

SALEM CITY MUNICIPAL CORPORATION

TENDER SCHEDULE

Name of Contractor :

EMD Details **Rs. 36,280**

Tender Date **22.07.2022**

Name of Work **Construction of Public Toilet (7+7Seats) at Kondalampatty Bye-Pass in Division No:51, Zone-IV, Salem Corporation.**

Est. No. **E3/Est No:528/ B /2021-2022**

Estimate Cost **Rs.36,28,000.00**

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				Earth work excavation for foundation in ordinary soil, light black cotton sandy loam and dry silt including shoring, strutting, baling or pumping out water wherever necessary and refilling the sides of foundation with excavated earth in layers of 15cm thick and depositing the surplus earth at places as directed by the departmental officers with initial lead and lift.			
	95.00	m3	a). Narrow Foundation			m3	
	100.00	m3	b). Open Foundation			m3	
	5.00	m3	c). Grade Beam			m3	
2	20.00	m3	Collection,supply and filling of sand 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 sand to site and all labour charges for filling etc., Complete complying with Standard Specification			m3	

3	25.00	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 Including cost and conveyance of all materials to working site, laying concrete and curing etc.			m3	
4	3900.00	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			Kg	
5			Reinforced cement concrete 1:1½:3 mix (One cement one and half sand three aggregate) using 20mm ISS gauge HBBG metal from the approved quarry including mixing, laying, consolidating, curing cost and conveyance of all materials to site and all labour charges etc., complete as per standard specification				
	30.00	m3	a). Foundation Basement			m3	

	9.00	m3	b. Ground Floor			m3	
6			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				
	47.00	m2	a). Square Columns			m2	
	71.00	m2	b). With out Strutting			m2	
	100.00	m2	c). Slab & Beam			m2	

7			Brick work in cement mortar 1:5 mix using Fly Ash bricks of 230x110x70mm (8 3/4" x 4 1/4" x 2 3/4") from approved quarry including cost and conveyance of all materials to site. Loading and unloading charges and labour charges for mixing, laying and curing etc. complete. Complying with std. specifications				
	40.00	m3	a). Foundation & Basement			m3	
	43.00		b). Ground Floor				
8	400.00	Kg	Supplying and fixing MS grill to doors windows and ventilators etc. 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			Kg	
9	50.00	m3	Providing Gravel filling including cost and conveyance of Gravel from approved quarry to work site and stacking to departmental gauge for pre measurement including labour for spreading etc., complete.			m3	

10	6.00	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	
11	285.00	m2	Plastering with cement mortar 1:3 mix, 20mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete., complying with std. specifications			m2	
12	50.00	m2	Special Ceiling Plastering for RCC slabs and beams with cement mortar 1:3 mix 10mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete . complying with std. specifications.			m2	
13	510.00	m2	Plastering with cement mortar 1:5 mix, 12mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete . complying with std. specifications			m2	
14	225.00	m2	Dadoing the walls with galzed tiles of size 200 x 200 x 6mm thick laid in cement mortar 1:2 mix 10mm thick and pointing with white cement using 0.40 kg./cm2 including finishing the joint and pointing flush with tile surface etc.			m2	

15	90.00	m2	Flooring with ceramic tiles of approved Colour and quality of size 305mm x 305mm x 6mm laid first quality design of all colours in cement mortar 1:3 mix, 20mm thick and pointing with the same mortar etc., completely and finish very neatly			m2	
16	4.00	Nos	Supplying and fixing in position White / Colour Glazed Model Floor Mounted European Water Closet of best quality and approved make with 100mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelain low level flushing tank with a pair of CI brackets, etc., complete with all fittings, such as, 15mm brass ball valve with polythene float with brass handle, union coupling connected by means of 40mm white PVC flush hand using indian adopter joint including all internal fittings, such as, 15mm brass connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition, etc., complete complying with standard specifications. (The EWC and flushing tank with all accessories should be got approved by the Executive Engineer before use on works)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 (PWD SOR Page-56)			Nos	

17	10.00	Nos	Supplying and fixing in position Indian water closet of size 580 X 440mm, white glazed earthen ware of approved quality with 'P' trap or 'S' trap confirming to IS:2556 - Part XII with sand cushion and forming flooring around the closet using 40mm broken brick jelly in lime concrete 1:2:5 (one part of lime, two parts of sand and five parts of brick jelly) 100mm thick and finishing the top to required slope and including giving necessary connection to cast iron soil pipes/ PVC pipes by dismantling brick masonry, reinforced cement concrete roof/floor slab and making good the disturbed portion to original condition without leakage etc., complete complying with standard specifications and as directed by the departmental officers.			Nos	
18	4.00	Nos	Supplying and fixing of White Glazed Porcelain Oval Shape Special Type Urinal of size 382 x 398 x 601mm etc., complete complying with standard specifications and as directed by the departmental officers.			Nos	

