



GOVERNMENT OF TAMIL NADU

**RURAL DEVELOPMENT  
AND PANCHAYAT RAJ DEPARTMENT**

**2018-19**

Name of Work : **Metalling of the Road From Kadampur-Makkampalayam Road  
Km 8/5-11/7**

Estimate Amount : Rs 14733000

**BLOCK : SATHYAMANGALAM**

**District Rural Development Agency.,**

**Erode district**



## DETAILED ESTIMATE

Name of work **Metalling of the Road From Kadampur-Makkampalayam  
Road Km 8/5-11/7**

Estimate in Rs      **14733000**

Sl.no	Description of work	No.	L	B	D	Contents		Amount
1	Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water as per 20A							
	<b>0m -0.30m</b>							
	KM 8/5 -9/0 -	2	500.00	0.45	0.30	135.00		
	KM 9/0-10/0 -	2	1000.00	0.45	0.30	270.00		
	KM 10/0 - 11/0	2	1000.00	0.45	0.30	270.00		
	KM 11/0 -11/70	2	700.00	0.45	0.30	189.00		
						<b>864.00</b>		
	<b>0.3m -0.60m</b>							
	KM 8/5 -9/0-	2	500.00	0.45	0.15	67.50		
	KM 9/0-10/0	2	1000.00	0.45	0.15	135.00		
	KM 10/0 - 11/0	2	1000.00	0.45	0.15	135.00		
	KM 11/0 -11/70	2	700.00	0.45	0.15	94.50		
						<b>432.00</b>		
2	Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water as per 20A							
	<b>0m -0.30m</b>							
	KM 9/30 -9/ 36	1	60.00	0.45	0.30	8.10		
						<b>8.10</b>		
3	Providing and laying including cost and conveyance of gravel from approved sources to work site including labour for spreading, watering and compacting by power roller to achieve the required Proctor density at 100% compaction at Optimum moisture content and hire fuel charges for powerroller, watersprinkler and all other incidental charges such as traffic barricading and providing dangerlights etc. comp for base-course and side berms							
	KM 8/5 - 9/0-sub base	1	500.00	5.00	0.300	750.00		
	KM 8/5 -9/0 -Side berms	2	500.00	0.45	0.100	45.00		
	Deduct for 1.5 m	-3	2.40	5.00	0.300	-10.80		
	Deduct for 3.0 m	-1	3.70	5.00	0.300	-5.55		
						<b>778.65</b>		
	KM 9/0-9/12	1	120.00	5.00	0.300	180.00		
	KM 9/12-9/16	1	40.00	5.00	0.600	120.00		
	KM 9/16-9/3	1	140.00	5.00	0.300	210.00		
	KM 9/3-9/36	1	60.00	5.00	0.600	180.00		

	Km 9/36-9/8			1	440.00	5.00	0.300	660.00		
	Km 9/8-9/82			1	20.00	5.00	0.600	60.00		
	Km 9/8-9/82			1	180.00	5.00	0.300	270.00		
	KM 9/0-10/0Side berms			2	1000.00	0.45	0.075	67.50		
	D/n 1.5 m			-5	2.40	5.00	0.300	-18.00		
	D/n 3.0 m			-1	3.70	5.00	0.300	-5.55		
	D/n bridge			-1	35.00	5.00	0.300	-52.50		
								<b>1671.45</b>		
	Km 10/0-10/150			1	150.00	5.00	0.600	450.00		
	Km 10/150-11/0			1	850.00	5.00	0.300	1275.00		
	KM 10/0-11/0Side berms			2	1000.00	0.45	0.075	67.50		
	D/n 1.5 m			-2	2.40	5.00	0.300	-7.20		
	D/n 3.0 m			-1	3.70	5.00	0.300	-5.55		
								<b>1779.75</b>		
	Km 11/0-11/6			1	600.00	5.00	0.300	900.00		
	Km 11/6-11/63			1	30.00	5.00	0.600	90.00		
	Km 11/63-11/7			1	70.00	5.00	0.300	105.00		
	KM 11/0-11/7Side berms			2	1000.00	0.45	0.075	67.50		
								<b>1162.50</b>		
4	Providing and laying 75mm compacted thick WBM Grade II using 1 cum of 75mm to 22.4mm IRC HBG metal and 0.24 cum of Gravel for blindage for 10 Sqm. of 75mm compacted thick (the blindage material shall have PI value less than 6%) including cost and conveyance of all materials from approved quarry to work site and stacking to departmental gauge for pre-measurement as directed by the departmental officers including labour for spreading metal and gravel hand packing to camber and grade lines blinding with required quantity of gravel, forming edge bunds, watering with all leads for good water slurring, rolling and consolidation by power roller and finishing as per MOST 404 (III revision) including hire and fuel charges for power roller and water sprinkler and all other tools and plants employed therefor and all incidental charges etc., 1.6. BOTTOM LAYER									
	Km 8 / 5 - 9 / 0			1	500.00	3.75	0.075	140.63		
	Deduct for 1.5 m culvert			-3	2.40	3.75	0.075	-2.03		
	Deduct for 3 m culvert			-1	3.70	3.75	0.750	-10.41		
								128.19		
	Km	9/0	10/0	1	1000.00	3.75	0.075	281.25		
	D/n 1.5 m			-5	2.40	3.75	0.075	-3.38		
	D/n 3.0 m			-1	3.70	3.75	0.075	-1.04		
	D/n bridge			-1	35.00	3.75	0.075	-9.84		

