

SALEM CITY MUNICIPAL CORPORATION

TENDER SCHEDULE

Name of Contractor :

EMD Details **Rs.35,000 /-**

Tender Date **08.07.2022**

Name of Work **Proposed Construction of Community Toilets at Kollampattarai in Div No: 45, Zone - IV , in Salem Corporation**

Est. No. **E4/Est No: 522 / B /2021-2022**

Estimate Cost **Rs.35,00,000.00**

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 | 102.00 | m3 | Earth work excavation for foundation in hard stiff clay, stiff black cotton, hard red earth, shabs murams and ordinary gravel and hard dravel 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 | | | 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 | 20.00 | m3 | Plain cement concrete 1:4:8 mix (One cement four sand and eight aggregate) using 40mm 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 | |

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|---|-------|----|--|--|--|----|--|
| 4 | | | Supplying and erecting centering to sides and soffits including supports and strutting for drainage sides and culvert body wall sides using M.S Sheets of size 90cm x 60cm and B.G 10stifened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding laid over(silver oak joists) of size 10cm x 6.50cm spread at about 90cm including all labour charges and cost and conveyance of all materials to site etc. complete Complying with Standard Specification | | | | |
| | 45.00 | m2 | a). Columns Sides & Sunshade | | | m2 | |
| | 45.00 | m2 | b). Plinth Level Beam Sides | | | m2 | |
| | 50.00 | m2 | c). Plain Surface (Roof Slab) | | | m2 | |
| 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 | | | | |

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|---|---------|----|--|--|--|----|--|
| | 22.00 | m3 | a). Foundation Basement | | | m3 | |
| | 7.00 | m3 | b). Up to 4.50m Height | | | m3 | |
| 6 | 2030.00 | Kg | Supply and fabrication and placing in position of TMT steel rods to required size and length as directed by the departmental officers including cost of binding wire, cutting, bending and tying with proper position etc., including cost and conveyance of all materials to site and all labour charges etc., complete Complying with Standard Specification | | | Kg | |
| 7 | | | Brick Work in Cement Mortar 1:5 Mix (one cement, five sand) using new best II Class Bricks of size (9" x 4 3/8" 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 | | | | |
| | 18.00 | m3 | a). Up to Basement Level | | | m3 | |

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|----|--------|----|---|--|--|----|--|
| | 49.00 | m3 | b). Up to 4.50m Height | | | m3 | |
| 8 | 101.00 | 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 | |
| 9 | 2.00 | 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 | | | m3 | |
| 10 | 154.00 | 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 . | | | m2 | |
| 11 | 36.00 | 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 | |

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|----|--------|----|--|--|--|----|--|
| 12 | 167.00 | 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 | |
| 13 | 150.00 | 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 | | | Kg | |
| 14 | 5.00 | 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 | |
| 15 | 23.00 | m2 | Fabricating Supply and fixing and position of MS doors with single leave. The door outer frame will be 40x40x6mm MS angle, the shutter frame will be 35x35x6 mm, MS angle intermediate stiffner will be 35x35x6 mm with cross stiffner 25x 25x5 mm flats covered with 18 gauge M.S. sheet with necessary hinges, tower bolts, aldrop length 30mm and hold fast etc., complete with one coat red oxideprimer. | | | m2 | |

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|----|-------|------|--|--|--|------|--|
| 16 | 10.00 | Each | Supply and fixing in position of white glazed indian oriya type water closet 580 x 440mm size white glazed earthenware of approved quality with S or P trap confirming to IS: 2556-part XII with sand cushion and forming flooring around the closet using 40mm broken brick jelly in lime concrete 1:4:8 mix, 100mm thick using 20mm ISS gauge brick jelly and finished the top to required slop and including giving necessary connection to cast iron soil pipes by dismantling brick masonry, RCC/ floor slab and making good of the disturbed portion to original condition without leakage etc. complete complying with std. specifications and as directed by dept. officers. (the WC should get approved by the Exe. Engineer before use on works) | | | Each | |
| 17 | 2.00 | Each | 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 valve, 15mm dia Nylon connection and giving necessary water supply connection etc., complete complying with standard specification | | | Each | |

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|----|------|------|--|--|--|------|--|
| 18 | 2.00 | 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 | |
| 19 | 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 | |

