

SALEM CITY MUNICIPAL CORPORATION

TENDER SCHEDULE

Name of Contractor :

EMD Details **Rs. 79,350**

Tender Date **13.05.2022**

Name of Work **Construction of Additional Class Room Building(G.F & F.F) at Gugai Moongapadi Corporation Girls Hr Sec School in Division No: 46 of Kondalampatty Ward Office.**

Est. No. **E3/Est No: 444 / B /2021-2022**

Estimate Cost **Rs.79,35,000.00**

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 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				
	255.00	m3	Column Footing			m3	
2	43.00	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	45.00	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				
	285.00	m2	a). Columns & Sunshade			m2	
	145.00	m2	b). Columns above 3.30m height			m2	

	560.50	m2	c). Grade Beam , Lintel Plain Surface			m2	
5	16620.00	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			<p>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.</p>				
	51.00	m3	a). Foundation & Basement			m3	

	45.00	m3	b). Ground Floor			m3	
	46.00	m3	c).First 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				
	14.00	m3	a). Foundation & Basement			m3	

	47.00	m3	b). Ground Floor			m3	
	45.00	m3	c).First Floor			m3	
	14.00	m3	d).Second Floor			m3	
8	93.00	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	1177.00	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	24.62	Rm	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails 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. PWD SOR 2020-21 Sl. No: 240			Rm	
11	33.60	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	

12	36.00	Rm	<p>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</p>			Rm	
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13	15.48	m2	<p>Providing of 35mm thick factory made pre-laminated ABS (Acrollynitrile 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 SI. No. 268-a</p>			m2	
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14	41.00	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. 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 round the frames. The window should be got approved from the executive Engineer before use on work</p>			m2	
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15	320.00	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	
16	1010.00	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	13.47	m3	Plain cement concrete 1:2:4 (one cement, two sand & four aggregates) mix using 10mm ISS gauge HBGG metal including cost of materials and all labour charges etc., complete and fixing broken glass pieces on concrete			m3	

18	180.00	m2	Finishing the top of roof with one course of solar Reflective ceramic tiles of size 305mm x 305mm x 7mm of approved quality set in Cement Mortar 1:3 (One Cement and Three Sand) and mixed with for 10m2/4kg epoxy compound conforming to ISS including curing etc., complete complying with standard specification and as directed by the departmental officers			m2	
19	320.00	m2	Paving the floor with Vitrified Marbonite tiles of approved quality and colour of size 600x600x8mm thick of approved make, quality and colour in all floors over a base layer of cement mortar 1:3(one cement three sand) 20mm thick and laid straight alignment and pointed neatly with colour cement at the rate of 0.40kg/m2 laid without any air gap in the tiles neatly and fixing in position as per standard specifications and as directed by the departmental officer. The colour & quality of tiles should be got approved by Municipal Engineer before use on work			m2	
20	50.00	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	1280.00	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	
22	48.00	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	21.00	Rm	Supplying and fixing 110mm dia PVC rain water down fall pipe including cost of pipe, shoe, bond, brackets, teakwood plugs, etc., complete			Rm	

24	21.00	m2	Roofing with Pre painted Galvalume sheet 0.47mm thick with necessary bolt and nuts and washers including all materials and labour charges etc complete			m2	
25	60.00	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	18.00	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	30.00	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	30.00	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	5.00	Each	Supply and Fixing of 48w Outdoor LED Street Light Fitting (PWD SOR 17-b)			Each	

31	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	
32	2.00	Each	Supply and fixng 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	