

SALEM CITY MUNICIPAL CORPORATION

TENDER SCHEDULE

Name of Contractor :

EMD Details **Rs.23,600/-**

Tender Date **26.07.2022**

Name of Work **Construction of Community Kitchen (Kalai Sitrundi Vazhagum Thittam) at Ranaga Nagar Near Ulavar Sandhai in Division No: 23 of Suramangalam Ward Office.**

Est. No. **E3/ Est No: 553/B/2021-2022**

Estimate Cost **Rs.23.60Lakhs**

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 No	Probable Quantity		Description of Work	Rate		Unit in	Amount in
	Figures	Units		Words	Figures	Words	Figure
1			Earth work excavation for foundation in hard stiff clay, stiff black cotton, hard red earth, shales 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				
	80.00	m3	a). Narrow Foundation			m3	
	38.00	m3	b). Open Excavation			m3	
2	14.00	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	24.00	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			m3	
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				
	26.00	m2	a). Square Columns			m2	
	44.00	m2	b). Grade Beam			m2	
	44.00	m2	c). Plain Surface			m2	

5	1870.00	Kg	Suppling and fabricating and placing in position MS (or) R.T.S. bar for reinforcement to all RCC works as per the design given including cost of steel and binding wire also in all floors.			Kg	
6			Providing and laying in position, standardized concrete mix M-20 grade in accordance with IS 456-2000, using 20mm and below graded hard granite stone jelly for all RCC items of works with minimum cement concrete of 325kg/m3 and maximum water content 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 cum) 7730 kg of 20mm machine crushed stone jelly with about (3.30 cum) 5156 kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670 kg of sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrator, finishing curing etc., complete complying with standard specifications and as directed by the departmental officers. The coarse and fine aggregates to be used should be comply with the requirements of IS standards (No separate payment will be made by the department for the excess usage of materials) charges.				

	19.00	m3	a). Foundation & Basement			m3	
	3.00	m3	b). Ground Floor			m3	
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				
	19.00	m3	a). Foundation & Basement			m3	
	34.00	m3	b). Ground Floor			m3	

8	29.00	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			m3	
9	380.00	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	
10	48.00	Rm	Supply and fixing of Stainless steel (Salem stainless steel) Door frame (Box section using stainless steel plate of 1.6mm thick) of size 100mm X 60mm with a rebate of 30 / 35mm X 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel holdfast etc.			Rm	

11	19.00	m2	<p>Providing of 35mm thick factory made pre-laminated ABS (Acrolonitrile Butadiene Styrene) Door Shutter moulded in different designs, consisting of all round frame made out of water proof solid foam PVC bar of size 20 x 32mm, reinforced by 32 x 32mm - 2 Nos., for vertical made out of LVL (Laminated Veneer Lumber), core material of 32mm thick high density craft paper honey comb board, sandwiched on both sides with pre-laminated ABS sheet thickness of 1.5mm. PVC edge banding of size 0.45mm on the vertical sides. Hardware made out of steel coated butterfly hinges - 3 Nos., for each shutter and ISI make SS round lock complete for finished item of work, complete complying with the standard specification. The door shutter and frame should be got approved from the Executive Engineer before use on work. (Plain Pre-laminated Door) PWD SOR Sl. No. 268-a</p>			m2	
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12	15.00	m2	<p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 25GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with spag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned.</p> <p>Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all around the frames. The window should be got approved from the executive Engineer before use on work</p>			m2	
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13	1.00	m2	Supplying and fixing UPVC (Un-Plasticized PolyvinylChloride) 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			m2	
14	11.00	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	
15	53.00	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	
16	372.00	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	

17	78.00	m2	Paving the floor with design Rajasthan kotta tiles (colour and shade as directed) of size 610 mm x 610mm x 20mm in all floors over a base layer of cement mortar 1:3 (one cement and three sand) 20mm thick laid in-situ and pointed with same coloured cement etc, complete as per standard specification			m2	
18	4.00	m2	Flooring with ceramic tiles of approved Colour and quality of size 305mm x 305mm x 6mm in cement mortar 1:3 mix, 20mm thick and pointing with the same mortar etc., completely and finish very neatly			m2	
19	19.00	m2	Dadoing walls with Ceramic tiles of size 305cm x 305cm 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	
20	37.00	m2	Laying the Flooring with Anti skid coloured ceramic tiles of sizes 200mm X200mm X 6mm size of approved make and quality and colour I Set in cement mortar 1:3 (one cement ,three sand) over 10 mm base layer plastering and pointing with white cement neatly as directed.			m2	

