



## **ABSTRACT**

Highways Department – Announcements made by the Hon'ble Finance Minister in the Floor of Legislative Assembly – Initial Rectification and Maintenance through Performance Based Maintenance Contract in the State Highways / Major District Roads in Sivagangai (Construction and Maintenance) Division of Sivagangai District – Administrative Sanction – Accorded – Orders – Issued.

### **Highways and Minor Ports (HQ1) Department**

**G.O. (Ms) No:137**

**Dated 15.11.2019**

விகாரி, ஐப்பசி 29, திருவள்ளூர்வராண்டு 2050

**Read:**

1. Announcement made by the Hon'ble Deputy Chief Minister on 08.02.2019.
2. From the Chief Engineer (Construction and Maintenance), Highways Department Letter No.8637/Thittam/2009, dated 05.08.2019.

### **ORDER:-**

During the Budget speech, the Hon'ble Finance Minister has made an announcement in the Floor of Legislative Assembly on 08.02.2019 that "under the Performance Based Maintenance Contract (PBMC) programme, 1,768 km of roads have been taken up so far at a cost of Rs.3,074.84 Crore, which has ensured systematic and high quality maintenance of roads. This programme is being extended to the entire State in a phased manner. During 2019-2020, another 622 km of roads at a cost of Rs.715 Crore will be covered in Sivagangai division".

2. In the letter read above, the Chief Engineer (Construction and Maintenance), Highways Department has furnished the proposal for Performance Based Maintenance Contract (PBMC) in all State Highways Roads and all Major District Roads in Sivagangai Division of Sivagangai District for an amount of Rs.715.00 Crores and stated that, development of a region depend on road connectivity. Highways department takes up the essential infrastructure projects over the entire road network to provide safe, efficient, rapid, comfortable, convenient, economical, transport facilities to the public. It is imperative on the part of this department to develop and maintain the infrastructure so that improved access is facilitated for public and commercial use. Increase in traffic volume demands capacity augmentation of existing roads and hence widening of roads to cater to the traffic needs of the growing economy are undertaken in Plan schemes. Roads play a major role in the transport of merchandise and further due to its increased mobility. Further, the projects envisaged in VISION 2023 requires capacity augmentation to minimum two lane with paved shoulders. Due to high growth

of vehicle production, there is a need for capacity augmentation of existing roads and hence widening of existing roads to cater to the growing traffic intensity are undertaken in Plan schemes. Further, the existing road surface has to be improved since the riding surface is exposed to wear and tear due to continuous flow of traffic and hence improvements to the existing surface are taken-up based on various parameters like roughness index, deflection etc. Maintenance works are undertaken duly following the Indian Roads Congress (IRC) guidelines. Strengthening / Improving the existing pavement, Widening of SH and MDR Roads in selected Stretches / Reconstruction / Widening of Cross Drainage structures / Drain cum footpath / Centre median / Retaining / Protective walls wherever necessary. Providing Road furniture / Avenue Plantation / Emergency Component works and Periodical renewal and Maintenance of riding surface as per renewal cycle are included in this proposal. Maintenance of roads as per renewal cycle is essential to maintain the service levels and enhance the life of the road infrastructure.

3. The Chief Engineer (Construction and Maintenance), has also stated that Sivagangai Division is well connected by roads and it is proposed to improve 198.315 Km length of SH roads and 360.272 Km length of MDR roads. Being adjacent to Madurai, Trichy, Ramanathapuram and Pudukottai, this district is experiencing rapid growth in development and there is considerable increase in traffic. Sivagangai district is one of the fastest developing districts in Tamil Nadu in terms of Industrial Development. The district has many industries like spinning mill, textile mills and many temples etc. The district has many Industrial Estates also. Sivagangai District is located in a very important strategic location and is poised for a very rapid growth in the very near future. The upkeep of the SH and MDR roads in good condition is very important to cater to the present traffic and rapid growth of traffic in the foreseeable future. SIDCO Industrial Estate was developed in Thirupathur Town. The three Major National Highways like Madurai – Thanushkodi road (NH49), Thanjavur – Manamadurai road (NH226) and Cochin–Thondi road (NH85) pass through Sivagangai district, which leads to major commercial and pilgrimage centre of Thondi & Rameshwaram. Paddy, cotton, chilly, cereals, banana, onion, groundnuts are grown and transported to main marketing centers through the network of Highways roads. Many important tourist centers and temples are located in this district. Hence, improvements considered under PBMC in the entire road network of SHs and MDRs would be beneficial to the overall growth of the region.

