

SALEM CITY MUNICIPAL CORPORATION

TENDER SCHEDULE

Name of Contractor :

EMD Details **Rs.99,900.00**

Tender Date **17.06.2022**

Name of Work **Construction of Unit Administrative Office Building (GF) to the Anna Park Campus at Omalur Main Road in Division No: 14 of Hasthampatty Ward Office.**

Est. No. **E3 / Est.No. 480 / B / 2021-2022**

Estimate Cost **Rs.99,90,000.00**

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	120.00	cu.m	Earth work excavation for foundation in Hard stiff clay, stiff black cotton, hard red earth, shales murrum, gravel, stoney earth and earth mixed with small size boulders SS.20B and Sand, silt or other loose soil, wet sand, or silt not under water, light black cotton soil, sandy loam ordinary soil and to full depth as may be directed except in hardrock requiring blasting inclusive of shoring shuttering and baling out water and cleaning and levelling the site etc., complete 10 cum			cu.m	
2	104.00	cu.m	Earth work open excavation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 mts. within the compound in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification.			cu.m	
3	17.00	cu.m	Plain Cement Concrete 1:4:8 (one cement, five four aggregates and eight coarse aggregates) using 40mm size ISS HBG metal including cost and conveyance of all materials to site and including for the mixing, laying and labour charges etc., complete as per standard specification			cu.m	
4	2.00	Nos	Installation charges inclusive of Transportation to site and the bored pile equipment employed for the works including setting up of pile driving equipment with all accessories and tools at each of the pile location based on the sequence of operation approved by the departmental Engineers irrespective of the location and distance involved in movement of pile driving equipment etc., complete.			Nos	

5			<p>Installation of Vertical Bored cast in situ RCC piles in all types of soils, using Standardised Concrete Mix M25 grade, with sulphate resistant Cement, fine aggregate, 20mm and down graded HBGS jelly coares aggregate. The rate includes cost of reinforcing steel, binding wire, fabrication, welding charges, placing of reinforcement cage in bore hole in correct position, cost of boring to the required depth with Bentonite solution with temprory casing of required length, conveyance of RMC to site and pouring concrete using Tremine pipes, conveyance of all materials to the site including all tools and plants, shifting the plants and equipments from one point to another, excavation of mud pits for circulation of Bentonite soultion, closing the mud pits to original level and mud removal with initial lead and lift but including dismanteling the concrete above the cut off level etc complete as directed by the departmental officers including socketing. The reinforcement cage should be welded properly for lifting. The concrete cubes to be tested as per IS 456-2000. Acceptance criteria by clause 16.1. Frequency of testing as per 15.2.2. Testing to be conducted at both the ends at site as well as RMC plant. Pile driving depth should be decided by the departmental officers at site. The length of pile for payment shall be measured from top of shoe to the bottom of the pile cap.</p>				
a	480.00	Rm	<p>300mm dia pile having longitudinal main reinforcement of 8 Nos. of 12mm dia rods with helical reinforcement at 8mm dia at 200mm c/c with inner rings of 12mm dia @ 1000mm c/c with lifting hook of 12mm dia at required length</p>			Rm	

6	45.00	cu.m	Collection,supply and filling of M. 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.			cu.m	
7	225.00	cu.m	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			cu.m	
8	25.00	cu.m	Plain Cement Concrete 1:4:8 (one cement, five four aggregates and eight coarse aggregates) using 40mm size ISS HBG metal including cost and conveyance of all materials to site and including for the mixing, laying and labour charges etc., complete as per standard specification			cu.m	
9			Brick work in cement mortar 1:3 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				

a	5.00	cu.m	For foundation & basement			cu.m	
10			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				
a	49.00	cu.m	For foundation & basement			cu.m	
b	62.00	cu.m	In Ground floor			cu.m	

11			Brick partition walls of 11.50cm thickness using best quality II class Ground moulded chamber burnt bricks of size 9" x 4-3/8" x 2-3/4" in Cement Mortar 1:3 (One Cement and Three Sand) using hoop iron reinforcement if found necessary including curing etc. complete and as directed by the departmental officers.				
a	28.00	Sqm	In Ground Floor			Sqm	
12	47.00	sq.m	Damp proof course with Cement Mortar 1:4 (One Cement and Four sand) 12mm thick mixed with best approved quality water proofing compound conforming to Indian Standard specification as specified by the departmental officers at 2% by weight of cement used, finishing and curing etc. complete complying with standard specification.			sq.m	
13	171.00	sq.m	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification.			sq.m	

