

SALEM CITY MUNICIPAL CORPORATION

TENDER SCHEDULE

Name of Contractor :

EMD Details **Rs.99,000/-**

Tender Date **06.05.2022**

Name of Work: **Providing New Green Park development at Bharath Rathna Dr MGR Central Bus Stand Town Bus Terminal in Div.24, Salem City Municipal Corporation**

Est. No. **E4/Est No : 460/B/2021-2022**

Estimate Cost **Rs.99.00 Lakhs**

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	450.00	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	104.00	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	121.00	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	

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				
	42.00	m2	a) Grade Beam			m2	
	108.00	m2	b) Column			m2	
	63.00	m2	Plain surface (Roof slab)			m2	

5	3105.00	Kg	Supplying and Fabrication of Steel and placing in position TMT rod Grills for RCC works as per design given including cost of steel and GI binding wire in Floors etc., Complete complying with standard specification in force and as directed by department officials.-			Kg	
6			Providing and laying in position ,standardised concrete mix M-20 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 concrete of 325kg/M3 and maximum water cement ratio of 0.55, including admixture (plasticiser/super plasticiser) in recommended proportions as per IS :9103 to accelerate ,retard setting of concrete , improve workability without perparing strength and durability with about (5 cu.m) 7730 kg of 20mm machine crused stone jelly and with about (3.30cu.m) 5156 kg of 10-12mm machine crused stone jelly and with about (4.79cu.m) 7670kg of sand, but excluding cost of reinforcement grill and fabricating charges , centering and shuttereing and also including laying , vibrating with machanical vibrators ,finishing curing etc., and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming 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 requirments of IS standards.(No separate payment will be made by the department for the excess usage of materials).charges				

	23.00	m3	Upto basement			m3	
	13.50	m3	Upto 4.50m height			m3	
7			Brick Work in Cement Mortar 1:5 Mix (one cement, five sand) using new best III Class Bricks of size (8 3/4" 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				
	88.00	m3	a). Foundation & Basement			m3	
	24.00	m3	b). Ground Floor			m3	

8	8.00	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	
9	1120.00	m2	Supplying and fixing in position cement based hydraulically pressed Anti-skid tiles (pattern design) 20mm thick in cm 1:3-20mm thick & pointed with same colour of cement etc., complete as per standard specification.			m2	
10	30.00	Rm	Supply and fixing of 110mm PVC Pipe (10 Ksc) for Weep Holes to avoid Rain Water Stagnation etc.			Rm	
11	2830.00	Kg	Supplying and fixing of M.S Grill works including all labour and material charges with one coat red oxide primer etc., complet as per standard specification			Kg	
12	377.00	m2	Plastering in cement mortar 1:5 mix (one Cement and five Sand) 12 mm thick etc., complete as per standard specification.			m2	

13	60.00	m2	Supplying and laying in flooring with fully polished Synthetic Jet Black colour Granite stone of 20mm thick (average) of 8' x 4' in size laid over base layer of cement mortar 1:3 (one cement and three sand) - 20 mm thick and applying cement slurry & pointed with white cement and colour pigments to the colour of stones and polished neatly as directed by the departmental officers			m2	
14	110.00	Rm	Providing labour charges for Nosing works to the Granite stones including all cost and conveyance etc., complete.			Rm	
15	28.00	m2	Flooring with following self Designed ceramic tiles of size 305 x 305 x 6mm laid over 20mm thick cm 1:3 base mortar over the existing slab/floor including cutting the tiles to the required the size including cost and conveyance of sand at site and all labour charges and other incidental charges etc., complete complying with std specification.			m2	

16			Supply and Delivery Fabrication of MS doors and windows with outer frame and shutter frame in MS angle of size 40mm x 40mm x 6 mm with MS flat 25mm x 25mm x 6mm and MS sheet of 18 gauge including ventilating arrangements using 20mm square MS rods with locking arrangements including two coats of approved enamel paint over coat of red oxide including cost of angles, plates, sheets, fabrication charges, cost of hold fast and transportation charges etc., complete.				
	3.00	No	Security Room & Shop Doors (0.90 m x 2.10 m)			No	
	3.00	No	Security Room & Shop Window (0.60 m x 0.90 m)			No	
17	60.00	m2	Special ceiling plastering and finishing the exposed surfaces of all RCC items of works with cement mortar 1:3 ; 10mm thick including hacking the surface and providing necessary cement mortar nosing, beading as per size and specification wherever necessary using the same mix in all floors etc., complete			m2	

18	181.00	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	
19	76.00	m2	Painting new iron work with two finishing coats of synthetic enamel ready mixed paint of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification			m2	
20	2630.00	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	
21	7870.00	Sft	Supply and planting Grass cover Zoysia Matrella as per plant list to be done over RCC grid pavers with a mix of 50mm thick layers of soil and manure consisting of 1 part of top soil earth, 1 part of river sand and organic manure/compost and grass seed. This mix to be filed uniformly in the gaps of RCC paver grids. The rate includes transportation of plants, loading, unloading at site, manuring, intial watering, cutting, trimming,soil racking, weeding and soil tilting			Sft	

22			Supply and Plantation of the following plants including Cost and Coveyance of Red Gravel, Mannure and Fertilisers etc., complete.				
	30.00	Nos	Areca Palm			Nos	
	11.00	Nos	Odicka Palms			Nos	
	25.00	Nos	Surul Palms			Nos	
	2.00	Nos	fountain palms			Nos	
	2.00	Nos	Cycas Plant			Nos	