**The State Highways roads in Sivagangai Division, Sivagangai district is as detailed below:**

Sl. No.	SH No.	Name of road	Stretch		Total Length in Km
			From	To	
1	SH 29	Thanjavur–Pattukottai– Aranthangi–Karaikudi – Kallal– Kalaiyarkoil –Maravamangalam– Illayankudi–Paramakudi– Mudukulathur–Sayalkudi road	115/110	123/771	76.240
		130/771	164/356		

		(SH 29), Km 115/110 – 123/771, 130/771 – 164/356, 164/556 – 198/550	164/556	198/550	
2	SH 34	Ramanathapuram–Nainarkoil–Illayankudi–Andakudi–Sivagangai–Melur road (SH34), Km 30/2 – 41/8, 43/8 – 74/072, 76/072 – 89/896	30/2 43/8 76/072	41/8 74/072 89/896	55.696
3	SH 34 A	Uppoor–Kottaiyur road (SH 34A), Km 21/6 – 36/8	21/6	36/8	15.200
4	SH 35	Dindigul – Natham–Singampunari–Thirupathur–Devakottai–Rastha road (SH 35), Km 57/4 – 97/2, 101/8 – 102/4	82/2 101/8	97/2 102/4	15.600
5	SH 191	Melur–Thirupathur road (SH 191), Km 14/2 – 31/6	14/2	31/6	17.400
6	SH 191 A	Kummangudi bridge –Kovilur road (via) Pillaiyarpatty (SH 191A), Km 0/0 – 13/975	0/0	13/975	13.975
7	SHU 25	Madurai –Thanuskodi road (SHU 25), Km 45/6 – 47/2	45/6	47/2	1.600
8	SHU 159	Thiruchirapalli–Ramanathapuram road (Abandoned NH210) (SHU 159), Km 76/4 – 97/2	76/4	97/2	20.800
9	SHU	Thanjavur – Manamadurai road (Abandoned NH226) (SHU ), Km 93/8 – 100/4 (Thirupathur), 105/0 – 106/4 (Thirukostiyur), 127/2 – 134/750 (Sivagangai Town), 145/8 – 150/500 (Manamadurai Town)	93/8 105/0 127/2 145/8	100/4 106/4 134/750 150/500	20.250
<b>SH Total</b>					<b>236.761 Km</b>

**The following 2 Nos. of Abandoned NH stretches have been handed over by NHAI and the same are also included in this proposal.**

1	SHU	Cochin – Madurai – Thanushkodi road (Abandoned Stretches of NH 85) (SHU ), Km 10/550 – 11/600 (Silaiman Built-up stretch), Km 16/920 – 24/670 (Thirupuvanam Town), Km 29/385 – 30/985 ( Thirupachethi Town), Km 40/180 – 41/330 (Rajakambeeram Built-up stretch)	10/550 16/920 29/385 40/180	11/600 24/670 30/985 41/330	11.550
2	SHU	Trichy – Madurai road (Abandoned Stretch of NH 45B) (SHU ), Km 66/4 –	0/0	0/5	0.500

	66/9 (Puzhuthipatti Built-up stretch)			
<b>SH Total</b>				<b>12.050 Km</b>
<b>SH Grand Total</b>				<b>248.811 Km</b>

**Also the following Length of SH roads are excluded in this proposal.**

Sl. No.	SH No	Road Details	From	To	Total Length
1	SH 34	Ramanathapuram–Nainarkoil – Illayankudi–Andakudi–Sivagangai–Melur road (SH34), Km 30/2 – 41/8, 43/8 – 74/072, 76/072 – 89/896 <b>(Proposed under TNRSP )</b>	71/2 76/072	74/072 89/896	16.696
2	SH 35	Dindigul – Natham–Singampunari–Thirupathur–Devakottai–Rastha road (SH 35) <b>(Upgraded as NH 383 Extn, Green Corridor)</b>	82/2	85/8	3.600
3	SH 191	Melur–Thirupathur road (SH 191), Km 14/2 – 31/6 <b>(Proposed under CKICP)</b>	14/2	31/6	17.400
4	SH 191 A	Kummangudi bridge – Kovilur road (via) Pillaiyarpatty (SH 191A), Km 0/0 – 13/975 <b>(Upgraded as NH 383 Extn , Green Corridor)</b>	0/0	12/8	12.800
<b>Total</b>					<b>- 50.496 Km</b>

