

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

**LOK SABHA
UNSTARRED QUESTION NO. 2782
ANSWERED ON 08th AUGUST 2024**

STABILITY AND PROGRESS OF INFRASTRUCTURE

2782. MS. S JOTHIMANI:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

(a) the details of highway infrastructure built during the last five years and the current year;

(b) the details of road and highway infrastructures collapsed during the said period:

(c) the details of infrastructure projects sanctioned during the said period, State-wise; and

(d) the details of infrastructure projects that are yet to be completed?

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) Total 58,635 km National Highways (NHs) has been constructed over the last five years and the current year.

(b) The Ministry is primarily responsible for development and maintenance of NHs. There have been a few incidents of collapse of bridges/ tunnels in the country during last five years and in the current year. Details are at Annexure-I.

(c) The State/UT - wise details of projects awarded during the last five years and the current year, is at Annexure-II.

(d) At present, 1,379 projects of this Ministry are under construction across the country.

ANNEXURE-I**ANNEXURE REFERRED TO IN REPLY TO PARTS (b) OF LOK SABHA UNSTARRED QUESTION NO. 2782 FOR ANSWER ON 08.08.2024 ASKED BY MS. S JOTHIMANI REGARDING STABILITY AND PROGRESS OF INFRASTRUCTURE****The details of collapse of bridges/ tunnels in the country during last five years and in the current year**

(i) Existing Permanent Bridges and Temporary Bailey Bridges							
S. No.	NH No.	State	Name of the Bridge/ Location	Details	No. of Lives Lost	Calendar / Financial Year of Collapse	Action taken against Defaulting Contractor/ Concessionaire
1	4	A & N Islands	Bailey Bridge @ Thoratang; Km 206+000	Existing Bailey Bridge collapsed in the Month of Jun 2019.	NIL	2019	Penalty of Rs. 20.00 lakh imposed on the EPC Contractor for improper maintenance of the Bridge.
2	716	Andhra Pradesh	Papagni Bridge at Km 153/200	There are total number of 72 spans of 6.70 Mts . Out of which 14 No's of Spans were collapsed , due to flood on 20.11.2021.	0	2021-22	The bridge was constructed by the State (R&B) Department on 1977. Hence, no action was taken.
3	565	Andhra Pradesh	Lingasamudram Bridge at Km 466.750 in Penchalakona -	Floods occurred during NIVAR Cyclone in November 2020 and a vent washed away at	0	2020	The stretch handed over from MoRT&H on 07.02.2019 for which DLP was completed on 15.04.2018

			Yerpedu section of NH 565.	Lingasamudram Bridge at Km 466.750 in Penchalakona - Yerpedu section of NH 565.			
4	313	Arunachal Pradesh	Km 120	Bailey bridge failed due to overloading.		2021-22	
5	713	Arunachal Pradesh	Kurung River-Bailey Bridge at chainage Km.128+038 on Road Joram -Koloriang, NH-713	Exsiting Bailey Bridge on Kurung River at Ch 128+038 of Joram - Koloriang Road Projects Pkg-08 collapsed on 30.06.2024 due to Flash Flood.	NIL	2024	To restore Traffic a PMGSY Road from Kurung Bridge to Koloriang via Rengchi Village amounting to a length of 8 Km has been strengthened and all traffic is going Through. A 130 Feet DDRB Bailey Bridge is under Construction and likely to get Completed by 31.08.2024. As a Permanent measure, a permanent Bridge will be Constructed is due Course of time.
6	313	Arunachal Pradesh	Dree-River Bailey Bridge at chainage Km. 120.00 on Road Hunli-Anini, NH-313	Dree-River Bailey Bridge on Hunli-Anini road at chainage Km. 120.00 collapsed on 06/04/2021 (NH-313) due to Over loaded Vehicle.	NIL	2021	A 190 Feet Bailey Bridge was Constructed to keep the line of Communication through. As a Permanent measure, a permanent bridge with load class 70 R has been Constructed and put to use.
7	AIP-NH	Arunachal Pradesh	1. Ego RCC Bridge at Chainage Km. 67.00 on Road Akajan-Likabali-Bame.	1. Ego RCC Bridge under Akajan-Likabali-Bame road at chainage Km. 67.00 collapsed on 18/09/2020 due to Flash Flood.	NIL	2020	To restore Traffic a 130 Feet Bailey Bridge was Constructed to keep the line of Communication open. Permanent Bridge at this location has been Constructed.

