flats, all GI, CI pipes, steel work, electrical conduits, flushing tanks, m.s. covers of overhead tank and m.s. tanks, rolling shutters, gates etc. or wherever existing etc. complete and Providing and applying synthetic enamel paint and applying synthetic enamel	2,670,075.00	lump-sum	2,670,075.00

Ite No.	Total	In Unit	Item Description	Rate Excl. GST	Per	Amount in Rs
86	33	qtl	paint with 'Asian Apcolite' or its equivalent in 2 coats to all wooden surfaces work such as doors, windows, hand rails, ventilators and wherever presently painted etc. complete. directed, washing with approved detergents w.c. floors and other surface wherever required to remove dirt, dust, paint, darks/ stains etc. complete and Oil bound distemper of approved quality, make and shade in 2 coats over a coat of primer to all the internal walls, beams, columns, RCC jallies, RCC racks of the room courts etc. w.c. blocks, open passages etc. wherever presently painted and new surface. Lettering on existing structures to be redone/ repainted as per the existing number and letters on name boards including labour, materials, tools, scaffolding, removing debris and stacking in the compound.	-3521.00	qtl	-116,193.00
Total Amount "A" Rs.						32,508,504.50

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 Authority 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.