

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

**LOK SABHA  
UNSTARRED QUESTION NO. 2240  
ANSWERED ON 12<sup>TH</sup> FEBRUARY, 2026**

**DAMAGE TO ROADS, BRIDGES AND EXPRESSWAYS DUE TO  
RAINFALL**

**†2240. SHRI BHUMARE SANDIPANRAO ASARAM:  
SHRI NILESH DNYANDEV LANKE:  
DR. SHIVAJI BANDAPPA KALGE:  
SMT. DELKAR KALABEN MOHANBHAI:**

**Will the Minister of ROAD TRANSPORT AND HIGHWAYS**

सड़क परिवहन और राजमार्ग मंत्री

**be pleased to state:**

**(a) whether the Government maintains any data of the recent incidents of damage caused to newly constructed roads, bridges and expressways due to rainfall in various parts of the country and if so, the details thereof;**

**(b) the number of such failures in infrastructure constructions reported in the country, particularly in Maharashtra, UT of Dadra and Nagar Haveli and Daman and Diu and other States/UTs during the current financial year 2025-26, project and State/UT-wise along with the reasons identified for these failures;**

**(c) whether any action including blacklisting or imposition of penalties has been taken against the contractors or agencies found responsible for the said failures and if so, the details thereof; and**

**(d) the steps being taken by the Government to ensure better construction quality, drainage design and climate resilience in future highway projects in the country particularly in the UT of Dadra and Nagar Haveli and Daman and Diu?**

## **ANSWER**

### **THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS**

**(SHRI NITIN JAIRAM GADKARI)**

**(a) to (c) The Government in Ministry of Road Transport and Highways (MoRTH) is primarily responsible for development and maintenance of National Highways (NHs).**

**Major damages in newly constructed NHs / National Expressways, including structures (like bridges etc.) thereon, due to rainfall, have been reported for 51 projects / stretches during the current Financial Year (FY) 2025-26, State / Union Territory (UT) – wise details of which along with action taken are at Annexure.**

**(d) All efforts are made to ensure that the National Highways (NHs), including for the UT of Dadra and Nagar Haveli and Daman and Diu, are constructed as per stipulated quality standards specified in the Indian Roads Congress (IRC) specifications and codes. To ensure that highway construction adheres to stipulated quality standards, Consultants [Authority's Engineer (AE) / Independent Engineer (IE)] are appointed by the executing agencies for day-to-day supervision of works at site. Officials of executing agencies undertake inspections from time to time and ensure adherence of conformity of quality of the work done by the Concessionaire / Contractor with stipulated requirements.**

**Deficiencies observed, if any, are brought to the notice of the Concessionaires/ Contractors for taking up necessary corrective / remedial actions as stipulated in technical schedules of the Contract/ Concession Agreement or within a reasonable period as decided by the executing agency / AE / IE.**

**The Government in Ministry of Road Transport and Highways has initiated monitoring of the quality including defect rectification in NHs projects through mobile based application. This 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.**

**The Government has taken the following additional initiatives for improvement of quality control systems in implementation of NHs works, some of which are as stated below: -**

- i. Mandatory assessments of road conditions through Network Survey Vehicle (NSV) before start of work, before issue of completion certificate and thereafter at regular intervals of six months after completion of the work, thereby enabling quality assessment of NHs at regular intervals for (a) ensuring the maintenance during Concession period / DLP and (b) prioritizing maintenance requirements to maintain NHs in traffic worthy condition. NSV system for road condition assessment has further been revamped using analytics for enforcement of contractual provisions during Operation and Maintenance (O&M);**
- ii. Analysis of High-Resolution Imagery collected from Drone Surveys in Drone Analytics Monitoring System (DAMS) integrated with Artificial Intelligence / Machine Learning algorithms for periodic evaluation of progress and quality of ongoing NHs works from time to time;**
- iii. Deployment of Mobile Quality Control Vans (MQCVs) equipped with Non-Destructive Testing Equipment on pilot basis in four States, namely in Gujarat, Rajasthan, Odisha and Karnataka, for diagnostic assessments of overall health and quality of works from time to time during project implementation phases. Decision has been taken to diversify this initiative in some more States;**
- iv. Deployment of Third Party Quality Auditors for independent quality audits of NH works on a case-to-case basis;**

