

SALEM CITY MUNICIPAL CORPORATION

TENDER SCHEDULE

Name of Contractor :

EMD Details **Rs.87,000/-**

Tender Date **06.05.2022**

Name of Work: **Restoration and re-laying of BT road with storm water drain at Kasikadu street and Sivasakthi nagar selva vinayagar koil street (Cross 1,2 &3) in Division no : 59 @ Kondalampatty Ward office**

Est. No. **E4/Est No : 463/R/2021-2022**

Estimate Cost **Rs.87.00 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 No	Probable Quantity		Description of Work	Rate		Unit in	Amount in
	Figures	Units		Words	Figures	Words	Figure
1	676.00	m3	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			m3	
2	110.00	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	
3			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				

	1803.00	m2	upto 1.0m height			m2	
4	264.00	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	

5	10.00	m3	<p>Providing and laying in position, standardized concrete mix M-20 Grade in accordance with IS 456-2000, using 20mm and downgraded 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 (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 cu.m) 7730 kg of 20mm machine crushed stone jelly and with about (3.30cu.m) 5156 kg of 10-12mm machine crushed stone jelly and with about (4.79cu.m) 7670kg 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 etc., complete</p>			m3	
6	800.00	Kg	<p>Supply and fabrication and placing in position of TMT steel rods to required size and length as directed by the departmental officers including cost of binding wire, cutting, bending and tying with proper position etc., including cost and conveyance of all materials to site and all labour charges etc., complete Complying with Standard Specification</p>			Kg	

7	426.00	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	
8	340.00	m3	Conveyance of Excavated Excess Earth away from the site to 2km including loading and transportation charges etc., complete as per standard Specification.			m3	
9	1020.00	m2	Picking the existing old mettaled surface from 50mm to 100mm thick surface without damaging the exisiting base course and cleaning the site etc, complete			m2	
10	576.00	m3	Providing and laying ,spreading and compacting graded stone aggregate to wet mix macadam (WMM) specification including premixing the material with water at (OMC in mechanical mix plant) carriage to mixed material by tipper to site laying in uniform layers with paver in sub base / base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per clasue 406 of MORTH specifications will be followed for all Roads			m3	

11	3060.00	m2	Providing and laying Prime coat of 7 kgs/10 sqm over the WMM surface treated with primer at the rate of 0.70 - 1.00 kg/Sq.m using mechanical spereayer including cost of bituminous binder, including labour charges for applying the required quantity of bituminous binder as Prime coat mechanically etc., complete as per 502 of MORTH Rev V Specifications			m2	
12	3060.00	m2	Providing and laying tack coat with Bitumen Emulsion (RS-1) using emulsion distributor of 2.5 kgs/10 sqm over the Prime surface treated with binder using 2.5 kgs of bituminous Emulsion for 10 square meter area including cost of bituminous binder, including labour charges for applying the required quantity of bituminous binder as tack coat mechanically etc., complete as per 503 of MORTH Rev V Specifications			m2	

13	154.00	m3	<p>Providing and laying 50mm consolidated thick Dense Bituminous Macadam using 0.24cum of 26.50-13.20mm, 0.25 cum of 13.20-2.36mm and 0.23 cum of 2.36mm & below and with 53.20Kgs of VG30/VG40 bitumen for premixing per 10sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregate to required temperature and mixing the min. required temperature in central hot mix plant 20-30 ton capacity, conveying the mix by tipper trucks to worksite, spreading the mix to uniform thickness of 50mm with paver to the specified grades and cross sections and compacted by Vibratory / Pneumatic Roller to the required density etc., including labour for attending to paver at site etc., including hire charges and fuel charges for 20- 30t CMP with bitumen boiler, tipper trucks, Paver Finisher /9m paver finisher, Vibratory / Pneumatic rollers and all other tools and plant required, including fuel and all other incidental charges etc., complete as per specification using CMP as per clause 505 MORTH Rev-5 Quality assurance program will be assured during implementation as per MORTH Specification.</p>			m3	
----	--------	----	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	----	--

14	92.00	m3	<p>Providing and laying Bituminous concrete to 30mm thick using 0.13 cum of 19.00-9.50 mm graded metal and 0.17 cum of 9.50-2.36 mm graded metal and 0.26 cum of 2.36 mm & below metal with 45.27 kgs of 60/70 bitumen & 5.03Kg of Plastic waste (Total-50.30 kg) as per the IRC SP 098 - Guidelines for the Use of Waste Plastic in Hot Bitumenous Mixes (Dry Process) in Wearing Courses shall be followed and for premixing per 10 sqm including cost and conveyance of all materials to C M P site, heating the bitumen and aggregates to required temperature and mixing them in required temperature in central hot mix plant 20- 30 tonnes capacity conveying the mix by tipper trucks to paver site, spreading the mix in required temperature for uniform thickness of 40mm / 30mm with mechanical paver to the specified grades and cross sections and compaction by Vibratory roller to the required density etc., including labour charges for loading bitumen in to bitumen tank and metal to feeder unit,labour for attending to paver site etc., including hire charges and fuel charges for 20-30t C M P with bitumen boiler,tipper trucks, paver finisher, Vibratory rollers and all other tools and plants required,including all other incidental charges etc.,complete using C M P clause 507 of MORTH Rev-5 specifications.</p>			m3	
----	-------	----	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	----	--

15	936.00	m2	Painting center line, edge line road marking 100 width with Thermoplastic Paint (hot application) in such way that painting length will be 3.00m with a gap of 3.00m with a gap of 3.00 m curved portion and in straight portion painting length will be 3.00m with a gap of 3.00m curved for centerline by indigenous hand propelled road marking machine with single coat including cost of all materials such as pigments, extender, fine aggregate stand oil (Binder) glass beads as per 3262:1976 for the preparation of thermoplastic paint at site mixing glass beads 10% by wieght of the ingredient at the time of preparation of paint and 10% glass beads but wt. at the time of application of paint on the road surface, including cost of all etc. complete Hot applied thermoplastic road marking compound 2.5mm thick including refectorising glass beads for night vision.			m2	
----	--------	----	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	----	--