14			Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificaliton.				
a	480.00	sq.m	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.			sq.m	
b	155.00	sq.m	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.			sq.m	

c	163.00	sq.m	For plane surfaces such as vertical slab, side slabs of boxing, vertical drops, facia, vertical wall, etc.			sq.m	
15	230.00	sq.m	Providing additional strutting to centering of RCC slabs of plain surface for every additional 1.0 metre height or part thereof but not less than 30 cm, over the initial 3.00 metre height from floor level using casurina props of 10cm to 13cm dia including cross bracing etc., complete complying with standard specification and as directed by the department officers.			sq.m	
16			Cement Concrete 1:1-1/2:3 (One Cement, One and a half sand and Three hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers				

a	50.00	cu.m	In foundation and basement			cu.m	
b	74.00	cu.m	In Ground floor			cu.m	

17			<p>Providing and laying in position, Standardised Concrete Mix M-25 Grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 400 kgms and maximum water cement ratio of 0.45, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve work ability without impairing strength and durability with about (5.0 cu.m.) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m') 7670 kg. of sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials).</p>				
a	18.00	cu.m	In foundation and basement			cu.m	

18			Manufacturing, supplying and fixing Precast Reinforced Cement Concrete slabs of following thickness in RCC 1:2:4 (one cement, two sand and four aggregates), using following HBGS jelly excluding cost of reinforcement steel in position but including cost of moulding charges, casting of slab, finishing, curing and fixing in position in all floors etc., complete complying with standard specification and as directed.				
a	6.00	Sq.m	50mm thick precast slab			Sq.m	
b	5.50	Sq.m	75mm thick slab			Sq.m	
19	18.93	MT	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification.			MT	
20	175.00	Sq.m	Paving the floor with best quality Double Charged Vertified Tiles of size 1200 x 600 x 8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three sand) 20mm thick in all floors and the top pointed with the white cement mixed same colour pigments etc., complete complying with standard specification.			Sq.m	

21	19.00	Sq.m	Paving the floor with best approved quality fine polished Granite Stone Slabs of size 1200 x 600 of 18 / 20mm thick of Synthetic Grey, Paradise and similar varieties with machine cut edges laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three sand) fixing the slabs with required cement slurry and laid in true right angles with minimum possible width of joints and pointing the joints with white cement mixed with matching colouring pigments etc., The granite stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete as per standard specification.			Sq.m	
22	30.00	Rm	Providing full nosing to the steps or platforms to the Granite slab of 20mm thick including neat finishing, polishing, cost of powder, tools etc as directed by the departmental officers			Rm	
23	16.00	Sq.m	Flooring with Self design Joint free rectified Ceramic Tiles of size 305 x 305 x 8mm laid over 20mm thick cement mortar 1 :3 (One cement and Tree M-sand) base mortar over the existing slab / floor including cutting the tiles to the required size with special cutter wherever necessary , laying in position and and pointed with the Epoxy chemical filling and necessary spacer at the rate of 0.3kg. / sq.m. etc., complete complying with standard specification. (The make and brand of the tiles should be Johnson / Kajaria / Somany / Nitco / RAK or Equivalent which has to be got approved by executive Engineer before use on works)			Sq.m	

24	62.00	Sq.m	Dadoing walls with 300x450x8mm best approved quality, white / colour glazed tiles set in Cement Mortar 1:2 (One Cement and Two sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. /sq.mneatly in all floors, curing, etc., complying with standard specification and as directed by the departmental officers.			Sq.m	
25	87.00	Sq.m	Paving the floor with pre-polished concrete anti-skid tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers.			Sq.m	
26	960.00	1Kg	Supplying and fixing of M.S.Grill of approved design for grill gate, grill work to doors and windows openings ramp etc., using necessary mild steel flats for inner and outer members which should be fixed on edges including priming coat of best approved quality red oxide primer etc., complete complying with standard specification.			1Kg	
27	390.00	Sq.m`	Roofing with Galvanised Corrugated Iron Sheet of 0.8mm thickness - 10 m2			Sq.m`	

28			<p>Providing suspended Hilux Board False Ceiling of the following types with G.I. perimeter channel of size 0.55mm tk (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling , screw fixed to brick wall/ partition with the help of nylon sleeves and screws at 610mm centres. Then suspending G.I. Intermediate channel of size 45mm (0.90mm thick with two flanges of 15mm each) from the soffit at 1200mm centres with ceiling angle of 25mmx 10mmx0.50mm thick fixed to soffit with G.I Cleat and steel expansion fastners ceiling section of 0.50mm thickness having knurled web of 51.50mm and two flanges of 26mm each with lips of 10.50mm are then fixed to the intermediate channel at 457mm centres. 12.50mm tapered edge Gyp board (confirming to is 2095-1982) is then screw fixed to ceiling section with 25mm dry wall screws at 230mm centres. Screw fixing should be done mechanically either with screw driver or with drilling machine with suitable attachment got approved by the Executive Engineer before use on works in etc., complete complying with standard specification.</p>				
a	77.00	Sq.m`	Using Hilux board plain sheets (10mm thick)			Sq.m`	
29	50.00	Rm	<p>Providing Cornice Work for Gyp Board False Ceiling etc., complete in all floors complying with standard specification and as directed by the departmental officers.</p>			Rm	