Grand Total length of SH roads proposed under **PBMC** (Km 248.811–50.496) is **198.315 km**

Further, the SH 29 has been proposed for declaration as NH. But the stretch is now included in the proposal and upon declaration, the stretch will be deleted from the proposal in case of declaration.

**The Major District roads in Sivagangai Division, Sivagangai district is as detailed below:**

Sl. No.	MDR No	Name of the Road	Stretch		Total Length in Km
			From	To	
1	M 73	Chettinadu Railway Feeder road (M 73), Km 0/0 – 2/781	0/0	2/781	2.781
2	M 83	College Campus Road to Karaikudi Railway Station road(M83), Km 0/0 – 1/2	0/0	1/2	1.200

Sl. No.	MDR No	Name of the Road	Stretch		Total Length in Km
			From	To	
3	M 148	Karaikudi – College Campus road (M148), Km 2/4 – 6/435	2/4	6/435	4.035
4	M 176	Koilapatty Junction – Pudukottai District Border road (M176), Km 0/0 – 11/210	0/0	11/210	11.210
5	M 185	Kottaiyur – Aranthangi road (M185), Km 5/6 – 16/404	5/6	16/404	10.804
6	M 209	Kunnakudi – Kanadukathan road (M209), Km 11/2 – 20/6, 23/2 – 23/6	11/2	20/6	9.800
			23/2	23/6	
7	M 210	Kunnakudi Devasthanam road (M210), Km 0/0 – 0/195	0/0	0/195	0.195
8	M 231	Madurai – Thondi Bypass road (M231), Km 72/4 – 74/0	72/4	74/0	1.600
9	M 240	Managiri – Kallal – Madagupatty road (M240), Km 11/6 – 26/684	11/6	26/684	15.084
10	M 266	Melur – Thirupuvanam (via) Poovanthi road (M266), Km 19/564 – 21/003	19/564	21/003	1.439
11	M 278	Muthanendal Railway Feeder road (M 278), Km 0/0 – 0/053	0/0	0/053	0.053
12	M 299	Okkur – Keelapoongudi road (M299), Km 13/190 – 24/683	13/190	24/683	11.493
13	M 300	Okkur – Nattarasankottai road (M 300), Km 0/0 – 8/531	0/0	8/531	8.531
14	M 305	Old Madurai – Thondi road (M305), Km 17/8 – 19/2	17/8	19/2	1.400
15	M 413	Sarunguni – Devakottai road (M 413), Km 0/0 – 15/480	0/0	15/480	15.480
16	M 559	Thirupuvanam West Car Street road (M 559), Km 0/0 – 0/100	0/0	0/100	0.100
17	M 579	Branching from Km 43/2 of NH49 to Kattanoor road (M 579), Km 0/0 – 12/683	0/0	12/683	12.683
18	M 593	Elayangudi – Vandal – Anandur – Sukkirapatti road (M 593), Km 0/0 – 27/6, 33/4 – 42/4	0/0	27/6	36.600
			33/4	42/4	
19	M 627	Manamadurai – Paramakudi road (via) T.Pudukottai road (M 627), Km 0/0 – 24/8	0/0	24/8	24.800
20	M 647	Padamathur – Thirupachethi road (M 647), Km 0/0 – 10/0	0/0	10/0	10.000

