

**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 1496
ANSWERED ON 13TH FEBRUARY, 2025**

MAINTENANCE OF NATIONAL HIGHWAYS

1496. SHRI. KRISHNA PRASAD TENNETI:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) the total budget allocated for the maintenance of National Highways during the last three years and the annual utilization of the allocated budget;**
- (b) the details of the National Highways that have undergone condition assessments during the last three years;**
- (c) the total length in kilometers of National Highways that have been upgraded or repaired during the last three years;**
- (d) the steps being taken to ensure the timely completion of repair works on National Highways and the measures used to monitor the performance of contractors; and**
- (e) the details on the extent of technology adoption in monitoring and enhancing the quality of repairs and upgrades on National Highways?**

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

- (a) Funds allocated and expenditure incurred by the Government on Maintenance and Repair (M&R) of National Highways (NHs) during the last three years are as under:-**

Amount in ₹ Crore		
Year	Allocation	Expenditure
2021-22	5,214	5,135
2022-23	6,510	6,278
2023-24	6,581	6,523

(b) Road condition assessment is carried out through Network Survey Vehicle (NSV) for the NHs stretches before start of work, before issue of completion certificate and thereafter at regular intervals of six months after completion of the work.

Status of NSV testing and subsequent uploading into Road Asset Management system (RAMS) for data management / analysis purpose is as under: -

Year	Length (in km)
2021	17,450
2022	39,652
2023	46,323
2024	38,097*
*- Provisional Figures; Final Figures after completion of Data Acceptance for Cycle 2	

(c) 33,137 km length of NHs has been constructed / developed / upgraded during the last three years. In addition, about 95,000 km length of NHs has been maintained / repaired under various types of M&R works during the last three years.

(d) and (e) The Government has prioritized the maintenance of existing NH network and inter-alia evolved a mechanism to ensure M&R of all NHs sections through accountable maintenance agency.

The M&R of stretches of NHs, where development works have commenced or Operation, Maintenance and Transfer (OMT) Concessions/ Operation and Maintenance (O&M) Contracts have been awarded, are the responsibility of the concerned Concessionaires/ Contractors till the end of the Defect Liability Period (DLP)/ the Concession Period. Similarly, for NHs stretches

undertaken under TOT (Toll Operate and Transfer) and InvIT (Infrastructure Investment Trust), M&R responsibility lies with concerned Concessionaire till the end of the Concession Period. No separate maintenance expenditure is recorded in respect of these NHs stretches.

For all remaining sections of NHs stretches, Government has taken a policy decision to undertake maintenance works through Performance Based Maintenance Contract (PBMC) or Short Term Maintenance Contract (STMC).

Repair of identified defects / issues in the road condition as well as other maintenance / repair works are completed by the Contractor / Concessionaire within the stipulated timeline as per provisions of the Contract. Compliance is ensured through penalty provisions incorporated in the Contract documents for action against defaulting Contractor / Concessionaire.

Government encourages the adoption of innovative technologies or methods to enhance the durability and reduce the maintenance requirements of NHs (depending upon factors like rainfall, terrain type, soil category etc.). Such innovative technologies or methods include stabilization of subgrade, geosynthetic reinforced layer(s) in sub-base / base, concrete roads / whitetopping, perpetual pavement, Hi-performance bituminous mixes, modified bitumen / bituminous mixes, Fiber Reinforced Concrete, Cement Grouted Bituminous Mixes, intelligent compaction etc.

Further, App based monitoring through NHAI One / Tatpar App facilitates efficient highway project management by the internal stakeholders (Field officers / Engineers / Contractors / Concessionaires) directly from onsite, through digital reporting of daily and monthly defects, submission of geo-tagged and time-stamped photos for inspections and digital uploading of test results.
