

**MUMBAI PORT AUTHORITY**

Civil Engineering Department

**Tender no.E 58/2023**

**BI-ANNUAL CONTRACT FOR OPERATION AND MAINTENANCE OF WATER SUPPLY SYSTEM FOR  
OPERATIONAL AREA AT PIRPAU FOR TWO YEARS .  
(SCHEDULE OF QUANTITIES AND RATES)**

Sr. No.	Qty.	In Unit	Items	Rate exclusive of GST in Rs.	per	Amount In Rs.
1	730	Shifts	<p>Operation and maintenance of water supply system all days of week including Sundays and holidays as directed at Pir Pau for <b>Two</b> YEARS by deputing at least <b>Two</b> Experienced Plumbers, <b>One</b> Mazdoor and <b>one</b> supervisor in each shift of 12 Hrs at Pir Pau involving following works.</p> <p><b>a)</b> To operate various valves of rising mains &amp; distribution pipes during the pumping hours of MCGM at Pir Pau, Gawanpada Pumping Station, for pumping of water to Eagle Nest water storage tank at Jawahar Dweep or on request from Dock Master, Jawahar Dweep or any other user for supply of water either to the office buildings in the jurisdiction of Pir Pau Section or to the Ships at Berth at Old Pir Pau, New Pir Pau Berth, Second Chemical Berts , etc or at directed locations</p> <p><b>b)</b> Transporting and connecting the hose pipes with couplings to the outlet and inlet to facilitate the supply of desired quantity of water to the ships.</p> <p><b>c)</b> Taking meter reading before and after the supply of water to the ships, once in a month taking meter reading of the MCGM's main line water meters in coordination with MCGM's representative and of Private users filling the <b>Proforma - I</b> in all respect taking signature of the receiptant and submitting it to the Assistant Executive Enginnner / Jr. Engineer of Pir Pau / Jawhar Dweep Section.</p>	4,043.00	Shift	2,951,390.00

Sr. No.	Qty.	In Unit	Items	Rate exclusive of GST in Rs.	per	Amount In Rs.
			<p>d) Once in a week checking of all fittings, taps, stop cocks, wheel valves, pipelines including removing the damaged pipelines or fittings and stacking / handing over to the concerned section incharge in the Jawahar Dweep area and attend the complaints if any. (Items replaced will be paid seperately under respective items described below).</p> <p>e) Attending / stopping to the leakages on propriety basis if any to the water supply system in the premises of Pir Pau Section and as directed etc. Complete (Note: The persons described under this item are specifically for the work covered under Item No. 1, the provision under item No 3 to 12 below are inclusive of all labour, transport etc and the contractor shall have to deploy seperate persons to execute these items)</p>			
2	730	Shifts	<p>Operation and maintenance of water supply system all days of week including Sundays and holidays as directed at Pir Pau for <b>Two</b> YEARS by deputing at least <b>One experienced</b> Plumber, <b>One</b> Mazdoor and <b>one</b> supervisor in each night shift of 12 Hrs at Pir Pau involving following works.</p> <p>a) To operate various valves of rising mains &amp; distribution pipes during the pumping hours of MCGM at Pir Pau, Gawanpada Pumping Station, for pumping of water to Eagle Nest water storage tank at Jawahar Dweep or on request from Dock Master, Jawahar Dweep or any other user for supply of water either to the office buildings in the jurisdiction of Pir Pau Section or to the Ships at Berth at Old Pir Pau, New Pir Pau Berth, Second Chemical Berts , etc or at directed locations</p>	3,003.00	Shift	2,192,190.00

Sr. No.	Qty.	In Unit	Items	Rate exclusive of GST in Rs.	per	Amount In Rs.
			<p><b>b)</b> Transporting and connecting the hose pipes with couplings to the outlet and inlet to facilitate the supply of desired quantity of water to the ships.</p> <p><b>c)</b> Taking meter reading before and after the supply of water to the ships, once in a month taking meter reading of the MCGM's main line water meters in coordination with MCGM's representative and of Private users filling the <b>Proforma - I</b> in all respect taking signature of the receiptant and submitting it to the Assistant Executive Enginnner / Jr. Engineer of Pir Pau / Jawhar Dweep Section.</p> <p><b>d)</b> Once in a week checking of all fittings, taps, stop cocks, wheel valves, pipelines including removing the damaged pipelines or fittings and stacking / handing over to the concerned section incharge in the Jawahar Dweep area and attend the complaints if any. (Items replaced will be paid seperately under respective items described below).</p> <p>e) Attending / stopping to the leakages on proprity basis if any to the water supply system in the premises of Pir Pau Section and as directed etc. Complete (Note: The persons described under this item are specifically for the work covered under Item No. 2, the provision under item No 3 to 12 below are inclusive of all labour, transport etc and the contractor shall have to deploy seperate persons to execute these items)</p>			

