

**SALEM CITY MUNICIPAL CORPORATION**

**TENDER SCHEDULE**

**Name of Contractor :**

**EMD Details**                **Rs.45,000 /-**

**Tender Date**                **08.07.2022**

**Name of Work**                **Repairs and Maintenance of O.H. Tank , Construction of Watchmen Toilet Room & Compound Wall Raising work to the Dadagapatty O.H.Tank in Division No: 54 Zone-IV**

**Est. No.**                        **E4/Est No: 523 / B /2021-2022**

**Estimate Cost**                **Rs.45,00,000.00**

1. The Quantities here given are those upon the lump sum tender cost of work is based, but they are subject to alterations, omissions, deductions or additions as provided for the conditions of the contract and do not necessarily show the actual quantities of work to be done. The unit rates are those governing payment for extracts or deductions for omissions according to the contract, as set forth in the preliminary specifications of the (Madras Detailed Standard Specifications) Tamil Nadu building practice and other conditions or specifications of the contract.

2. It is to be expressly understood that the measured work is to be taken nett (not with standing any custom or practice to the contrary) according to the actual quantities when in place and finished according to the drawing or as may be ordered from time to time by the Corporation Engineer and the cost calculated by measurement of weight, of the respective prices, with out additional charge for any necessary contingent works connected herewith. The Rates quoted are for works in 'situ' and complete in every respect.

3. The work must be completed with in    Days/Month from the date of receipt of acceptance of this tender.

Item	Probable Quantity		Description of Work	Rate		Unit in	Amount in
	No	Figures	Units	Words	Figures	Words	Figure
1			Providing two legged scaffolding S.I.153.Providing two legged scaffolding using 15cm dia-meter blue-gum posts or casurina posts or best qualitybamboo posts of 4m overall length (3m height + 0.5m.in to the ground +0.5m projection) the distance between the two rows being 1.25m, and the spacing of posts being 2m, in both the rows with two horizontal posts with 0.5m overlap on either side and braces at 2m, c/c including longitudinal and transverse middle braces to step up and providing a platform with country wood planks of 40mm, thick and 1m width, etc., in a complete form using coir and nails - 1m. Run.				
	390.00	m2	Tank side all round Up to 3.00 m Height			m2	
	325.00	m2	Tank side all round Up to 5.50 m Height			m2	
	325.00	m2	Tank side all round Up to 8.00 m Height			m2	

	325.00	m2	Tank side all round Up to 10.50 m Height			m2	
2	7.00	m3	Dismantling the existing damaged Brick masonry in cement mortar including removing the debris and stacking the useful materials at work site and reuse the same as directed by the departmental officers etc., complete as per standard specification.			m3	
4	20.00	m3	Conveyance of excavated excess earth to a lead of 0 to 2 Km including cost for loading transporting unloading and spreading in low lying area including stacking to departmental metric gauge for pre-measurements as directed by the departmental Officers etc., complete as per standard specification.			m3	
5	146.00	m3	Earthwork Excavation for foundation in all types of soils and sub soils including soft disintegrated rock and soft rock to the full depth including all leads and lifts etc., complete complying with the standard specification, drawing and as directed by the departmental Engineers.			m3	
6	19.00	m3	Supplying and filling with approved quality of Sand to filling in foundation and basement and filling the site in layers of not more than 15cm thick etc., complete. Complying with standard specifications and drawings and as directed by departmental Engineers			m3	

7	27.00	m3	Cement concrete of mix 1:4:8 (one cement –four sand – eight broken stone) using Hard broken granite stone jelly of 40 mm gauge for foundation leveling course, standard specifications and drawings and has directed by departmental Engineers. Including cost and conveyance of all materials to working site, laying concrete and curing etc.			m3	
8			Supplying and erecting in the position of MS sheets including necessary supports for plane surfaces using MS Sheets of size 90cm x 60cm and or suitable shifted with welded mild steel angles of size 25mm x 25mm x 3mm for boarding laid over silver oak (country wood) joints of size 10cm x 6.5cm, complete complying with standard specification below Ground level.				
	47.00	m2	a). Square Columns & Sunshade			m2	
	17.00	m2	b) Lintel, Beam & Roof Slab			m2	
	444.00	m2	c) Centering without strutting below 1m height			m2	

9	1400.00	Kg	Supplying, fabricating and placing in position mild steel or tar steel bars for all reinforced cement concrete items of work including cost of steel transporting, straightening, cutting, bending, cranking, blinding, welding etc. including cost of MS or RTS rod and binding wire, all labour and materials complete Complying with standard specifications and drawings and has directed by departmental Engineers.			Kg	
10	14.00	m3	Providing and laying in position, standardized concrete mix M-20 Grade in accordance with IS 456-2000,using 20mm and downgraded hard broken granite stone jelly for all RCC items of works with minimum cement concrete of 325kg/M3 and maximum water cement ratio of 0.55, including admixture (plasticizer/super plasticizer) in recommended proportions as per IS :9103 to accelerate ,retard setting of concrete , improve workability without preparing strength and durability with about ( 5 cu.m) 7730 kg of 20mm machine crushed stone jelly and with about (3.30cu.m) 5156 kg of 10-12mm machine crushed stone jelly and with about (4.79cu.m) 7670kg of sand, but excluding cost of reinforcement grill and fabricating charges , centering and shuttering and also including laying , vibrating with mechanical vibrators ,finishing curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming etc., complete			m3	

