

ERODE DISTRICT - SIVAGIRI TOWN PANCHAYAT

NAMAKKU NAMMAE THITTAM-2021-2022

DETAILED ESTIMATE

Name of Work :Strengthening the Existing BT Road to New Bus Stand Opposite Main Street,Muthur Main Road Pirivu to thiru Ve Ka School at Sivagiri in Sivagiri Town Panchayat

Estimate Amount : 26.67 Lakhs

SL. NO.	QTY.		DESCRIPTION OF WORK	TNDSS NO.	RATE IN		UNIT	AMOUNT
					Figure	WORDS		
1	306.00	M ³	Earth work Excavation and depositing on Bank with initial lead of 10 m & initial lift of 2 m in Hard still clay, stiff black cotton, hard red earth, shales murram, gravel, stoney earth and earth mixed with small size boulders SS 20 B for sectioning and levelling MORTH 24 & 25.	MORTH 24&25			1M ³ (One Cubic Metre)	
2	246.00	M ³	Providing, Laying, Spreading and compacting graded stone aggregate to Wet Mix Macadam for 150mm thick specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers with pavers in sub base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density,including all cost conveyance of materials and labour charges etc. complete as per standard specifications and as directed by departmental Engineers MORTH 406	MORTH 406			1M ³ (One Cubic Metre)	

SL. NO.	QTY.		DESCRIPTION OF WORK	TNDSS NO.	RATE IN		UNIT	AMOUNT
					Figure	WORDS		
3	1640.00	M ²	Providing and laying Priming coat 7Kg / 10 Sq.m over WMM surface using of Emulsion Bitumen for 10 Sq.m and cost Emulsion Bitumen which will be supplied and procured by the contractor himself at his own cast as per special condition appended including labour charges for preparing the surface for laying the tack coat and for applying the required quantity of bituminous by mechanical sprayer including hire and fuel for all tools and plants employed etc., complete.	MORTH 406			1M ² (One Square Metre)	
4	1640.00	M ²	Providing and laying Tack coat 2.5Kg / 10 Sq.m over WMM surface using of Emulsion Bitumen for 10 Sq.m and cost Emulsion Bitumen which will be supplied and procured by the contractor himself at his own cast as per special condition appended including labour charges for preparing the surface for laying the tack coat and for applying the required quantity of bituminous by mechanical sprayer including hire and fuel for all tools and plants employed etc., complete.	MORTH 111, 112, 501,503 and 900			1M ² (One Square Metre)	

SL. NO.	QTY.		DESCRIPTION OF WORK	TNDSS NO.	RATE IN		UNIT	AMOUNT
					Figure	WORDS		
5	82.00	M ³	Providing and laying 50mm consolidated thick Dense Bituminous Macadam using 0.24cum of 26.50-13.20mm,0.25cum of 13.20-2.36mm and 0.23cum 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 work site, 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	MORTH 505			1M ³ (One Cubic Metre)	

SL. NO.	QTY.		DESCRIPTION OF WORK	TNDSS NO.	RATE IN		UNIT	AMOUNT
					Figure	WORDS		
6	50.00	M ³	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 50.30 kgs of 60/70 Grade Bulk bitumen 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 40 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	MORTH 511			1M ³ (One Cubic Metre)	
7	56.00	M ³	Collection and Spreading of well gravel including cost and conveyance of all materials from approved quarries as noted in lead chart to the road side including loading, unloading and stacking the well gravel at road side to departmental gauge for pre-measurement including labour charges for laying spreading leveling to camper etc., complete as per as per MORTH Specifications.401 and 1015	MORTH 401 and 1015			1M ³ (One Cubic Metre)	

SL. NO.	QTY.		DESCRIPTION OF WORK	TNDSS NO.	RATE IN		UNIT	AMOUNT
					Figure	WORDS		
8	82.00	M ²	Providing & laying of hot applied thermoplastic compound of 2.50mm thick reflecting glass beads @ 250 grammes / square metre area thickness 2.50mm exculives surface applied glass beads as per IRC certified 35.	Speical			1M ² (One Square Metre)	

Junier Engineer,
Town Panchayats,
Sivagiri Group.

Assistant Executive Engineer,
Town Panchayats,
Erode District.