**v. Adoption of Automated & Intelligent / Machine-aided Construction (AI-MC) in NH projects.**

**Aspects of rainfall, high flood level, climate, type of terrain, soil category etc. are invariably taken into consideration during preparation of Detailed Project Report (DPR) for all NH development / upgradation projects. Accordingly, construction of roadside lined / unlined drains, Cross Drainage structures viz., Culverts, Minor & Major bridges across natural streams / drainage etc., are carried out as per scope of contract for the project by the Contractor / Concessionaire as per standard specifications and Indian Roads Congress (IRC) codes.**

**ANNEXURE****ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF LOK SABHA UNSTARRED QUESTION NO. 2240 ANSWERED ON 12.02.2026 ASKED BY SHRI BHUMARE SANDIPANRAO ASARAM, SHRI NILESH DNYANDEV LANKE, DR. SHIVAJI BANDAPPA KALGE AND SMT. DELKAR KALABEN MOHANBHAI REGARDING DAMAGE TO ROADS, BRIDGES AND EXPRESSWAYS DUE TO RAINFALL****State / UT – wise details of major deficiencies / damages reported in newly constructed NHs / National Expressways, including structures (like bridges etc.) thereon, due to rainfall, during the current FY 2025-26 along with action taken: -**

State	S. No.	Project / Stretch Name	Details of Major damages / defects	Action Taken
Gujarat	1	Sanchore-Santalpur Package-4 (NH-754A)	Ruts, cracks and surface deformation / Distress was observed after rains in June 2025; severe rutting at some locations.	Show Cause Notice issued to Contractor. Based on Expert team report, Contractor directed for rectification of damaged location. Rectification work under progress.
Himachal Pradesh	2	Kiratpur-Manali section (NH Nos. 205, 154, 03)	15.165 km damaged	Kullu Manali connected by temporary restoration; traffic plying in 2 lane; Manali Bypass connectivity restored. Bids for permanent restoration of 9 Nos. locations received and for other locations bids invited.
	3	Parwano-Solan-Shimla section (NH-5)	0.68 km damaged	Landslide removed from all locations and traffic is through.
	4	Shimla- Mataur section (NH Nos. 205, 103, 03, 503)	2.595 km damaged	Temporary restoration completed. Permanent restoration completed except at 2 locations.
	5	Pathankot-Mandi section (NH-154)	2.165 km damaged	Temporary restoration works completed. Permanent restoration works taken up.
	6	Banikhet - Chamba – Bharmour (NH-154A)	13.5 km damaged	Traffic through. Permanent restoration works taken up.
	7	Sainj – Luhri – Aut (NH-305)	21.38 km damaged	Traffic through. Permanent restoration works taken up.
	8	Theog – Hatkoti (NH-705)	9.35 km damaged	Traffic through.
	9	Shimla – Rampur -Wangtoo-Kaurik (NH-5)	38.75 km damaged	Traffic through. Permanent restoration works taken up.
	10	Snail – Hatkoti (NH-707)	3.16 km damaged	Traffic through. Permanent restoration works taken up.
	11	Mcleodganj – Dharamshala (NH-503)	1.56 km damaged	Traffic through. Permanent restoration works taken up.

