

**Mumbai Port Authority
Civil Engineering Department**

Tender No. E.51/2023

Providing and fixing boards showing traffic signs, safety instructions etc. inside Docks.

SCHEDULE OF RATES AND QUANTITIES

Sr. No	Qty.	Unit	Description	Rate	Per	Amount
1	90	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 100 Mtrs., etc. including cost of fencing, lighting & watching etc. complete as directed.	607.00	Cu.M.	54630.00
2	10	Cu.M.	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	Cu.M.	11910.00
3	110	Sq.M.	Providing & laying dry stone rubble packing 150 mm thick in foundation etc. including filling interstices with small pieces of stone chips, thoroughly ramming, watering, consolidating etc. complete as directed.	359.00	Sq.M.	39490.00
4	75	Cu.M.	Providing & laying Cement concrete (1:1.5:3) Foundation and plinth etc. excluding form work including cost of curing etc. complete as directed.	6317.00	Cu.M.	473775.00
5	135	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.	7089.00	Qntl.	957015.00
6	750	Mtrs.	Providing and fixing 50 mm nominal bore galvanised. Pipe 'C' class (Heavy), bearing ISI mark, confirming to thickness mentioned in ISI for tube section etc. to use as post to fix Display board with m.s. hold fast at bottom to be embedded in concrete and necessary heavy duty fittings, nut bolts, etc. at top with required drilling in pipe, including painting with 3 coats of approved synthetic enamel paint complete as directed.	592.00	Mtr.	444000.00
7	275	Sq.M.	Providing and fixing sign boards made out of 14 gauge alluminium sheet of required size bonded with coloured Retro-reflective	6537.00	Sq.M.	1797675.00

Sr. No	Qty.	Unit	Description	Rate	Per	Amount
8	150	Sq.M.	<p>sheeting having pressure sensitive adhesive, screen printed with desired letters of approved size and colour on approved background and fixing etc as approved including designing the board from approved manufacturer as directed by the Engineer-in-Charge.</p> <p>Note: 1. The boards will be of different Geometrical shape and actual geometrical area will be measured and paid for. 2. Background sheeting and signs/letters will be of different colours or as approved. 3. Signage to be designed using approved computer software and cut with precision as directed.</p> <p>Cleaning existing board to receive new coloured Retro-reflective sheet of 3mm thickness of microprismatic grade and having reflectivity warranty of 5 years having pressure sensitive adhesive, screen printed with desired letters, drawing or sketch of approved size and colour on approved background and fixing including scaffolding, etc. as directed by the Engineer-in-Charge.</p> <p>Note: 1. The boards will be of different Geometrical shape and actual geometrical area will be measured and paid for. 2. Background sheeting and signs/letters will be of different colours or as approved. 3. Signage to be designed using approved computer software and cut with precision as directed.</p>	4910.00	Sq.M.	736500.00
9	150	Sq.M.	<p>Two coat of synthetic enamel paint of approved brand/ manufacture and shade on new/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.</p>	120.00	Sq.M.	18000.00
10	6	Nos.	<p>Providing and fixing approved 1.016 m (40") diameter convex mirrors made up of unbreakable polycarbonate, highly reflective, having 130 degree of viewing angle for viewing distance of 15mtrs including pole(which will paid in seperate item) and mounting bracket etc complete. Excavation, soling and concrete will be paid separately in respective items.</p>	5082.00	Each	30492.00
11	2750	Nos.	<p>Providing and fixing in position one or two way aluminum heavy duty reflective warning road solar stud with solar panel and NI-MH battery, nearest size 132mm x 122mm x 75mm or nearer size alongwith leg, to be fixed in asphaltic/ concrete pavement, of load capacity 35 tonnes or</p>	1194.00	Each	3283500.00

Sr. No	Qty.	Unit	Description	Rate	Per	Amount
12	60	No.	more and approved brand and make, to be fixed using chemical or fastenings, etc. including core cutting, etc. complete as directed. Trimming trees which are obstructing the vision of signage and pole and shifting removed materials to the nearest dustbin etc complete as directed.	601.00	No.	36060.00
13	7200	Sq.M.	Providing & laying approved 2 to 2.5mm thick hot THERMOPLASTIC paint including coat of primer as per manufacturers specification and spreading of glass beads, pieces @300 gm/ Sq.M. etc complete as directed.	597.00	Sq.M.	4298400.00
14			Supplying of labours at sectional office inside the Dock for letter painting work with tool for a shift of 8 hrs etc complete as directed.			
a)	15	Days	Skilled worker (Letter Painter)	540.38	Day	8105.70
b)	15	Days	Unskilled worker (Mazdoor)	478.85	Day	7182.75
15	130	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.	73320.00
Total 'A' Rs.						₹ 12,270,055.45

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 work.

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

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. 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.