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|----|--------|------|---|--|--|------|--|
| 20 | 2.00 | Each | Supplying and fixing in position Indian make bewelled edge mirror of approved quality and brand PVC / Fibre Glass framed of size 600mm x 450mm x 5.5mm with necessary plastic back PVC frame with bottom stand of approved colour with brass screws, Rawal plugs etc., complete as per standard specifications. | | | Each | |
| 21 | 15.00 | m2 | RCC 1:2:4 mix using 20mm ISS gauge HBBG chips for 100mm thick slab of the following thickness excluding cost of reinforcement grills in position but including moulding, casting, finishing and fixing in position etc., complete | | | m2 | |
| 22 | 131.00 | 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 | |
| 23 | 583.00 | m2 | Dadoing walls with Ceramic tiles of size 20cm x 20cm x 6mm first quality design tiles of all colours laid in cement mortar 1:2 mix, 10mm thick and pointing with white cement using 0.40 kg/1m2 including finishing the joint and pointing flush with tile surface etc., complete | | | m2 | |

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|----|--------|-------|--|--|--|-------|--|
| 24 | 36.00 | m2 | White washing two coats using best freshly burnt shell lime in all floors including cost of lime blue powder, fevical type gum brushes, scaffolding charges etc., complete complying with standard specifications. | | | m2 | |
| 25 | 167.00 | 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 | |
| 26 | 46.00 | 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 | |
| 27 | 22.00 | Point | 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 Metal switch box and 5A Ornamental Modular 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 - 3 | | | Point | |

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|----|-------|------|--|--|--|------|--|
| 28 | 2.00 | Each | Supply and Fixing of 5A 3Pin and Combined flush type wall socket with 5A flush type switch concealed in suitable MS Box in flush with wall and concealed with 3mm thick hylem sheet. SD - 135 | | | Each | |
| 29 | 2.00 | Each | Supply and fixing of single box type 4' 18W Crystal Glass LED Tube Light Fitting(Havells / Equivalent) complete with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting. | | | Each | |
| 30 | 12.00 | Each | Supply and Fixing of WT Bulk Head Fitting with guard (Philips / Bajaj / K. Lite) Suitable for 11W CFL Lamp with CFL (SD-83) | | | Each | |
| 31 | 4.00 | Each | Supply and fixing of 4' 40W twin street light fluorescent fitting complete with copper choke and condensor with 19mm dia GI pipe (Class 'B') with 1 No. 19mm GI bend complete on the existing post/wall with 16A aerial fuse unit on MS plate with PVC unsheathed copper lead with MS clamps and aluminium painting with fluorescent tubes SD 94 | | | Each | |

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|----|-------|------|---|--|--|------|--|
| 32 | 1.00 | Each | 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 106 | | | Each | |
| 33 | 2.00 | Each | Supply and delivery of 1000Liter Capacity HDPE tank as per IS 12701 / 1996 including loading, unloading, transportation and labour charges for fixing of the GI pipes and specials for pipe including cutting, threading and fixingconnection works charges etc., | | | Each | |
| 34 | | | Supply and Delivery of following specials with ISI making as per standard specifications (MEDIUM) | | | | |
| | 60.00 | Rm | 32 mm G.I. Pipe | | | Rm | |
| | 10.00 | Each | 32 mm Coupling | | | Each | |

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|--|-------|------|---------------------|--|--|------|--|
| | 20.00 | Each | 32mm GI Elbow | | | Each | |
| | 4.00 | Each | 32mm Gate valve | | | Each | |
| | 2.00 | Each | 32mm NR Valve | | | Each | |
| | 5.00 | Each | 32mm GI Bend | | | Each | |
| | 5.00 | Each | 32mm GI Union | | | Each | |
| | 5.00 | Each | 32mm GI B Nipple 6" | | | Each | |

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| | 2.00 | Each | 32mm HDPE Nipple | | | Each | |
| | 2.00 | Each | 32mm Dia Hex Nipple | | | Each | |
| | 3.00 | Each | 32Amps Fuse carrier [Elec V (b)] | | | Each | |
| | 1.00 | Each | Wooden meter board SD 127 | | | Each | |
| | 1.00 | Each | Earthing SD 233 | | | Each | |
| | 2.00 | Each | 7/18 GI Wire | | | Each | |

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|--|-------|------|--------------------------|--|--|------|--|
| | 20.00 | Rm | 7/20 Service cable SD 65 | | | Rm | |
| | 50.00 | Rm | 1" Dia GI Pipe | | | Rm | |
| | 6.00 | Each | 1" Dia GI Elbow | | | Each | |
| | 6.00 | Each | 1" Dia Union | | | Each | |
| | 2.00 | Each | 1" Dia Gate Valve | | | Each | |
| | 12.00 | Each | 1" x 3/4" GI Reducer | | | Each | |

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|--|-------|------|------------------------|--|--|------|--|
| | 80.00 | Rm | 3/4" Dia GI Pipe | | | Rm | |
| | 20.00 | Each | 3/4" Dia GI Elbow | | | Each | |
| | 20.00 | Each | 3/4" Dia GI Tee | | | Each | |
| | 8.00 | Each | 3/4" Dia Union | | | Each | |
| | 4.00 | Each | 3/4" Dia Gate Valve | | | Each | |
| | 16.00 | Each | 3/4" x 1/2" GI Reducer | | | Each | |