State	S. No.	Project / Stretch Name	Details of Major damages / defects	Action Taken
	12	Bankhandi – Bhota (NH-503A)	0.23 km damaged	Traffic through. Permanent restoration works taken up.
	13	Hamirpur-Karnohal-Kalwahn-Mandi (NH-3)	11.08 km damaged	Traffic through. Permanent restoration works taken up.
Jammu & Kashmir	14	Domail-Katra-Reasi-Bhamla road (NH-144)	Land slides, settlement & sinking of roads, culverts damage, damage to protection walls	Temporary restoration works completed; Traffic movement restored.
	15	Akhnoor-Poonch road (NH-144A)	Sinking of road, damage to protection walls, culverts and lined drains	Temporary restoration works completed; Traffic movement restored.
	16	Chenani- Sudhmahadev road (NH-244)	100m road washed away, affecting 220 m diversion road constructed by cutting hill side. Breast wall, drains, retaining walls damaged in 2.066 km.	Temporary restoration works completed; Traffic movement restored. Permanent restoration works in progress.
	17	Batote to Thathri section (NH-244)	Due to extensive landslide, Retaining Wall & Carriage way damaged.	Temporary restoration works completed; Traffic movement restored. Permanent restoration works in progress.
	18	Thathri-Drabshalla- Chatroo section (NH-244)	Due to extensive landslide, Retaining Wall & Carriage way, box culvert damaged.	Temporary restoration works completed; Traffic movement restored. Permanent restoration works in progress.
	19	Chatroo-Sinthantop- Vailoo section (NH-244)	Due to extensive landslide, Protection work / Road surface damaged.	Permanent restoration works completed.
	20	Goha-Khellani road (NH-244)	Due to extensive landslide, Retaining Wall & Carriage way damaged.	Temporary restoration works completed; Traffic movement restored. Permanent restoration works in progress.
	21	Pathankot – Jammu section (NH-44)	(i) Damage to three spans of the RHS 2 lane Devak bridge due to settlement of two piers. (ii) Damage to abutment and RHS span bridge on Ravi river (iii) Damage to three spans of LHS 2 lane bridge at Khaderu. (iv) Scouring and Damage to apron/ floor protection of bridges.	Temporary restoration works completed; Permanent restoration works in progress.
	22	Jammu - Udampur section (NH-44)	Massive land slides at Batra Hospital, Sidhra, Nagrota, Bann, Jhajjar Kotli and Sangoor.	Temporary restoration works completed; Permanent restoration works in progress.
	23	Udampur - Chenani section (NH-44)	Abutment and bridge span damaged at Tharad. RCC Retaining wall and road carriageway fully damaged at Balia Nala.	Temporary restoration works completed; Permanent restoration works in progress.
	24	Nasri- Ramban section (NH-44)	Approach of tunnel is damaged and chocked with muck.	Temporary restoration works completed; Permanent restoration works in progress.
	25	Ramban- Banihal section (NH-44)	The valley side retaining wall has been damaged.	Permanent restoration works completed.

State	S. No.	Project / Stretch Name	Details of Major damages / defects	Action Taken
Kerala	26	Neeleshwaram-Thaliparambha Section of NH-66	Unprotected soil slip in the cut section with debris deposition on carriageways.	Rectification work carried out and traffic restored with precautionary barricading in median portion.
	27	Six laning from start of Valanchery bypass to Kappirikkad section of NH – 66 (old NH-17) from Design Ch. 298+500 (Ex. km 304.250) to Design Chainage 335+850 (Ex. km 349.260)	RE wall collapsed	Debarment of Contractor and Independent Engineer firm from participating in ongoing/future bidding for 01 month period or completion of investigation by the expert Committee whichever is later.
Madhya Pradesh	28	Balaghat-Gondia section of NH 543	During construction period, due to ingress of water on account of unprecedented rainfall, the shoulder and high embankment failed leading to visible defects in pavement layers.	Show Cause notice issued to Contractor; also, Quality Audit of the section carried out through independent Auditor.
	29	Jhansi-Khajuraho (Pkg-1) section of NH-39	During heavy rains, ingress of water resulted in failure/collapse of RE wall at Chainage 61+100 (LHS) of the ROB.	Show Cause notice issued to Concessionaire.
	30	Tejainagar - Balwara Section of NH-347BG	During construction stage, sudden collapse of earth mass at crown of under construction tunnel portal at Km. 32+630 led to casualty of 02 workers; the preliminary study/examination has indicated that design failures/incomplete works followed with heavy rains have resulted in failure.	Show Cause notice issued to Concessionaire.
	31	Gwalior Shivpuri Section of NH-3	RE wall bulging led to collapse of 02-03 panel of A-1 (LHS) of RE wall approaches of ROB at Km 109+900	Risk and Cost Notice issued to Contractor. Rectification works under progress.
Maharashtra	32	Udgir -Ravi-Degloor section of NH-63	Approaches to certain minor bridges washed out; Bridge return wall and wearing surface damaged.	Temporary restoration work completed. Traffic is through.
	33	Osmannagar to Kundral (NH-161A)	Left & Right side road earthwork & subgrade side Shoulder swept away due to flood. Existing Cross Drainage Work and road length heavily damaged due to overtopping due to heavy flood.	Temporary restoration work completed. Traffic is through.
	34	Ghat portion on Fulsawangi to Mahur section on NH 752I	Landslide in ghat portion. Severe erosion noticed to the road carriageway. Damage to the existing HPC.	Temporary restoration work completed.
	35	Tiruka bridge on NH-50	Existing Minor Bridge overtopped due to heavy flood. Minor bridge towards Udgir side Approach Road earthwork & subgrade, side Shoulder swept away	Existing realignment section. Necessary repair work done.