Sl. No.	MDR No	Name of the Road	Stretch		Total Length in Km
			From	To	
21	M 715	Thirupathur – Alangudi road (M 715), Km 0/0 – 17/0	0/0	17/0	17.000
22	M 718	Thirupuvanam – Pulivaikarai – Narikudi road (M 718), Km 0/0 – 7/512	0/0	7/512	7.512
23	M 912	Nattarasankotti - Chokkanathapuram road (M 912), Km 0/0 - 23/3	0/0	23/3	23.300
24	M 913	Singampunari - V.Pudur road (M 913), Km 0/0 - 19/2	0/0	19/2	19.200
25	M 914	Puzhuthipatti - Ponnamaravathi road (M 914), Km 0/0 - 16/7	0/0	16/7	16.700
26	M 917	NH 210 to Vattanam road (M 917), Km 0/0 - 8/290	0/0	8/290	8.290
27	M 972	Aralikottai - Keelavalavu road (M 972), Km 0/0 - 13/4	0/0	13/4	13.400
28	M 973	Devakottai - Pudukottai District Border road (via) Kannangudi (M 973), Km 0/0 - 24/2	0/0	24/2	24.200
29	M 974	Karaikudi - Soorakudi road (M 974), Km 0/0 - 4/4	0/0	4/4	4.400
30	M 975	Thayamangalam road (M 975), Km 0/0 - 7/2	0/0	7/2	7.200
31	M 1151	Sarunguni - Devakottai road to Muppaiyur (M 1151), Km 0/0 - 14/8	0/0	14/8	14.800
32	M 1152	Devakottai - A. Pudur road (M 1152), Km 0/0 - 12/1	0/0	12/1	12.100
33	M 1153	Manamadurai - Puliyankulam road (M 1153), Km 0/0 - 11/2	0/0	11/2	11.200
34	M 1167	Ilayangudi Bye Pass road (M 1167), Km 0/0 - 2/430	0/0	2/430	2.430
<b>MDR Total</b>					<b>361.020 Km</b>

The length of MDR roads taken up under various schemes are as follows :

Sl. No.	MDR No.	Road Details	From	To	Total Length
1	M 209	Kunnakudi - Kanadukathan road (M209), Km 11/2 - 20/6, 23/2 - 23/6 (NH 383 Extn , NHAI Green Corridor)	11/2	11/6	0.400

2	M 210	Kunnakudi Devasthanam road (M210), Km 0/0 - 0/195 (NH 383 Extn , NHA Green Corridor)	0/0	0/195	0.195
3	M 278	Muthanendal Railway Feeder road (M 278), Km 0/0 - 0/053 ( Abandoned )	0/0	0/053	0.053
4	M 559	Thirupuvanam West Car Street road (M 559), Km 0/0 - 0/100	0/0	0/100	0.100
<b>Total</b>					<b>-0.748 Km</b>

Grand Total of MDR roads Proposed under PBMC (Km 361.02-0.748) is **360.272 km.**

**The total length of works taken up in Sivagangai (Highways), Construction and Maintenance Division under Plan and Non-plan works in State Highways and Major District Roads are tabulated below:**

SL. No.	Last Renewal year	SH Length in km			MDR Length in km		
		Plan	Non-plan	Total	Plan	Non-plan	Total
1	Prior to 2014	54.495	-	54.495	116.760	-	116.760
2	2014-15	21.570	-	21.570	17.039	-	17.039
3	2015 - 16	23.655	-	23.655	30.440	-	30.440
4	2016- 17	11.414	-	11.414	38.500	-	38.500
5	2017 - 18	48.087	2.644	50.731	26.644	19.400	46.044
6	2018 - 19	36.450	0	36.45	101.889	9.600	111.489
	<b>TOTAL</b>	195.671	2.644	<b>198.315</b>	331.272	29.000	<b>360.272</b>

4. The Chief Engineer (Construction and Maintenance), Highways Department has further stated that under the PBMC proposal, the following nature of works are proposed to be carried out in all State Highways and Major District Roads for the next five years.

S. No.	Year	Nature of works proposed
1	I Year - IR	<b>Road Works widening and strengthening Including CD works</b> Road widening to 10.50 m width in SHs, DL widening in MDRs, Strengthening, Improvements are proposed to be taken up including Cross Drainage, Center median, Storm water Drain, Retaining Wall works.

