

MUMBAI PORT AUTHORITY
Civil Engineering Department
Tender No.E.41/2024

**Providing and Fixing missing/damaged Water gully and Manhole
Frame and Covers with FRP Frame and cover in the jurisdiction of
Roads Section (Outside Docks).**

SCHEDULE OF QUANTITIES & RATES

Sr. No.	Qty.	In Unit	Items	Rate excl. all taxes in Rs.	Per	Amount Rs.
1	50	Cu.M.	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.	43,350.00
2	50	Cu.M.	Excavation upto 1.5 Mtrs. depth in trenches for foundations/ drains/ pipes/ cables etc. in Dense or hard soil not exceeding 1.5 Mtrs. in width, including breaking quay wall, coursed rubble masonry, 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. (including quay wall CR masonry)	607.00	Cu.M.	30,350.00
3	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
4	10	Cu.M.	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.	15,770.00

Sr. No.	Qnty.	In Unit	Items	Rate excl. all taxes in Rs.	Per	Amount Rs.
5	10	Cu.M.	Providing and laying approved quality rubble packing 250 mm thick 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.	1,288.00	Cu.M.	12,880.00
6	20	Mtrs.	Providing & laying non-pressure NP-2 class RCC pipes of 300 mm dia 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.	18,220.00
7	20	Cu.M	Providing & laying Cement concrete (1:1.5:3) or M20 grade in RCC members including formwork and cost of consolidating, watering, curing etc. complete as directed but excluding reinforcement in foundations, footings, pile caps, plinth beams & the like & mass concrete	7,162.00	Cu.M	143,240.00
8	125	Mtrs.	Collecting 90 lbs/52kg 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.	128,625.00
9	30	Qntls.	Steel work in single sections in R.S.joists, flats, 'T's, angles, plates & channels etc. 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.	7,089.00	Qntl.	212,670.00

Sr. No.	Qty.	In Unit	Items	Rate excl. all taxes in Rs.	Per	Amount Rs.
10	50	Nos.	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	68,600.00
11	300	Nos	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	115,500.00
12	25	Nos	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	16,400.00
13	200	Nos	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	126,200.00
14	200	Nos	Fixing only FRP/ or RCC Water gully/Man hole frame and cover over the existing Water gully/Man-holes includingTransporting , demolition of required portion of masonry and re-building of water gully/ Man-hole Curing, Finishing to required Level etc complete	571.00	Each	114,200.00
15			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.			

Sr. No.	Qty.	In Unit	Items	Rate excl. all taxes in Rs.	Per	Amount Rs.
(a)	20.00		Size: 450 X 450 mm; 20 T capacity	5,967.00	Each	119,340.00
(b)	75.00		Size: 450 X 450 mm; 40 T capacity	8,121.00	Each	609,075.00
(c)	20.00		Size: 600 X 600 mm; 20 T capacity	10,967.00	Each	219,340.00
(d)	200.00		Size: 600 X 600 mm; 40 T capacity	12,464.00	Each	2,492,800.00
16			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 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)	25		20 T capacity	5,555.00	Each	138,875.00
(b)	100		40 T capacity	7,490.00	Each	749,000.00
17	5	Qntls.	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.	31,870.00
18	3000	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	81,000.00

Sr. No.	Qty.	In Unit	Items	Rate excl. all taxes in Rs.	Per	Amount Rs.
19	200	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.	112,800.00
Total (A)=						5,613,590.00

Tenders are requested to quote their Percentage rate in the Excel file published with this tender.

NOTES:

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. The Goods & Services Tax (GST) will be paid along with the certified bills at the applicable rates.
5. 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.