

TENDER SCHEDULE

NAME OF WORK : Providing Black Topping the Avudaiyapuram main road from Pillaiyar kovil to RR Park in Thiruvengadam Town Panchayat.

Estimate Amount Rs. 20.00 Lakhs

Contract Value Rs.

EMD:-

Sl. No	Quantity		Description of Work	MDSS and SSRB No.	Units	Rate in Figures	Rate in Words
1	1600.00	Sqm	Charges for cutting the B.T surface to 5 to 7 cm depth using milling machine, conveying the Milled waste materials to at least for 20 km distance including hire and running charges for the machine, conveyance charges, unloading at unobjectionable place, cleaning the milled surface as to avoid slippery including all other incidental and unforeseen item etc. complete as per the direction of the departmental officers		1 Sqm (One Square Meter)		
2	1600.00	Sqm	Providing and laying Tack Coat over existing B.T Surface using 2.00 Kg of Bitumen Emulsion (RS1) per 10 sqm for preparatory to another bituminous construction over it, including cost of material, labour charges, rentals for machinery, fuel and all other incidental charges etc., complete as per Clause 503 of MORTH Rev-5		1 Sqm (One Square Meter)		

3	80.00	Cum	<p>Providing and laying 50mm Consolidated thick Dense Bituminous Mecadam using 0.24 cum of 26.50 – 13.20 mm Graded metal and 0.25 cum of 13.20 – 2.36 mm Grade metal and 0.23 cum of 2.36 mm & below with 53.20 kgs of 60/70 Grade Bulk bitumen for premixing per 10 Sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregates to required temperature and mixing them in required temperature in central hot mix plant 20 – 30 ton capacity, Conveying the mix by tipper trucks to paver site, spreading the mix to uniform thickness of 50 mm with mechanical pavers to the specified grades and cross sections and compaction by Vibratory/Pneumatic rollers to the required density etc., including labour for loading bitumen into bitumen tank and Metal to feeder unit, labour for attending to paver site etc., including hire charges and fuel charges for 20 – 30 ton CMP With bitumen boiler tipper,trucks, paver Finisher/9M, Vibrator rollers and all other tools and plants required,including all other incidental charges etc., complete as per standard specification using CMP Clause 505 of MORTH Rev-5</p>		1 Cum (One Cubic Meter)		
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4	48.00	Cum	<p>Providing and laying Bituminous Concrete 30mm Consolidated thick using 0.13 cum of 19.00 – 9.50mm, 0.17 cum of 9.50-2.36mm and 0.26 cum of 2.36 mm & below with 45.27kgs of VG 30 /VG 40 bitumen and 5.0.3kg of shredded plastic waste for premixing for 10 sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregates to required temperature and mixing them in required temperature in central hot mix plant 20 – 30 ton capacity, Conveying the mix by tipper trucks to paver site, spreading the mix to uniform thickness of 30 mm with mechanical pavers to the specified grades and cross sections and compaction by Vibratory/Pneumatic rollers to the required density etc., including labour for loading bitumen into bitumen tank and Metal to feeder unit, labour for attending to paver site etc., including hire charges and fuel charges for 20 – 30 ton CMP With bitumen boiler tipper, trucks, paver Finisher/9M, Vibrator rollers and all other tools and plants required, including all other incidental charges etc., complete as per standard specification using CMP Clause 507 of MORTH Rev-5</p>		1 Cum (One Cubic Meter)		
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5	36.00	Cum	Providing and laying Gravel to the specified thick including cost and conveyance of gravel from approved quarry and stocking the same at road side to Departmental guage for premeasurement as directed by the Departmental Officers including labour charges for spreading in layers not exceeding 75 mm thick (or) as specified by the departmental officers, levelling, sectioning etc., and all other charges for tools and plants employed for the work and all other incidental charges such as barricading and providing danger lights etc., complete as per standard specification. as per clause 301 & 305 of MORTH		1 Cum (One Cubic Meter)		
6	14.00	Cum	Earth work excavating all classes of soils including all labour charges and all other charges etc complete		1 Cum (One Cubic Meter)		
7	4.00	Cum	Plain Cement Concrete 1:4:8 mix (One part of Cement, Four part of Fine Aggregate and Eight part of Coarse Aggregate) Using 40mm ISS HBG metal for foundation and basement including dewatering if found necessary and laid in layer of not more than 15cm thick and consolidated including all cost conveyance of materials and labour charges etc. complete as per standard specifications and as directed by departmental Engineers(TNBP No.28).		1 Cum (One Cubic Meter)		

8	45.00	Sqm	supply and erection of steel centering ,shuttering for soffits including necessary supports and strutting for all RCC works using MS sheets of suitable size of BG 10 stiffened with MS angle of size 25x25x3 mm for boarding laid over silver oak joists of size 10cmx6.5cm spaced at 90 cm c/c and supported by casurina props 10 cm - 13 cm spaced at 75 cm c/c etc complete and as directed by the departmental officers (Retrieved materials shall be taken back by the contractor after concrete is laid)		1 Sqm (One Square Meter)		
9	12.00	Cum	Plain Cement Concrete 1:2:4 Mix (one part cement, two part sand and Four part of aggregate) using 40% 40mm & 60% 20mm size size ISS HBG metal 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 as per TNDSS NO: 28 & VI (S2) VI (S5A) VII standard specifications as directed by Engineer incharge.		1 Cum (One Cubic Meter)		