19	25.00	m2	<p>Providing UPVC (Un-Plasticized Polyvinyl Chloride) Door: Providing and fixing casement doors fabricated from un-plasticized polyvinyl chloride (uPVC) sections. Profiles: The profiles should be three chamber system which provides high insulation properties with outer frame 60mm x 55mm with an outer wall thickness of 2.4mm. The window unit should be designed with all corner joints mitred and fusion welded. Windows should be steel reinforced with 25 x 24 x 25mm steel reinforcement with a thickness of 1mm to have dimensional stability. The sash should be of 60 x 102mm. The mullion should be of 60 x 74mm. The profiles should have co-extruded seals. Hardware: All the hardware like friction stays, handles should be screwed with self tapping screws. The handles, locks should be designed so that they cannot be released from outside. Glazing: The window system should be glazed with 5mm plain float glass / 6mm bison lam Installation: The profiles should be cut to length and welded 45 degrees. The window should be designed such that the water drainage does not pass through the reinforcement chamber. The window system should be fixed directly to the plastered brick wall using self expanding nylon plug and driving ms electroplated screws into plug.</p>			m2	
20	4.00	m2	<p>UPVC Ventilator Specification: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work</p>			m2	

21	50.00	Rm	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase near wet riser using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick will be provided with tubular supports made of 304L Grade Stainless Steel pipe of 25mm dia of 1.60mm thick welded to the railing. The supports will be grouted into the wall and provided with 93.00mm thick Stainless Steel circular base plate of 304 Grade. The rate shall included for grouting into concrete with necessary supporting arrangements the hand rail in floor polishing buffing, bonding, cutting, grinding, conveyance, welding charges, electrical charges, etc. complete			Rm	
22	23.00	m2	Supplying and fixing of Cudappa slab of 50mm thick for Cup board including cost of materials and labour etc complete			m2	
23	220.00	m2	Painting two coats with ready mixed Plastic Emulsion Paint approved quality and colour over a priming coat, including thorough scrapping, clean removal of dirt, etc complete and including necessary plaster of paris, putty, wherever required etc, complete as per standard specification. - 10 sq.m			m2	

24	10.00	m2	Painting two coats with best synthetic enamel paint of approved Colour for new iron works 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	
25	30.00	Nos	Wiring with 2 x 1.5 sqmm (22 / 0.3) PVC insulated SC unsheathed Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T switch with continuous earth wire connection of 14 SWG TC wire for making good of the concealed portion with suitable colour for PVC concealed light point / Fan point (For electronic regulator). (SD-24)			Nos	
26	2.00	Nos	Wiring with 2x1.5sqmm (22/0.3) PVC insulated SC unsheathed Cu. Conductor of 1100 V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with 150 x 100 x for open PVC plug point. inter locking CS plug with painting of suitable colour with continuous earth wire connection of 14 SWG TC wire for PVC Plug Point (SD-36)			Nos	
27	2.00	Nos	Wiring with 2X 1.5 sqmm (22/0.3) PVC insulated Sc unsheathed Cu. Conductor of 1100V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories and with 150x100x113mm TW switch box and 15A 3 pin non inter locking CS plug with painting of suitable color with continuous earth wire connection of 14SWG TC wire for concealed Power plug point (SD-38)			Nos	
28	10.00	Nos	Supply and fixing of single box type 4'x18w crystal glass LED Tube light with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting. (SD-88)			Nos	

29	1.00	Nos	Supply and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 1meter down rod on the existing clamp. (SD-107)			Nos	
30	14.00	Nos	Supply and Fixing of WT Bulk Head Fitting with guard (Philips / Bajaj / K. Lite) Suitable for 11W CFL Lamp with CFL (SD-83)			Nos	
31	5.00	Nos	Supply and Fixing of 48w Outdoor LED Street Light Fitting (PWD SOR 17-b)			Nos	
32	30.00	Rm	Supply and laying of 31/2 x 25 sqmm pvc armoured LTUG Cable in a trench to be excavated at a depth of 0.75m putting 0.150 layer of sand and covering the cable completely (SD-204)			Rm	

33	1.00	Nos	Supply and fixing of TNEB Meter Board suitable for 3 Phases 200A service connection made up of suitable angle iron frame work of size 3 feet x 2 feet using angle iron of size 1 1/2" x 1 1/2" x 1/4" rigidly fixed on wall covered with hylem sheet of size 3 feet x 2 feet of 12mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos 200A fuse units (500V) 1 No. Neutral link, copper earth flat of size 1" x 1/4" with inter connection of EB meter to fuse units by 19/16 PVC insulated copper wire with earth connection complete - SD 131			Nos	
34	1.00	Nos	Geological investigation charges preparation of geological survey report etc., complete			Nos	
35			Drilling of 150mm Dia bore well in hard rock area including labour charges for drilling and development charges for erection of casing pipe in over burden soils all cost and conveyance etc., complete				
	24.00	Rm	a). Drilling of 150mm Dia Bore wells in overburden soil including labour charges for insertion of casing pipes.			Rm	