8	754K	Gujarat	Jatawada bridge at km 226/473	Due to heavy rain in monsson 2022-23 in Rapar, Dist. Kachchh region, scouring in pier foundation of this 2-span minor bridge, pier settled down and bridge collapsed.	Nil	2022	It was an old bridge was constructed by State Government before declaration of NH. Therefore, the matter does not pertains to this Ministry.
9	105	Himachal Pradesh/ Haryana/ RO HP	7.706 (vill. Charaniya) [Length = 54 m (6x9.0)]	Due to flash flood occurred on account of unprecedented heavy rainfall (natural calamity) in the month of July/August 2023, 03 nos existing bridges constructed by Public Works Department collapsed in Haryana/ Himachal Pradesh state at Ch. 7+706, Ch. 14+020 & Ch. 17+661 in NH 105 section of Pinjore-Baddi-Nalagarh.	Nil	2023-24	Nil
10	105	Himachal Pradesh/ Haryana/ RO HP	14.020 (vill. Marranwala) [Length = 107.2 m (16x6.7)]	Due to flash flood occurred on account of unprecedented heavy rainfall (natural calamity) in the month of July/August 2023, 03 nos existing bridges constructed by Public Works Department collapsed in Haryana/ Himachal Pradesh state at Ch. 7+706, Ch. 14+020 &	Nil	2023-24	Nil

				Ch. 17+661 in NH 105 section of Pinjore-Baddi-Nalagarh.			
11	105	Himachal Pradesh/ Haryana/ RO HP	17.661 (Baddi / Barotiwala) [Length = 188 m (20x9.4)]	Due to flash flood occurred on account of unprecedented heavy rainfall (natural calamity) in the month of July/August 2023, 03 nos existing bridges constructed by Public Works Department collapsed in Haryana/ Himachal Pradesh state at Ch. 7+706, Ch. 14+020 & Ch. 17+661 in NH 105 section of Pinjore-Baddi-Nalagarh.	Nil	2023-24	Nil
12	44	J&K	(km 46+305 to km 46+864)/ Tarnah Bridge	Due to heavy rainfall in Kathua district (229 mm on upstream barrage location) on 19.07.2023(early morning), the floor protection of the bridge got completely damaged in 05 spans. 03 Foundations (P 23, P 24 & P 25) got settled. The Tarnah river never attained this level. Increase in water level in the river started eroding the upstream side protection	Nil	2023-24	Event was a Natural Calamity wherein excessive discharge due to unprecedented rains caused scouring beyond the prescribed design limits and damaged 3 pier foundations and caused settlement of spans. The damaged spans are being reconstructed with design as per extant IRC guidelines. No such action taken.

				wall of floor protection of the bridge having shallow foundations resulting in caving underneath the foundations.			
13	46	Madhya Pradesh	77.900	Failure due to overloaded truck on dilapidated Bridge	0	(2022-2023)	FIR was launched against the transporter of the heavy consignment and legal notice was also served by PIU-Harda.
14	44(7)	Maharashtra	Birdge over Nag River Nagpur at Ch. 1/250	<ol style="list-style-type: none"> 1. Bridge collapsed on 23/09/2023 2. Year of construction 1974 as observed in Masonry Register 3. Bridge was already in dilapidated state and due to Heavy Floods 	-	2023	Does not arise
15	37	Manipur	Irang Bailey Bridge (Irang River)	<p>Old Irang TDR Bailey bridge was collapsed on May 2024; due to Remal cyclone (heavy rain). However a permanent 4-Lane 123m span RCC 70 R has been constructed adjacently & is open to traffic. Hence construction of New bailey bridge is not</p>	NIL	2024-25	-