								266.99		
	Km	10/0	11/0	1	150.00	3.75	0.075	42.19		
	D/n 1.5 m			-2	2.40	3.75	0.075	-1.35		
	D/n 3.0 m			-1	3.70	3.75	0.750	-10.41		
								30.43		
	Km	11/0	11/7	1	600.00	3.75	0.075	168.75		
								168.75		
5	providing 1.5 m span culvert at ch.9/60 m,10/085m,10/420m,10/510 m,10/600 m,10/680 m,10/750 m,11/050 m,11/500 m,11/580 m									
6	providing 3.0 m span culvert at ch.8/720 m,9/684 m,11/10 m									
7	Provision for hard bed									
5	Provision for Name board, etc.							L.S		
6	Provision for Photography Charges							L.S		
7	GST				0.12			L.S		
8	Labour welfare funds 1.0%				1.00	%(Apprx..)		L.S		
9	Contingencies and other charges							L.S		

			ABSTRACT OF ESTIMATE							
	Name of Work	Metalling of the Road From Kadampur-Makkampalayam Road Km 8/5-11/7								
Sl.No.	Quantity	unit	Description of work					Rate	per	Amount
1			Earth work excavation in all classes of soils except hard rock requiring blasting depositing on bank with initial lead of 10M and lift of 2M including all labour charges and incidental charges such as shoring, strutting, providing coffer dams, bailing out of water as per 20A							
		0.0-0.30 m								
	864.00	Cum	Km	8/5	11/7			213.75	/M <sup>3</sup>	184680
	0.30-0.60 m									
	432.00	Cum	Km	8/5	11/7			263.11	/M <sup>3</sup>	113664
2			Providing and laying including cost and conveyance of gravel from approved sources to work site including labour for spreading, watering and compacting by power roller to achieve the required Proctor density at 100% compaction at Optimum moisture content and hire fuel charges for powerroller, watersprinkler and all other incidental charges such as traffic barricading and providing dangerlights etc. comp for base-course and side berms							
	778.65	Cum	Km	8/5	9/0			911.08	/M <sup>3</sup>	709412
	180.00	Cum	Km	9/0	10/0			926.51	/M <sup>3</sup>	166772
	1779.75	Cum	Km	10/0	11/0			941.94	/M <sup>3</sup>	1676418
	1162.50	Cum	Km	11/0	11/7			941.94	/M <sup>3</sup>	1095005
3			Providing and laying 75mm compacted thick WBM Grade II using 1 cum of 75mm to 22.4mm IRC HBG metal and 0.24 cum of Gravel for blindage for 10 Sqm. of 75mm compacted thick (the blindage material shall have PI value less than 6%) including cost and conveyance of all materials from approved quarry to work site and stacking to departmental gauge for pre-measurement as directed by the departmental officers including labour for spreading metal and gravel hand packing to camber and grade lines blinding with required quantity of gravel, forming edge bunds, watering with all leads for good water slurring, rolling and consolidation by power roller and finishing as per MOST 404 (III revision) including hire and fuel charges for power roller and water sprinkler and all other tools and plants employed therefor and all incidental charges etc., complete for BOTTOM LAYER							

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