	1.00	Nos	Traveller's Tree			Nos	
	16.00	Nos	Tecoma Orange			Nos	
	10.00	Nos	Tecoma Yellow			Nos	
	5.00	Nos	Paper flower plant			Nos	
	4.00	Nos	Red Palms			Nos	

	10.00	Nos	Ixora Plant			Nos	
	6.00	Nos	Jatropha Plant			Nos	
	15.00	Nos	Phycos Plant			Nos	
	2.00	Nos	adenium plant Big			Nos	
	4.00	Nos	adenium plant Small			Nos	

23	1.00	No	Geological investigation charges preparation of geological survey report etc., complete				
24			Drilling of 150mm Dia bore well in hard rack area in including labour charges for drilling and development charges for erection of caching pipe in over burden soils all cost and conveyance etc., complete				
	12.00	Rm	Drilling of 150mm Dia Bore wells in overburden soil including labour charges for insertion of casing pipes.				
	120.00	Rm	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				

25	1.00	No	Supply and delivery of clear water vertical wet type submersible pumpset suitable for 150mm dia borewell conforming to IS 8034/2002 as amended thereafter and BEE 3 Star Rated capable of discharging noted LPM against head of water column due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze or Cast SS impeller, brass screws and CI FG 200 grade pump bowl/diffuser with ISI mark. Duty LPM 50 x 200 m				
26			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 trial run for 10 days.				

27			Supply and delivery of direct online starter confirming to IS13947, IEC60947-1 and as amended thereafter with suitable KW rating for operation in AC/Three Phase/50HZ(± 5%) and 415 V(±10%) including Ammeter, Voltmeter, Thermal Overload relay, 16 Amps 2 pole Magnetic Contactor with under Voltage protection, Indication lamp, starting capacitor, running capacitor and On/Off Push buttonswitches, 5 way connector, wiring with 1 sq. mm/1.5 sq. mm copper PVC insulated cable, powder coated vermin proof box including the capacitor (the cost of capacitor is to be taken separately).				
28			Supply and Delivery of following specials with ISI making as per standard specifications (MEDIUM)				
	12.00	Rm	150mm PVC Casing Pipe				
	120.00	Rm	32mm HDPE hose				

	122.00	Rm	Nylon rope 10mm thick				
	135.00	Rm	2.5 Sq.mm 3 core copper cable				
	1.00	No	150mm PVC End cap				
29	420.00	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				

30	70.00	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).				
31	10.00	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				
32	6.00	Nos	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.				

33	3.00		Supply and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 1meter down rod on the existing clamp.				
34	6.00	Nos	Supply and fixing of single box type 4'x18 W 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.				
35	54.00	Nos	Supply and fixing Decarative 40 watts Water Proof Cube Outdoor Lamp (Metal Black) including all cost and conveyance etc.,complete				
36	60.00	Nos	Supplying and Fixing of Aluminium Dye Cast Letters 9" size Dye Cast Letters of approved size and colour. The colour treatment process is achieved with MRF colour coat and then the processed coloured layer is set into the kiln for the heat treatment process for the following sizes				

37	1.00	Nos	Supplying and erecting of Children play equipment sea saw 4 seater using B' class 40mm GI pipes with Ms angles of 1 1/4" x 1 1/4" and flats etc. including fabrication, transporting to site, erection and fixing in proper position, painting with enamel paint as directed and labour charges.				
38	1.00	Nos	Supply and fixing of Roller slide SS to a height of 12 Ft. with a product area of 3 x 16 Ft, that installed in a play area of 3 x 16 Ft. including necessary earthwork excavation, PCC 1:2:4 and cost of materials, labour charges, conveyance etc. complete as per the specifications directed by the departmental officers				
39	1.00	Nos	Supplying and erecting of Children play equipment swing 2 seater SS chain using 'B' class 40mm GI pipes with MS angles 1 1/4"x1 1/4" and flats etc. including fabrication, transporting to site, erection and fixing in proper position, painting with enamel paint as directed and labour charges.				
40	16.00	Nos	Supplying Delivery and fixing of Ornamental Granite Stone Benches (3 seaters 1.80 x 0.45m / 1 seater 0.90m x 0.45m) made out of by approved quality and colour of 100mm thick granite stone slab as seater 1.80 x 0.45m, backrest 1.80m x 0.45m on the both side legs and fixed in position at proposed Locations.				

41	252.00	m2	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete (as per P.No.54 PWD SOR)				
42	6.00	Nos	Supply of different designs of dustbins made of six layer bonding of glass fibre such as Fish dustbin (2.75 Ft Ht.), Rabbit Dustbin (2.75 Ft Ht.), Monkey dust bin (2.75 Ft Ht), Cartoon Duck dustbin (3.25 Ft Ht) and Penguin dustbin (2.75 Ft ht) including material cost conveyance charges as per the specifications directed by the departmental officers				
43	1.00	Nos	Supply and delivery and fixing of 2000 Ltr 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 connection works including cutting, threading and fixing charges etc. (as per P.No.65 TWAD SOR)				

44	14.00		HIKVISION-IPC- 4mm -High quality and high resolution images are assured with the 4MP (2560 x 1920) image sensor				
45	1.00		NVR -16Channel				
46	1.00		HARD DISK - 4TB				
47	1.00		TCL - TV - 32" HD				
48	4.00		Power POE switch -4 port & Gigabyte Switch				

49	2.00		CAT 6 Cable				
50	14.00		Camera Mount box				
51	32.00		RJ 45 Jack				
52	4.00		Rack -NVR power switch mounting -6U rack				
53	14.00		CCTV INSTALLATION CHARGES				

54	600.00		Wire Laying Charges -2000m				
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