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|----|-------|------|--|--|--|------|--|
| | 16.00 | Each | CP Tap | | | Each | |
| | 2.00 | Each | Angle Valve | | | Each | |
| | 2.00 | Each | Special type Mirror of size 1000 x 780 mm | | | Each | |
| 35 | 13.50 | m3 | Dismantling the Existing Reinforced Cement Concrete Surface etc., Complete. | | | m3 | |
| 36 | 32.00 | m3 | Dismantling the Existing Brick Work Masonry in Cement Mortar etc., Complete. | | | m3 | |
| | | | Bore Well | | | | |
| 37 | 1.00 | Nos | Providing Geological survey to fix the borewell point | | | Nos | |

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| 38 | | | 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 | | | | |
| | 18.00 | Rm | a).Drilling of 150mm Dia Bore wells in overburden soil including labour charges for insertion of casing pipes. | | | Rm | |
| | 18.00 | Rm | b).Labour Charges for inserting PVC Casing pipes assembly (with slots or without slots) in the drilled hole including jointing the pipes with PVC Couplers with Cement paste etc., complete, supply and packing the annular space with pebbles of size and quality as approved by the executive engineers of TWAD Board | | | Rm | |
| | 150.00 | Rm | c).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 | |
| 39 | 18.00 | Rm | Supplying of best approved quality of PVC casing pipe of 180mm dia for bore well with socket end to suit bore well of required depth -10kgf/cm ² best approved quality with ISI mark with necessary PVC coupling etc. | | | Rm | |

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| 40 | 1.00 | Nos | Supplying and fixing of Borewell Cover PVC 180mm including all cost etc., complete | | | Nos | |
| 41 | 1.00 | Nos | a).FULLY AUTOMATIC AIR BREAK AUTO TRANSFORMER STARTER WITHSINGLE PHASING PREVENTOR WITH AMMETER CONFIRMING TO IS 8544Part IV WITH AUTO RESTART FACILITY | | | Nos | |
| | 1.00 | Nos | b).Supply and delivery of Three phase Submersible Motor pumpset as per IS 8034 with ISI standard specification, the Duty Condition are 50LPMx250m head etc. complete including all cost and conveyance etc. complete {TWAD SR P.No.98 Item.No.3.1/ Sl.no. 7} | | | Nos | |
| 42 | 1.00 | Nos | a).Supply and delivery Three Phase DBS 4 Way TPDB 63A/Way with fuse & Neutral link {TWAD SR P.No.180.Item.No.8(g)} | | | Nos | |
| | 3.00 | Nos | b).Supply and delivery of 63 amps Procolin Fuse unit {TWAD SR P.No.177.Item.No.(c)} | | | Nos | |

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| 43 | 1.00 | Nos | a).Supply and Delivery of Preventer - Dry run {TWAD SR P.No.135.SI.No.13} | | | Nos | |
| | 1.00 | Nos | b).Supply and Delivery of Single Phase Preventer {TWAD SR P.No.135.SI.No.12} | | | Nos | |
| 44 | 1.00 | Nos | Supply and Delivery of Miniature Circuit Breakers 240V/415 V 50 HZ AC Supply suitable for both lighting and motor circuits. Tribble Pole & Netural link 63A, 10KA {TWAD P.No.191 Item No.6 (k)} | | | Nos | |
| 45 | 280.00 | Rm | Supply and Delivery of PVC Insulated and Sheated 3 Core Flat type Copper Cable Confirming to IS 694/1990. 4.0 Sq.mm. {TWAD SR P.No.116. Item.No.12.1/SI.No.3} | | | Rm | |
| 46 | 142.00 | Rm | 40mm HDPE pipe suitable for submersible motor (1 MPa or 10 kg./cm2 pressure) {PWD SR P.No.104/SI.No.369 D(d)} | | | Rm | |

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|----|--------|-----|---|--|--|-----|--|
| 47 | 142.00 | Rm | Supplying and Delivery of 25mm Nylon rope for submersible motor of approved quality in etc.,complete complying with standard specifications. {PWD SR P.No.105/ SI.No.407} | | | Rm | |
| 48 | 1.00 | Nos | Labour charges for the erection of submersible pumpset in borewell/openwell including fixing and jointing submersible cable with proper clamps upto the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, Voltmeter, Ammeter, three pilot (indicating) lamps capacitor single phasing preventor, water level guard and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pumpset and trail run for 10 days. {TWAD SR P.No.287 Item No.17c (i)} | | | Nos | |
| 49 | 1.00 | Nos | TWIN CI EARTHING as per IS 3043/1987 and Latest amendments | | | Nos | |