21	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 value, 15mm dia Nylon connection and giving necessary water supply connection etc., complete			Each	
22	1.00	Each	Supplying and fixing in position best quality approved make colour 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			Each	
23	307.00	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	16.00	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	20.00	Each	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-23)			Each	
26	12.00	Each	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)			Each	

27	6.00	Each	Wiring with 2x4 sqmm(56/0.3) PVC insulated SC unsheathed Cu.Conductor cable of 1100V grade in suitable pipe on wall and ceiling with PVC accessories with 150 mm x 100 mm x 63mm TW switch box for 15 A 3 pin non inter locking CS plug with painting of suitable colour, with continuous earth wire connection of 14 SWG TC wire for open PVC power plug point. (SD-39)			Each	
28	10.00	Each	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)			Each	
29	3.00	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-107)			Each	
30	2.00	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	2.00	Each	Supply and Fixing of 48w Outdoor LED Street Light Fitting (PWD SOR 17-b)			Each	
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	Each	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			Each	
34			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, dismading 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				

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

	5.00	Each	90mm Dia PVC Elbow (IS 10124 / 1982)			Each	
	5.00	Each	90mm Dia PVC Tee (IS 10124 / 1982)			Each	
	5.00	Each	90mm Dia PVC Bend (IS 10124 / 1982)			Each	
35			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				

	1.00	Each	2000 Liter HDPE Tank			Each	
	24.00	Rm	25mm Dia GI Pipe (IS 1239 / Part-I / 90)			Rm	
	5.00	Each	25mm Dia GI Coupling (IS 1239 / Part-II)			Each	
	5.00	Each	25mm Dia GI Elbow (IS 1239 / Part-II)			Each	
	5.00	Each	25mm Dia GI Tee (IS 1239 / Part-II)			Each	

	5.00	Each	25mm Dia GM Gate Valve (BS 5154 and related spec)			Each	
	20.00	Rm	20mm Dia GI Pipe (IS 1239 / Part-I / 90)			Rm	
	5.00	Each	20mm Dia GI Coupling (IS 1239 / Part-II)			Each	
	5.00	Each	20mm Dia GI Elbow (IS 1239 / Part-II)			Each	
	5.00	Each	20mm Dia GI Tee (IS 1239 / Part-II)			Each	

	2.00	Each	20mm Dia GM Gate Valve (BS 5154 and related spec)			Each	
	20.00	Rm	15mm Dia GI Pipe (IS 1239 / Part-I / 90)			Rm	
	10.00	Each	15mm Dia GI Coupling (IS 1239 / Part-II)			Each	
	10.00	Each	15mm Dia GI Elbow (IS 1239 / Part-II)			Each	
	10.00	Each	15mm Dia GI Tee (IS 1239 / Part-II)			Each	

	10.00	Each	15mm.dia C.P pillar tap			Each	
	2.00	Each	Floor Trap with stainless Steel Gratings - 100 mm x 75 mm			Each	
36	2200.00	Kg	Supplying, fabricating, erecting structural steel work for roofing welded or bolted type using MS channels, angles, plates and round bars etc. conforming to IS specification including primer coating and enamel painting as per Design given by the departmental officers etc, complete as per standard specification			Kg	

37	119.00	Sqm	<p>Fabricating, Supplying and fixing of Pre painted galvanised iron sheets with the following specification, the materials should be of PPGL tile profile with a red colour or any other approved design 0.47mm thick 24 guage having width 1050mm. The sheet should be GI base pre painted hot dipped galvanised iron sheet and to be fixed with shelf tapping screws, plastic washer. The washer and screws to be fixed by using minute power machine drilled without damaging the sheets paint coating to be regular modified polyster coat with zinc coating of Z 120 GSM paint thickness the finish should be terra cotta finish like malabar mangalore tiles frinish optional matt finish. The sheet to be fixed with making suitable corrugated, cutting the sheet into the required size and making ornamental designs as per the site condition and as directed by the departmental officers.</p>			Sqm	
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