	156.00	Rm	b). Drilling of 150mm Dia Bore wells in hard rock areas including transportation to the work site in hard rock areas and developing the bore wells			Rm	
36	1.00	Nos	Supply and fixing of 2HP Single phase Submersible Pumpset (20x150) as per 8034/2002 without panel board etc. complete			Nos	
37	1.00	Nos	Supply and delivery of direct online starter confirming to IS13947 and IEC60947- suitable KW rating for operation in AC/single Phase / 50HZ($\pm 5\%$) and 230V($\pm 10\%$) including Ammeter, Voltmeter, Thermal Over load relay, 16Amps 2pole Magnetic Contactor with under Voltage protection, Indication lamp, starting capacitor, running capacitor and On/Off Push button switches, 5way connector, wiring with 1sq.mm/1.5sq.mm copper PVC insulated cable, powder coated vermin proof box including the capacitor (the cost of capacitor is to be taken separately).			Nos	

38			Supplying and fixing in position P.V.C. specials such as plain bend, door bend, plain tee, door tee, offsets, Y-junction, plain or with door of various sizes best quality confirming to I.S.S and providing leakproof joints including fixing to wall and giving connection to the P.V.C, soil stacks, dismantling the brick masonry or R.C.C. floor or Roof slab and redoing the dismantled portion to original condition etc., complete complying with standard specifications. As per IS 4985 / 2000 and IS 10124 / 1982 Part II				
	60.00	Rm	160mm Dia PVC Pipe 6 Ksc (IS 4985 / 2000)			Rm	
	6.00	Nos	160mm Dia PVC Elbow (IS 10124 / 1982)			Nos	
	6.00	Nos	160mm Dia PVC Tee (IS 10124 / 1982)			Nos	

	6.00	Nos	160mm Dia PVC Bend (IS 10124 / 1982)			Nos	
	60.00	Rm	110mm Dia PVC Pipe 6 Ksc (IS 4985 / 2000)			Rm	
	12.00	Nos	110mm Dia PVC Elbow (IS 10124 / 1982)			Nos	
	12.00	Nos	110mm Dia PVC Tee (IS 10124 / 1982)			Nos	

	12.00	Nos	110mm Dia PVC Bend (IS 10124 / 1982)			Nos	
	60.00	Rm	90mm Dia PVC Pipe 6 Ksc (IS 4985 / 2000)			Rm	
	12.00	Nos	90mm Dia PVC Elbow (IS 10124 / 1982)			Nos	

	12.00	Nos	90mm Dia PVC Tee (IS 10124 / 1982)			Nos	
	12.00	Nos	90mm Dia PVC Bend (IS 10124 / 1982)			Nos	
39			Supplying laying and jointing G.I. Pipes of approved quality and best variety of B Class pipe of the following sizes including fixing G.I specials but excluding cost of such specials cutting threading of pipes and fixing to wall with necessary teak wood plugs, clamps and screws masking holes on the wall or drilling holes in roof and making good the dismantled portions to original conditions with necessary brick work and concrete and plastering where ever necessary with necessary scaffolding charges. The pipes are to be painted with two coats of good variety and best approved quality of synthetic enamel paint over a priming coat of red-oxide primer etc., complete. As per IS 1239/PART I/90, IS 1239/PART II and BS 5154 and related IS Specs				

	24.00	Rm	150mm CS Casing PVC Pipe			Rm	
	200.00	Rm	32mm HDPE Hose			Rm	
	2.00	Nos	32 mm Bore Clamp Set			Nos	
	200.00	Rm	Nylon rope 10mm thick			Rm	
	240.00	Rm	2.5 Sq.mm copper cable			Rm	

	1.00	No	160mm PVC End cap			No	
	2.00	No	2000 Liter HDPE Tank			No	
	90.00	Rm	25mm Dia GI Pipe (IS 1239 / Part-I / 90)			Rm	
	15.00	No	25mm Dia GI Coupling (IS 1239 / Part-II)			No	
	15.00	No	25mm Dia GI Elbow (IS 1239 / Part-II)			No	

	15.00	No	25mm Dia GI Tee (IS 1239 / Part-II)			No	
	5.00	No	25mm Dia GM Gate Valve (BS 5154 and related spec)			No	
	60.00	Rm	20mm Dia GI Pipe (IS 1239 / Part-I / 90)			Rm	
	10.00	No	20mm Dia GI Coupling (IS 1239 / Part-II)			No	
	10.00	No	20mm Dia GI Elbow (IS 1239 / Part-II)			No	

	10.00	No	20mm Dia GI Tee (IS 1239 / Part-II)			No	
	2.00	No	20mm Dia GM Gate Valve (BS 5154 and related spec)			No	
	30.00	Rm	15mm Dia GI Pipe (IS 1239 / Part-I / 90)			Rm	
	24.00	No	15mm Dia GI Coupling (IS 1239 / Part-II)			No	
	24.00	No	15mm Dia GI Elbow (IS 1239 / Part-II)			No	

	24.00	No	15mm Dia GI Tee (IS 1239 / Part-II)			No	
	20.00	No	15mm.dia C.P pillar tap			No	
	6.00	No	Floor Trap with stainless Steel Gratings - 100 mm x 75 mm			No	