30	98.00	Sq.m`	<p>Supply and installation of Anutone (or) Euivalent Brand of Acoustical False Ceiling of subtex nubby, square edge, glass fibre core fully encapsulated ceiling tile of size 595 x 595 x 15mm having volume density 120 Kgs / m3, weight 1.8 / 2.4 / 3 kg / m2 which is suspended by using 0.3mm thick skelet trellis T15 metal grid system. Skelet trellis T15 metal grid system of 600 x 600mm module includes skelet WA15 W30 wall angle with unequal flanges of 15 / 19mm, length 3000mm, fixed along the perimeter of walls with the help of nylon sleeves and suitable fasteners at 300mm centers. Then suspend the skelet MT15 W36 MainT with flange width 15mm, height 32mm and length 3600mm, from the soffit slab with help of soffit cleat and wire rod with leveling spring clip at 1200mm centres. Skelet CT15 W12 CrossT with flange width 15mm, height 26mm and lengt 1200mm is interlocked into the pre-cut slots in the Main T15 at 600mm centers in the perpendicular direction to the Main T15. Finally, the skelet CT15W06 CrossT with flange width 15mm, height 26mm and length 600mm are interlocked into the precut slots in the CT15W12 CrossT in direction parallel to the Main T15 to result in 600 x 600mm module. The subtex nubby square edge of size 595 x 595 x 15mm shall be placed into the grid size of 600 x 600mm. Ensure arrow marks behind the tiles are oriented in one direction to achieve uniform shade. The systems to achieve noise reduction coefficient not less than 0.9 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc. complying to standard specification.</p>			Sq.m`	
31			<p>Supplying and fixing fine polished cuddapah slab of 38 / 40mm thickness for cup-board arrangements including laying to correct alignment with necessary cement mortar and black powder etc, complete complying with standard specification and as direct.</p>				

b	3.00	Sq.m	38 / 40mm thick			Sq.m	
32	675.00	Sq.m	Plastering with Cement Mortar 1:5 (One cement and Five P.Sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.			Sq.m	
33	798.00	Sq.m	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, fascia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar 1:3 (One Cement and Three P.Sand) 10mm thick including hacking the surfaces, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing, etc., in all floors complying with standard specification and as directed by the departmental officers			Sq.m	
34	146.00	Sq.m	Plastering the surface of walls with Cement Mortar 1:3 (One cement and Three P.sand), 12mm thick in all floors including curing etc., complete complying with standard specification and as directed by the departmental officers.			Sq.m	

35	890.00	Sq.m	Providing Wall Putty including labour charges etc., complete in all floors complying with standard specification and as directed by the departmental officers.			Sq.m	
36	890.00	Sq.m	Painting two coats of newly plastered wall surface with ready mixed plastic emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.			Sq.m	
37	590.00	Sq.m	Painting the wall two coats with approved weather proof Exterior Emulsion paint over one primer coat of over cement plastered wall surface ect., complete complying with standard specification.			Sq.m	
38	15.00	Sq.m	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification.			Sq.m	

39	272.00	Sqm	Providing Anti-termite treatment to soil adjacent and under building foundation, plinth periphery of the building by application of chemicals of IS 63613 part I to IV in stages to suit the progress of work consist as per the detailed specification as below. Including breaking of termite mounds, making holes with crow bar, closing the holes after the treatment and including cost of chemicals, labour charges, transport and storing etc., complete and as directed by the departmental officers.			Sqm	
			DISMANTLING				
40			Dismantling clearing away the brick work in cement mortar as directed by the departmental officers etc. complete.				
a	10.00	m3	a). walls under 3m high			m3	
b	12.00	m3	b). Additional 3m or part there of over the initial height of 3m			m3	
41	31.00	m2	Dismantling clearing away and carefully stacking the useful Rolling Shutters including removal of frame, Springs and handling over to the departmental officers etc. complete			m2	

42	52.00	m2	Dismantling clearing away and carefully stacking material useful for the Alu. doors and windows including removal of frame, hinges and handling over to the departmental officers etc. complete			m2	
43	44.00	m3	Dismantling clearing away and carefully stacking material useful Reinforced Cement Concrete items and handling over to the departmental officers etc. complete			m3	
44	57.00	m2	Dismantling clearing away and carefully stacking the Weathering course with Pressed Tiles as directed by the departmental officers etc. complete			m2	
45	11.00	m3	Dismantling the Plain Cement Concrete Floor and cleaning away the debries from site as directed by the departmental officers etc. complete			m3	
46	35.00	m2	Removing away and carefully stacking the useful Mangalore Tiled Roof over ceiling tiles and handed over to the departmental officers.			m2	
47	0.30	m3	Removing away and carefully stacking useful Mangalore Tiled Roof Timbers and handed over to the departmental officers.			m3	