		<p><b>Maintenance works</b></p> <p>Under maintenance component, maintenance of road (Patches, jungle clearance, cleaning of culverts, Providing KM &amp; HM stones, Painting culverts, road furniture, Emergency component, Avenue Plantation, Multi Utility Vehicles are proposed.</p>
2	II, III, IV th Year – PR-I, PR-II, PR-III, PR-IV	<p><b>Road Works Including CD works</b></p> <p>Road widening and Improvements are Proposed to be taken up including Cross Drainage, Center median, Storm water Drain works.</p> <p><b>Maintenance works</b></p> <p>Under maintenance component, maintenance of road (Patches, Jungle clearance, culvert clearance, Providing KM &amp; HM stones, Painting culverts etc.), road furniture, Emergency component, Avenue Plantation are proposed.</p>
3	V Year – PR-IV a	In the Fifth year provisions are made only for maintenance of riding surface with patch provisions, Emergency component, Avenue Plantation.

**Year wise length for PBMC in SH roads are tabulated below:**

Sl. No.	Year	Widening & Improvements/ Strengthening (in km)
1	I year – IR	54.495
2	II year - PR-I	21.570
3	III year - PR-II	23.655
4	IV year - PR-III	11.414
5	V year – PR-IV	50.731
	V year – PR-IV(a)	36.450
	<b>SH Total =</b>	<b>198.315</b>

The total cost required for the State Highways PBMC (including IR, PR I –IV & MI) is **Rs. 351.64 Crore.**



Year wise cost abstract for SH roads excluding GST and other L.S provisions is as follows:

Rs. In "Crores"

Sl. No	Year	Length	Cost for IR / PR	Cost for Road Furniture	Cost for Maintenance	Cost for Others (Emergency Component & Avenue Plantation)	Total Cost in Cr
			Road Work including CD works				
1	I year – IR	54.495	118.03	12.35	3.32	0.383	134.09
2	II year – PR-I +MI-I	21.570	23.12	1.20	2.26	0.220	26.79
3	III year – PR-II +MI-II	23.655	25.73	1.32	2.15	0.220	29.42
4	IV year – PR-III +MI III	11.414	14.11	0.64	2.96	0.220	17.93
5	V year – PR-IV+MI IV	50.731	51.23	2.83	1.92	0.220	56.19
6	V year - PR-IV(a) +MI VIa	36.450	21.59	2.05	-	-	23.64
	<b>Grand Total =</b>	<b>198.315</b>	<b>253.81</b>	<b>20.39</b>	<b>12.61</b>	<b>1.263</b>	<b>288.06</b>

Year wise length for PBMC in MDR roads are tabulated below:

Sl. No	Year	Widening & Improvements/ Strengthening
1	I year – IR	116.760
2	II year - PR-I	17.039
3	III year - PR-II	30.440
4	IV year - PR-III	38.500
5	V year - PR-IV	46.044
	V year - PR-IV(a)	111.489
	<b>MDR Total =</b>	<b>360.272</b>

The total cost required for the Major District Roads PBMC (including IR, PR I – IV & MI) is **Rs. 363.36 Crore** .

Year wise cost abstract for MDR roads excluding GST and other L.S provisions is as follows:

Rs. in "Crore"

Sl. No	Year	Length	Cost for IR / PR	Cost for Road Furniture	Cost for Maintenance	Cost for Others (Emergency Component & Avenue Plantation)	Total Cost
			Road Work CD Works				
1	I year – IR	116.760	125.76	12.37	3.81	0.695	142.64
2	II year – PR-I +MI-I	17.039	12.11	0.92	3.67	0.398	17.10
3	III year – PR-II +MI-II	30.440	7.24	1.64	3.77	0.398	13.04
4	IV year – PR-III + MI-III	38.500	15.32	2.07	4.37	0.398	22.15
5	V year – PR-IV + MI_IV	46.044	38.69	2.47	3.14	0.398	44.70
6	V year PR-IV(a) + MI – IV(a)	111.489	52.16	5.99	0	0	58.15
	<b>Grand Total =</b>	<b>360.272</b>	<b>251.28</b>	<b>25.46</b>	<b>18.76</b>	<b>2.287</b>	<b>297.78</b>

The total cost required for the Minor Improvements to State Highways Roads is **Rs. 82.88 Crore** and Major District Roads is **Rs. 61.53 Crore**.