11	52.00	m3	Brick work in cement mortar 1:5 (one cement five sand) using best quality country bricks including cost and conveyance of all materials to working site in super sector curing etc. complete. Complying with standard specifications and has directed by departmental Engineers. Including cost and conveyance of all materials to working site etc.			m3	
12	100.00	Rm	Providing barbed wire fencing using 10.00 gauge 2 ply 4 pronged galvanised barbed wire 5 rows in horizontal ways and 30cm C/C on vertical ways 1.75m height tying with necessary binding wire etc.			Rm	
13	620.00	Kg	Supplying and fixing MS grill to doors windows and ventilators etc. using 20mm x 6mm as directed by the departmental officers inclusive of cost of MS grill and labour charges including one coat of red oxide and fixing in position etc. complete (as per schedule of rates) as per standard specification			Kg	
14			Supplying and fixing in position of GI Steel Shutters for doors to Required size and Shape using 20Gauge GI steel and 45x45x5mm MS Angle for Frame with 25x6mm flats for diagonal including cost of cutting bending welding riveting etc. including hinges and tower bolts locking arrangements etc., with one coat of primer etc.				

	4.00	Each	Room Door (1.00x2.10m)			Each	
	5.00	Each	Window( 0.90 x 1.20m)			Each	
15	50.00	m3	Plain cement concrete 1:2:4 mix (One cement two sand and four aggregate) using 20mm size ISS gauge HBBG metal including mixing, laying, consolidating, curing, cost and conveyance of all materials to site and all labour charges etc., complete as per standard specification			m3	
16	695.00	m3	Collection,supply and filling of Well gravel from approved quarry to work site and stocking to the Departmental gauge for premeasurement as directed by the Departmental Engineer, to required depth not more than 15cm depth including cost and Conveyance of gravel to site and all labour charges for filling etc., Complete complying with Standard Specification			m3	
17	80.00	m2	Roofing with Pre painted Galavalume sheet 0.47mm thick with necessary bolt and nuts and washers including allmaterials and labour charges etc complete			m2	

18	100.00	m3	Plastering with cement mortar 1:3 (one cement Threee sand) 20 mm thick etc., Complete.			m3	
19	29.00	m2	Special Plastering with cement mortar 1:3 (one cement Threee sand) 10 mm thick etc., Complete.			m2	
20	825.00	m2	Plastering with cement mortar 1:5 (one cement five sand) 12 mm thick etc., Complete.			m2	
21	364.00	m2	Supplying and laying Rubberised interlocking Paver block M40 grade 83mm thick high strength type conforming IS 15658-2006 of rubberized interlocking paver lock in size of minimum compressive strength of 40N/mm2 in uniform shape of approved make to be laid in flurring bone pattern with stone dust cushion below the uniform shap of approved non skitting surface in the top and the rate including levelling the base preparation of pavers as sub base, stone dust cushion 150mm thick laying out of pavement cut the pieces to fix the edge vibring the pavers,sweeping tranporting loading unloading of laying paver block as per standard specification,.			m2	



22	1.00	m2	Supply and fixing in position of European water closet with 'S' (or) 'P' trap of approved color and quality with double flapped rigid PVC sheet cover the CP brass hinges etc., complete complying with standard specification including supply and fixing in position of 10litre capacity glazed porcelain low level flushing tank on wall including 2 Nos of 15mm & brass nipple, 15mm dia PVC brass connection, 15mm dia GI wheel value, 15mm dia Nylon connection and giving necessary water supply connection etc., complete complying with standard specification			m2	
23	823.00	m2	White washing two coats using shell lime including cost and conveyance of shell lime etc.			m2	
24	2030.00	m2	Painting two coats with ready mixed plastic emulsion paint of 1st class quality and of approved color over a priming coat including through scraping clean removal of dirt etc., complete and including necessary plaster of paris putty wherever required			m2	
25	45.00	m2	Painting two coats with best approved quality colour enamel paint for new Iron Works excluding priming coat including cost and conveyance of enamel paint etc.			m2	

26	56.00	m2	Painting two coats with best synthetic enamel paint of approved Colour for old wood work the rate is inclusive of all materials, brushes and scaffolding charges etc., complete complying with standard specification(paint should be got approved by the Departmental Engineer before use on work.			m2	
27	4.00	m2	Supply and Fixing in Position of 50mm Thick Cudappah Stones etc., Complete.			m2	
28			Supply and Fixing of the Following Pipes and Specials etc., Complete.				
	6.00	Rm	110mm Dia PVC Pipe			Rm	
	2.00	Each	110mm Dia PVC Tee			Each	
	2.00	Each	110mm Dia PVC Elbow			Each	

