

Government of India
Ministry of Road Transport & Highways
(East Zone)

Transport Bhawan Parliament Street, New Delhi- 110001

File No.NH-12014/27/2026/BHR/East (C No. 268704)

Date:01.07.2026

TECHNICAL NOTE

(Job No.NH-727/BHR/2026-27/142)

1.	Name of work	Performance Based Maintenance Contract for the Maintenance from Km 64.00 (Parsauni) to Km 97 and from Km 97 to Km 104.20 of NH-727 Under NH Division Motihari for the year 2026-27	
2.	State/Division	Bihar/Motihari	
3.	NH No.	727 (Old NH 28B)	
4.	Estimated cost including agency charges & EPC centages	As proposed by the State PWD (Rs.)	As modified in the Ministry (Rs.)
		70.18 Cr	69.02 Cr
5.	Reference	(i) CE NH North RCD letter 1630 dated 19.05.2026, (ii) CENH (North) letter no. NH-24/Est.-12-28/2025-1130 (anu) dated 30.03.2026 (iii) EE NH Motihari mail dated 29.04.2026	

COMMENTS

Scope of the project: PBMC work from Km 64.00 (Parsauni) to Km 97 and from Km 97 to Km 104.20 of NH 727 Under NH Division Motihari for the year 2026-27

2. Provisions:

The provisions in the estimates have been categorized into three parts, the details of which is categorized as under:

(A) Initial Rectification: The stretch from Km 97 to Km 104.20 is under DLP up-to 09.11.2026. Hence, no IR work has been provisioned in the portion. However, the stretch from Km 64 to Km 97 was having DLP up-to 23.06.2025. Hence, IR amounting to Rs 413.17 Lakhs has been considered with following provisions-

- Providing and laying WMM for rutting/depression filling.
- Repair of Pots by DBM (75mm thick), BC (40 mm thick)
- Provision of road studs, road marking and signages etc.

(B) Periodic Maintenance:

- 40 mm Bituminous Concrete throughout the stretch and for junction improvement
- Profile correction in culvert portion.
- New PQC pavement with 300mm PQC, 150 mm DLC, 200mm GSB has been taken in 1.6 km stretch.
- Drain construction for total length of 3000m has been taken. Further, RCD has

confirmed that there is no LA involved.

- Road Marking with Hot Applied Thermoplastic, Providing and fixing of retro reflectorised cautionary, mandatory and informatory sign, Providing Road delineators, solar studs, Provision of Inspection Vehicle etc. has been taken.
- Provision of Paver blocks with 250mm GSB in shoulders from km 100.600 to Km 104.20.

(C) Routine Maintenance:

- Routine Maintenance has been taken @ Rs. 5.13 lakhs per km per year for 2L with P.S (Factor-1 for 31.321Km Main carriageway + Factor-0.68 for intermediate Lane without Paved shoulder/Service Road of 5.5 m width having length of 26.715 Km+ Factor 0.625 for single Lane with Paved shoulder in 3.585 Km length) as per Ministry's circular dated 06.07.2023 for a period of 5 years.

3. Cost Estimate

The rates for estimate have been derived from Bihar SOR 2025 effective from 20.06.2025, which is excluding Labour cess (@1%), GST (@18%) and seigniorages fees

Sr No.	Item	From Km 64 to Km 97 (Cost in Rs Lakhs)	From Km 97 to Km 104 (Cost in Rs Lakhs)	Total (Cost in Rs Lakhs)
1	Routine Maintenance	1206.294	120.525	1326.82
2	Initial Rectification	413.173	0.000	413.17
3	Periodic Maintenance	3297.091	319.413	3616.50
4	Total Civil Cost (A)	4916.558	439.938	5356.50
5	Add GST @ 18% on (A)	884.980	79.189	964.17
6	Labour Cess @ 1% on (A)	49.166	4.399	53.56
7	Seigniorage Fee	11.800	1.857	13.66
8	Total Civil Construction Cost including GST, Labour Cess and Seigniorage fee (B)	5862.504	525.383	6387.89
9	Contingency @ 1% on (A)	49.166	4.399	53.56
10	Agency charges @ 3% on (A)	147.497	13.198	160.69
11	Supervision charges @ 1% on (A)	49.166	4.399	53.56
12	Price Adjustment on Routine Maintenance+ Periodic Maintenance @ 5%	225.169	21.997	247.17
13	Total Cost including Centages	6333.501	569.377	6902.88