Year wise cost abstract for SH Roads and MDR Roads under MI component are as follows:

Rs. in "Crore"

Sl. No	Year	Length ( In Km)		Cost for MI	
		SH	MDR	SH	MDR
1	I year - IR	-	-	-	-
2	II year - MI-I	21.57	13.20	14.04	5.71
3	III year - MI-II	23.655	10.90	15.58	2.79

4	IV year - MI-III	11.414	16.29	8.54	5.72
5	V year - MI-IV	50.731	43.56	30.42	12.79
6	V year - MI-IV(a)	23.326	87.673	14.30	34.52
	<b>Grand Total =</b>	<b>130.696</b>	<b>171.623</b>	<b>82.88</b>	<b>61.53</b>

Year wise fund requirement for SH Roads and MDR Roads are as follows:

Rs. in "Crore"				
Sl. No.	Year	Total Cost		Total
		SH	MDR	
1.	I year – IR	122.75	130.53	253.28
2.	II year - PR-I +IR +MI-I	73.63	64.38	138.01
3.	III year - PR-II +MI-II	35.91	15.92	51.83
4.	IV year - PR-III+MI -III	21.89	27.03	48.92
5.	V year - PR-IV+MI-IV	68.60	54.55	123.15
6.	V year - PR-IV(a)+MI IV (a)	28.86	70.95	99.81
	<b>Grand Total =</b>	<b>351.64</b>	<b>363.36</b>	<b>715.00</b>

5. The Chief Engineer (Construction and Maintenance), Highways Department has therefore requested orders of the Government to accord Administrative Sanction for a sum of Rs.715.00 Crore, for the work of Initial Rectification including widening, Strengthening, Improvements and Performance Based Maintenance for 60 months in 198.315 Kms of State Highways and 360.272 Kms of Major District Roads in Sivagangai (Construction and Maintenance) Division, Sivagangai District.

6. The Government after careful examination, accept the proposal of the Chief Engineer (Construction and Maintenance), Highways Department and accord Administrative Sanction for an amount of Rs.715,00,00,000/- (Rupees Seven hundred and fifteen Crore only), for the work of Initial Rectification including widening, Strengthening, Improvements and Performance Based Maintenance for 60 months in 198.315 Kms of State Highways and 360.272 Kms of Major District Roads in Sivagangai (Construction and Maintenance) Division, Sivagangai District, subject to the condition that no tender excess will be sought for later as well as for material cost escalation during the 5 year period since escalation charges cover for it.

7. The Chief Engineer (Construction and Maintenance), Highways Department shall ensure that the Bid-Documents for the works are vetted by Government in Highways and Minor Ports Department at appropriate time.

8. This order issues with the concurrence of the Finance Department vide its U.O. No.57144/PW.I/2019, dated 14.11.2019.

**(BY ORDER OF THE GOVERNOR)**

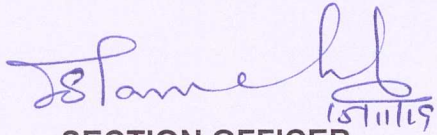
**S.K. PRABAKAR  
PRINCIPAL SECRETARY TO GOVERNMENT**

To  
The Chief Engineer (Construction and Maintenance),  
Highways Department, Chennai – 25.  
The District Collector, Sivagangai District.  
The District Treasury Office, Sivagangai District.  
The Accountant General (A&E) / Audit, Chennai – 18/35.

**Copy to:**

Office of the Hon'ble Chief Minister, Chennai – 9.  
The Private Secretary to Principal Secretary to Government,  
Highways and Minor Ports Department, Chennai-9  
The Private Secretary to Additional Secretary to Government,  
Highways and Minor Ports Department, Chennai-9  
The Finance (PW1/BG I/BG II) Department, Chennai – 9.  
The Director of Information and Public Relations, Chennai – 9.  
The National Informatics Centre, Secretariat, Chennai – 9.  
The Resident Audit officer, O/o the PAG  
(General & Social Sector Audit) Tamil Nadu, Chennai – 9.  
(C.No.10046/HQ1/2019)  
SF/SC.

**//FORWARDED BY ORDER//**

  
SECTION OFFICER.  
15.11.19