29	1.00	Each	Supplying and fixing in position best quality approved make white glazed earthen ware wash hand basin size 550mm x 400mm with a pair of cast iron brackets including cost of 15mm Φ brass chromium plated pillar tap, 32mm Φ C.P. waste, 32mm Φ PVC waste pipe with rubber plugs and chain, 15mm Φ G.M. Wheel valve 15mm Φ brass nipple, 15mm Φ Nylon connections etc. Including fixing the wash hand basin in the wall in position with a pair of C.I. Brackets with teak wood plugs and screws and giving necessary water supply connection and painting the brackets with two coats of paint over a priming coat of anticorrosive paint including testing for leakage etc. complete as per standard specifications.			Each	
30	2.00	Each	Supply & fixing in position of Indian make white glazed earthenware lipped mouth porcelain flat back urinal with all accessories such as 32mm dia bell mouth PVC connection, 15mm dia GM wheel valve, fixing the urinal to the wall in position with necessary TW plugs, clamps, screws, shellac etc including dismantling brick masonry if necessary and making good of the disturbed portion to original condition, fixing 15mm GI pipe connection and wheel valve, painting the pipe with two coats of approved paint over one coat of primer and check without any leakage etc. complete complying with std. specifications and as directed by dept. officers. (the Urinal should got approved by the Exe. Engineer before use on works)			Each	

31	3.00	m2	R.C.C Jally size 0.60 x 0.60m including cost and conveyance of sand at site and all labour charges and other incidental charges etc., complete complying with std specification.			m2	
32	10.00	Point	Wiring with 2 x 2.5 sq mm (22/0.3) PVC unsheathed sc unsheathed Copper Conductor Cable of 1100V grade in suitable heavy gauge PVC Rigid Conduit Pipe in wall and ceiling with PVC accessories with MS Switch Box in flush wall with 5A FT Switch with 3mm thick hylum sheet cover TW Switch Box with continuous earth wire connection of 14 SWG TC wire and making good of the concealed Portion with Suitable Colour for Consealed Light Point			Point	
33	2.00	Nos	Supply and fixing of 5A 3-Pin and 2 Pin combined flush type wall Socket with 5A flush type Switch on Suitable T.W. box			Nos	
34	7.00	Nos	Supply and fixing of single box type 4'40 W flu fitting complete with copper choke and condensers with T.W. round blocks on wall or ceiling with flu tube with PVC unsheathed leads from terminal to the fitting.			Nos	
35	2.00	Nos	Supply and Fixing of 1200mm AC Ceiling Fan Complete with Regulator etc., Complete.			Nos	

36	10.00	m2	Flooring with Ceramic tiles 305mm x 305 mm size laid in cm 1:3:10 mm thick and pointed WM white cement 0.40 kg / m2 including finishing the joint and pointing flush tiles surface			m2	
37	36.00	m2	Dadoing walls with glazed tiles of 30cm X20cmX 6mm (company) size laid in cements mortar 1:2, 12 mm thick and pointing with white cement using 0.40 Kg/m2 including finishing the joint and pointing flush with tiles surface etc., complete			m2	
38			Supply and delivery of following Pipes and Specails				
	6.00	Rm	32mm GI Pipe			Rm	
	3.00	Nos	32mm GI Elbow			Nos	

	6.00	Nos	32mm GI Bend			Nos	
	5.00	Nos	32mm GI Coupling			Nos	
	2.00	Nos	32mm GI Tee			Nos	
	3.00	Nos	32mm x 20mm GI Reducer			Nos	
	10.00	Rm	20 mm GI Pipe			Rm	
	3.00	Nos	20 mm GI Elbow			Nos	

	2.00	Nos	20 mm GI Bend			Nos	
	5.00	Nos	20 mm GI Coupling			Nos	
	2.00	Nos	20 mm GI Tee			Nos	
	1.00	Nos	32mm GM Gate Valve			Nos	
	1.00	Nos	20mm Gm Gate Valve			Nos	
	1.00	Nos	1000 Lit Capacity HDPE Tank			Nos	

	1.00	Nos	400mm DI Sluice valve Long body			Nos	
	232.00	Kg	400mm DI Flange socket			Kg	
39	2.00	Nos	R.C.C. Inside ladder should be made of two ribs of size 0.075 x 0.075 at 30mm c/c. The concrete should be of M20, 8mm RTS rod 4 nos. For ribs with 8mm RTS stirrups at 30cm c/c and 8mm RTS 2 nos. For steps with 4 Nos. rods as distribution including cost all etc., complete			Nos	
40	2.00	Nos	Supplying and fixing in position of 0.60 x 0.60 m size water tight C.I. Manhole frame with cover of approved pattern at the roof slab including the cost of men & materials complying with standard specification and as directed by the officers.			Nos	
41	8.00	Rm	Supply and run of 2 of 4 Sq.mm. (56/0.3) PVC insulated SC unsheathed cu. conductor of 1100V on 7/20 G.I. bearer wire for service connection mains.(SD49)			Rm	