Sr. No.	Qty.	In Unit	Items	Rate exclusive of GST in Rs.	per	Amount In Rs.
3	300	Hrs.	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).	331.00	Hrs.	99,300.00
4			Providing and fixing to structure, WI galvanised pipes 'C' class (heavy) 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 three coats of approved synthetic enamel paint etc complete as directed.			
(a)	80	Mtr.	15 mm (1/2") nominal bore	209.00	Mtr.	16,720.00
(b)	80	Mtr.	20 mm (3/4") nominal bore	252.00	Mtr.	20,160.00
(c)	10	Mtr.	25 mm (1") nominal bore	313.00	Mtr.	3,130.00
(d)	100	Mtr.	32 mm (1 1/4") nominal bore	402.00	Mtr.	40,200.00
(e)	30	Mtr.	50 mm (2") nominal bore	651.00	Mtr.	19,530.00
(f)	20	Mtr.	100 mm (4") nominal bore	1,189.00	Mtr.	23,780.00
5	40	Mtr.	Providing, lowering in trenches or on ground level and assembling in line and level CI fresh water pipes Class LA 200 mm (8") nominal dia. With spigot and socket or flanged ends etc. Complete as directed.	2,629.00	Mtr.	105,160.00
6			Providing and fixing brass nickel plated bib taps of screw down pattern tested by MCGM or bearing ISI mark complete as directed.			
(a)	60	No	15 mm (1/2") nominal bore	198.00	Each	11,880.00
(b)	60	No	20 mm (3/4") nominal bore	230.00	Each	13,800.00
7			Providing and fixing brass stop cocks of screw down pattern tested by MCGM or bearing ISI mark complete as			
(a)	16	No	15 mm (1/2") nominal bore	206.00	Each	3,296.00
(b)	16	No	20 mm (3/4") nominal bore	306.00	Each	4,896.00
(c)	12	No	25 mm (1") nominal bore	417.00	Each	5,004.00

Sr. No.	Qty.	In Unit	Items	Rate exclusive of GST in Rs.	per	Amount In Rs.
(d)	12	No	32 mm (1 1/4") nominal bore	740.00	Each	8,880.00
(e)	8	No	40 mm (1 1/2") nominal bore	1,104.00	Each	8,832.00
(f)	8	No	50 mm (2") nominal bore	1,633.00	Each	13,064.00
8			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)	8	No	25 mm (1") nominal bore	720.00	Each	5,760.00
(b)	8	No	32 mm (1 1/4") nominal bore	1,227.00	Each	9,816.00
(c)	4	No	40 mm (1 1/2") nominal bore	1,810.00	Each	7,240.00
(d)	4	No	50 mm (2") nominal bore	2,127.00	Each	8,508.00
9	24	No	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	15,072.00
10	20	No	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	6,600.00
11			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)	10	No	for 80 mm nominal dia. pipeline	17,948.00	Each	179,480.00
(b)	4	No	for 100 mm nominal dia. Pipeline	24,848.00	Each	99,392.00
(c)	2	No	for 150 mm nominal dia. pipeline	35,355.00	Each	70,710.00
(d)	2	No	for 200 mm nominal dia. pipeline	53,747.00	Each	107,494.00
(e)	4	No.	for 15 mm nominal dia. pipeline	1,878.00	Each	7,512.00
(f)	4	No.	for 20 mm nominal dia. pipeline	2,868.00	Each	11,472.00
(g)	4	No.	for 25 mm nominal dia. pipeline	4,315.00	Each	17,260.00

Sr. No.	Qty.	In Unit	Items	Rate exclusive of GST in Rs.	per	Amount In Rs.
12	10	No.	Providing and supplying 65 mm dia, 15 mtr long or nearer fire hose pipe with brass couplings, made up of high strength rubber / synthetic fibres, lined with rubber strips manufactured by M/s. Newage Industries or equivalent confirming to IS 636 of 1990 for conveyance of potaable water to the vessels from the existing water supply points / hydrants, including supplying and connecting couplings and connecting and disconnecting the pipes, transportation to the location etc. complete as directed.	8,000.00	Each	80,000.00
TOTAL 'A'					Rs.	<b>6,167,528.00</b>

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

- 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 guidance of the tenderers.
- 3 The work is of top priority and the contractors are required to commence the work immediately upon work order /release of site.
- 4 No materials will be supplied to contractor by this Port Authority and contractor will have to make his arrangement for procurement of all material, tools etc. required for this work. The contractor will all material, tools, tackles, plant & equipment etc. in the tendered amount while quoting for the work.