4. Design specifications including deviations, if any :

All material, design and construction operations for the project shall conform to the IRC-119-2015, IRC-37-2018, and IRC: SP: 84 -2019. Ministry standard specification Revision-V 2013 and other relevant IRC codes shall be adopted.

5. Specifications:

5.1 Traffic management during construction:-Traffic management should be done as per clause 112 of Ministry's specification, during the construction period it may be insured that the traffic is regulated in conformity to Ministry's guidelines stipulated in clause No.8.2.3 'Manual for construction and supervision of bituminous work.'.

5.2 The nomenclature and clause numbers of the items shall be specified as per

MORTH specification for Road and Bridge work 2013 (5th revision) and all the works shall be executed strictly as per Ministry's specifications/ Ministry's circular/ guidelines.

6. Contract Documents:

6.1 Standard PBMC RFP and draft contract documents issued vide Ministry's circular 06.07.2023, incorporating amendment issued vide Ministry's circular 15.02.2024 and all other amendments issued till date shall be followed.

6.2 State PWD shall ensure that bids should be invited using BIMS portal as well as existing system i.e. e-procurement procedure of CPPP portal as per Ministry circular No. RW/NH-37010/4/2010/PIC-EAP (Printing)vol.-IV dated 07.10.2019 and other extant Ministry Guidelines.

6.3 The contract period of subject Performance Based Maintenance Contract (PBMC) shall be 5 years as proposed by State PWD. The defect liability period is not applicable for works of routine maintenance such as pot holes/ patch repairs/ruts repairs under performance based BOQ item. For Periodic Maintenance (PM) works, the Defect Liability Period will be upto 30 days beyond the Contract expiry or 36 months from the date of Completion of Periodic Maintenance (PM) works whichever is later.

6.4 For maintenance of proper record of the execution of the work Photography/videography shall be taken by state PWD before, during and after execution of work and a digital copy of the same may be forwarded to Ministry/RO MoRTH for record in compliance to the Ministry's guidelines issued vide Circular No. NH-22023/16/2005-P&M dated 18.05.2005.

7. Invitation of tenders and award of works:

7.1 It may also be ensured that the guidelines issued by this Ministry's Circular No. RW/ NH- 34066/14/2018-S & R (P & B) dated 25th June, 2018, amending the General Financial Rule (GFR 2017)161(I & ii), 183(ii) and 201(ii) in respect of tender advertisements for procurement of Goods and Services replacing mandatory e-publishing of advertisement on Central Public Procurement Portal (CPPP) at www.eprocure.gov.in, GeM and Ministry / Department website is strictly followed.

7.2 Procedure as per instructions conveyed vide Ministry's letter no. RW/ NH-24035/4/2008/P&M/PIC-EAP dated 31.03.16 is to be adopted for award of works.

7.3 CE (NH), State RCD will intimate this Ministry about award of contract/commencement of work immediately as per instructions contained in this Ministry's letter no. RW/NH-11060/1/98-(DO-I) dated 05.11.1998.

7.4 The technical approval and financial sanction may lapse after six months from the date of its issue in case the work is not awarded within that period unless Ministry's approval to extension of the time limit is obtained.

7.5 While accepting tenders that the overall cost of estimate at tender rates including contingencies, work charge establishment and agency charges does not exceed by more than 5% of sanctioned cost.

7.6 Excess due to change of scope or enlargement / reduction of work or specifications as already approved in the sanctioned estimate would require prior approval of Ministry.

7.7 All the relevant Circulars and amendments regarding tender procedures issued from time to time by Ministry shall be followed. While finalizing the tender Central Vigilance Commission (CVC) guidelines circulated vide Circular No. 4/3/07 dated 03.03.2007 should be strictly followed.