State	S. No.	Project / Stretch Name	Details of Major damages / defects	Action Taken
			due to flood. Minor Bridge Railing & bridge wearing Course swept away due to flood.	
	36	Rehabilitation and Upgradation of NH-61 from end of Ahmendnagar Bypass to Kharawandi Kasar (Section of Km 232+000 to 284+000)	Landslide in Karanji ghat section; complete damage to approach road embankments at various bridges and culverts, severe damage to side shoulders and development of numerous potholes.	Temporary restoration work completed. Traffic is through.
	37	Km 137.000 to 147.000, 150.000 to 152.800, 156.000 to 160.000 & 211.600 to 217.700 of NH-160A	Washed out BT stretch, water logging.	Flood Damage Repair work approved.
	38	Buldhana Khamgaon (NH-753E)	1 Pier of Minor Bridge damaged on upstream side of river; also bulging of existing piers.	Rectification work through maintenance contractor.
	39	Mahad to Raigad Fort Road of NH-166F	Due to heavy rain, Land slide occurred & Potholes were observed.	Flood Damage Repair work approved.
Nagaland	40	Ch. 191.980 Km to 192.060 Km (Near Phesama Village) of NH-02 between Kohima and Mao	Subsidence zone triggered; sunk for about 22 m in a length of 110-150 m.	Damaged road portion restored through maintenance contract.
Punjab	41	Jalandhar - Pathankot/ J&K Border section of NH-44	Major bridge over river Ravi damaged due to excessive discharge of flood water from Ranjit Sagar Dam and Madhopur barrage.	Traffic through. Permanent restoration works taken up.
Rajasthan	42	Construction of 6-lane access-controlled Greenfield highway from km 28+70 to Km. 53+0 of Sangariya (near Chautala)-Rasisar (near Bikaner) section of NH-754K as a part of Amritsar-Jamnagar Economic Corridor	Deficiencies in riding quality and settlement at some locations observed	(i) Damage of Rs. 50.00 Lakhs imposed upon the Contractor. (ii) Two key personnel of Authority Engineer team were terminated due to poor supervision.
	43	Limchigad Bridge (NH-34)	Bridge Collapse	100 Ft Bailey Bridge launched.
	44	Kalgadi Bridge, km 238, Ramnagar-Pauri Section of NH-309	Bridge Collapse	45 m Bailey Bridge Installed
Uttarakhand	45	Tamak bridge, Km 41.050 on Surraithota-Malari Road (NH-107B)	Bridge Collapse	Temporary diversion constructed.
	46	Pangti Bailey Bridge at Km 52.75 on the Joshimath-Malari Road (NH-107B)	Bridge Collapse	New bridge is already under construction

State	S. No.	Project / Stretch Name	Details of Major damages / defects	Action Taken
	47	Rudraprayag – Gaurikund (NH-107)	Sinking of 500 m road at Km 1.5 and 500 m road at Km 35.99 due to heavy rainfall & river erosion on valley side	Temporary restoration completed. Landslide treatment work executed at Km 35.99. DPR under preparation for Landslide treatment work at Km 1.5.
	48	Dharali (Km 19.00 to Km 19.400), Harshil (Km 23.4 to Km 24.00), Sonagad (Km 46.850), Balkandar (Km 46.200), Dabrani (Km 48.050), Limchigad (Km 53.5), Papadgad ( Km 67.00), Bhatwari (Km 69.100), Maneri (Km 87.00) of NH-34	Road sinking, wash out	Temporary restoration completed. Permanent restoration works under progress.
	49	Jeevan Ashram (km 139) of Nh-707A	150 mtr road washed out	Temporary restoration completed through construction of diversion road. DPR under preparation for Landslide treatment work.
West Bengal	50	Berhampore – Farakka Section of NH-12	Potholes, cracking, rutting, edge breaking etc.	Penalty of Rs. 14.693 Lakh imposed on Concessionaire for breach of maintenance obligation of Berhampore Bypass
	51	Sevoke – Rangpo section of NH-10	Road sinking and landslide	After the occurrence of the landslide, Contractor was directed to immediately mobilize required machinery to the damaged site and carry out necessary repair works.

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