

**SALEM CITY MUNICIPAL CORPORATION**

**TENDER SCHEDULE**

**Name of Contractor :**

**EMD Details**                      **Rs. 24,960.00**

**Tender Date**                      **22.07.2022**

**Name of Work**                      **Construction of Community Toilet (8+8Seats) in Division No:47 , Zone-III, Salem Corporation.**

**Est. No.**                              **E3/Est No:525/ B /2021-2022**

**Estimate Cost**                      **Rs.24,96,000.00**

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<br>No | Probable<br>Quantity |       | Description of Work   | Rate  |         | Unit in | Amount in |
|------------|----------------------|-------|---|-------|---------|---------|-----------|
|            | 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. |       |         |         |           |
|            | 71.00                | m3    | a). Narrow Foundation   |       |         | m3      |           |
|            | 43.00                | m3    | b). Open Foundation   |       |         | m3      |           |
|            | 5.00                 | m3    | c). Grade Beam  |       |         | m3      |           |

|   |         |    |   |  |  |    |  |
|---|---------|----|---|--|--|----|--|
| 2 | 18.00   | 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 | 19.00   | 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 | 2600.00 | 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 |  |  |    |  |
|   | 18.00 | m3 | a). Foundation Basement  |  |  | m3 |  |
|   | 8.00  | 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 |  |  |    |  |

|   |       |    |   |  |  |    |  |
|---|-------|----|---|--|--|----|--|
|   | 32.00 | m2 | a). Square Columns  |  |  | m2 |  |
|   | 49.00 | m2 | b). With out Strutting  |  |  | m2 |  |
|   | 78.00 | 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 |  |  |    |  |
|   | 23.00 | m3 | a). Foundation & Basement   |  |  | m3 |  |

|    |        |    |   |  |  |    |  |
|----|--------|----|---|--|--|----|--|
|    | 43.00  |    | b). Ground Floor  |  |  |    |  |
| 8  | 525.00 | 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  | 36.00  | 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 | 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 as per standard specification |  |  | m3 |  |

|    |        |    |   |  |  |    |  |
|----|--------|----|---|--|--|----|--|
| 11 | 166.00 | 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 | 53.00  | 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 | 490.00 | 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 | 150.00 | 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 | 6.00  | 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., |  |  | 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 | 3.00  | 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 | 29.00  | 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, aldorp length 30mm and hold fast etc., complete with one coat red oxideprimer. |  |  | m2 |  |
| 20 | 22.00  | m2 | Supplying and fixing of Cudappa slab of 50mm thick for Cup board including cost of materials and labour etc complete   |  |  | m2 |  |
| 21 | 250.00 | m2 | Painting two coats with approved cement paint over cement plastered surface ceiling and other new surface including cleaning prepering the surface and curing etc., complete   |  |  | m2 |  |

|    |       |     |   |  |  |     |  |
|----|-------|-----|---|--|--|-----|--|
| 22 | 42.00 | 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  |  |
| 23 | 24.00 | 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 |  |
| 24 | 1.00  | 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 |  |

|    |       |     |   |  |  |     |  |
|----|-------|-----|---|--|--|-----|--|
| 25 | 1.00  | 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 |  |
| 26 | 4.00  | 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 |  |
| 27 | 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 |  |
| 28 | 16.00 | 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 |  |

|    |       |     |  |  |  |     |  |
|----|-------|-----|--|--|--|-----|--|
| 29 | 3.00  | Nos | Supply and Fixing of 48w Outdoor LED Street Light Fitting (PWD SOR 17-b)   |  |  | Nos |  |
| 30 | 20.00 | 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  |  |
| 31 | 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 |  |

|    |        |     |  |  |  |     |  |
|----|--------|-----|--|--|--|-----|--|
| 32 | 1.00   | Nos | Geological investigation charges preparation of geological survey report etc., complete  |  |  | Nos |  |
| 33 |        |     | Drilling of 150mm Dia bore well in hard rock area in 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  |  |
|    | 132.00 | 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  |  |

|    |      |     |   |  |  |     |  |
|----|------|-----|---|--|--|-----|--|
| 34 | 1.00 | Nos | Supply and fixing of 2HP Single phase Submersible Pumpset (20x150) as per 8034/2002 without panel board etc. complete   |  |  | Nos |  |
| 35 | 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(±5%) and 230V(±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 |  |

|    |       |     |  |  |  |     |  |
|----|-------|-----|--|--|--|-----|--|
| 36 |       |     | 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 |  |  |     |  |
|    | 18.00 | 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 |  |
|  | 18.00 | Rm  | 110mm Dia PVC Pipe 6 Ksc (IS 4985 / 2000) |  |  | Rm  |  |

|  |      |     |                                       |  |  |     |  |
|--|------|-----|---------------------------------------|--|--|-----|--|
|  | 6.00 | Nos | 110mm Dia PVC Elbow (IS 10124 / 1982) |  |  | Nos |  |
|  | 6.00 | Nos | 110mm Dia PVC Tee (IS 10124 / 1982)   |  |  | Nos |  |
|  | 6.00 | Nos | 110mm Dia PVC Bend (IS 10124 / 1982)  |  |  | Nos |  |

|  |       |     |  |  |  |     |  |
|--|-------|-----|--|--|--|-----|--|
|  | 18.00 | Rm  | 90mm Dia PVC Pipe 6 Ksc (IS 4985 / 2000) |  |  | Rm  |  |
|  | 6.00  | Nos | 90mm Dia PVC Elbow (IS 10124 / 1982)     |  |  | Nos |  |
|  | 6.00  | Nos | 90mm Dia PVC Tee (IS 10124 / 1982)       |  |  | Nos |  |

|    |      |     |  |  |  |     |  |
|----|------|-----|--|--|--|-----|--|
|    | 6.00 | Nos | 90mm Dia PVC Bend (IS 10124 / 1982)  |  |  | Nos |  |
| 37 |      |     | 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 |  |  |     |  |

|  |        |     |                          |  |  |     |  |
|--|--------|-----|--------------------------|--|--|-----|--|
|  | 18.00  | Rm  | 150mm CS Casing PVC Pipe |  |  | Rm  |  |
|  | 150.00 | Rm  | 32mm HDPE Hose           |  |  | Rm  |  |
|  | 2.00   | Nos | 32 mm Bore Clamp Set     |  |  | Nos |  |
|  | 160.00 | Rm  | Nylon rope 10mm thick    |  |  | Rm  |  |

|  |        |    |  |  |  |    |  |
|--|--------|----|--|--|--|----|--|
|  | 160.00 | Rm | 2.5 Sq.mm copper cable                   |  |  | Rm |  |
|  | 1.00   | No | 160mm PVC End cap                        |  |  | No |  |
|  | 2.00   | No | 1000 Liter HDPE Tank                     |  |  | No |  |
|  | 30.00  | 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 |  |

|  |       |    |  |  |  |    |  |
|--|-------|----|--|--|--|----|--|
|  | 30.00 | 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 -<br>100 mm x 75 mm |  |  | No |  |