8. General:

8.1 The provision of Project contingencies and agency charges should be utilized as per Ministry's circular letter no. RW/NH-24035/4/2008-P&M/PIC Vol.II dated 23.02.2018. For any other item, which is not covered in the above circular necessary approval of Ministry (in principle) with the recommendation of Concerned RO should be taken before execution. However, sub-estimate for the same should be got approved from Concerned RO, before execution.

8.2 Collection of material on the roadside should be so planned that it should commensurate with the physical progress of work and the collected material should not cause any hindrance to the traffic. It must be ensured that the contractor arranges for separate land for storage of road construction material and machinery and these shall not be allowed to be stacked on roadside.

8.3 No work beyond the scope of the sanctioned estimate leading to increase in the scope of the work or change in specification should be undertaken without obtaining prior written approval of the Ministry. In case, the estimate needs revision due to change in rates/tender rates for any reasons, the revised estimate shall be submitted immediately for Ministry's approval. No expenditure beyond permissible shall be incurred. In this connection, this Ministry's letter No. RW/NHIII/Coord/32/84 dated 19.5.84 and NH-11026/2/99-US (DI) dated 29.10.2001 may be referred.

8.4 In order to ensure that there is no slippage in achieving the targets, the progress may be closely monitored by EIC/CE (NH), PWD quarterly status report be furnished to the Ministry in the prescribed proforma.

8.5 During the course of execution, the traffic may be regulated in accordance with guidelines laid down vide Ministry's letter no. NHIII-33 (126)/72 dated 20.03.1973 and letter No.RW/NH-11060/1/1998-D.O.1 dated 07.10.1987. Smooth flow of the traffic may be ensured by providing adequate traffic control devices in accordance with stipulation of IRC: SP: 55:2014 "Guidelines on Traffic Management in Work Zone".

8.6 The display boards on development activities of the work shall be made as per guidelines issued vide Ministry's letter no. RW/NH-33044/ 10/2002-S&R (R) dated 26th May, 2003.

8.7 The work is to be carried out in accordance with the "Hand Book of Quality control for construction of Roads and Runways (Second Revision)-IRC SP:11-2003", observing strict quality control instructions contained in the Ministry's letter No. NH-III/P/I/83 dated 19 April 1984 and permanent records maintained thereof.

8.8 The independent quality control tests of all items from any of the accredited laboratories as per IRC: SP:94-2011 shall be carried out from the quality control provision in estimate to ensure the quality of work.

8.9 Neither the work nor any item of work shall be split into small parts for awarding the work to a number of contractors. In this regard, instructions issued in this Ministry's letter No. NH-III/P/25/84 dated 4/8/1984 may be referred.

8.10 Guidelines for Road Safety vide Ministry's letter No.RW/ NH-33072/04/2004-S86R(R) dated 27.04.2012 shall be followed wherever applicable.

9. Land Acquisition, Utility Shifting and Forest Clearance:

9.1 Land Acquisition: Not required.

9.2 Forest & Environmental clearance: Not required.

9.3 Utility Shifting: Not required

10. Cost of work:

10.1 The CE (NH), Bihar should satisfy himself/herself about the adequacy of the

rates and leads adopted in the estimate and the quarries proposed are the approved quarries for NH works with minimum leads.

10.2 The lead for the carriage of different materials as proposed in the estimate has been allowed for estimate purpose only. However, while calling tenders the sources may not be indicated. The contractor shall be responsible to procure the material conforming to specification of the work. No provision of extra lead during execution of the work shall be allowed.

11. **Phasing of work:** The following cumulative physical and financial targets may be achieved depending upon availability of funds: -

Year	Cumulative Progress		
	Financial (in Rs Lakhs)		
	IR and PM	Routine Maintenance	Total
2026-27	407	133	540
2027-28	4029	266	4295
2028-32	4936	1966.88	6902.88

(Alok Agrawal)
Executive Engineer
for DG (RD) & SS