				required.			
16	102B	Manipur	Khuanggin Bridge Bailey Bridge at Ch 120.900	Length of bailey bridge 180 ft. Year of construction 1994, collapsed due to Flash Flooding and overloading.	NIL	2022-23	-
17	37	Manipur	Irang Bailey Bridge (Irang River) (120.9 Km)	Old Irang DDR Bailey bridge was collapsed on May 2022; due to scouring of the abutment due to heavy incessant rain New TDR bailey bridge was constructed & open to traffic on Aug 2022.	NIL	2022-23	-
18	37	Manipur	Irang Bailey Bridge (Irang River)	Old Irang DDR Bailey bridge was collapsed on Nov 2020; due to plying of overloaded truck New DDR bailey bridge was constructed & open to traffic on Dec 2020	1	2020	-
19	62	Meghalaya	Km217	Washed out due to high flood	0	2022-23	NA
20	217	Meghalaya	203rd Km of Ch. 150.00 m Bakla Bridge	Bailey Bridge. Failure of super structure due to overloading beyond Bridge Capacity.	Nil	2024	No

21	16	Odisha	At Km. 79+614 on Chandikhole -Bhadrak section	The Major Bridge is an existing bridge, which retained during upgradation from 4-lane to 6-lane. The Bridge was constructed in the year 2007/2008 by M/s. Gammon India Limited. The six-laning work was awarded to the Concessionaire M/s DBL Chandikhole Bhadrak Highways Limited and work has been completed w.e.f. 19.02.2023. New DPR Consultant engaged for preparation of DPR for the damaged bridge and tender invited, work will be commence very soon	0	2023-24	(1) Penalty of Rs.5 crore imposed on the Construction Contractor, M/s.Gammon India Ltd. (2) Penalty of Rs.20 lakh imposed on the then Supervision Consultant i.e. M/s.LBLL-NICE(JV) of Construction of Bridge. (3) Debarment of DPR Consultant M/s Sheladia Associates for 1 year. (4) The cost of entire remedial measures / reconstruction including cost of DPR preparation recovered from the existing Concessionaire M/s DBL Chandikhole Bhadrak Highways Limited (5) Penalty of Rs.20 lakh and debarment for 1 year on Independent Engineer M/s.TPF Gentisa Eurostudios S.L with Segmental (6) Debarment for 3 years against the then Shri R K Singh, Sr. Bridge Engineer from Supervision Consultant i.e. M/s.LBLL-NICE(JV)
22	326	Odisha	Km 297/520	Old Bridge	0	2022-2023	Not applicable
23	510	Sikkim	0+200 (Sirwani Bridge)	Due to excessive rainfall & Glacial Lake Outburst Flood (GLOF) at South Lhonak in North Sikkim resulting flash flood in teesta river.	NIL	2023-24	-

24	208	Tripura	Steel Bailey Bridge over River Sonaichhara existing Ch. 180.00. Telaimaura-Harina Section.	Steel Bailey bridge collapsed due to Ageing, dilapidated condition & Overloading	NIL	2022-23	The section was taken over from the State PWD, and the steel bridge was already in a dilapidated condition. It collapsed due to aging and overloading. Therefore, no action was taken against the contractor.
25	208	Tripura	Steel Bailey Bridge at existing Ch. 167.00. Telaimaura-Harina Section,	Steel Bailey bridge collapsed due to Ageing, dilapidated condition & Overloading	NIL	2021	The section was taken over from the State PWD, and the steel bridge was already in a dilapidated condition. It collapsed due to aging and overloading. Therefore, no action was taken against the contractor.
26	730	Uttar Pradesh	Minor Bridge (Ch. 241+704)	Due to heavy flood		2022-23	

(ii) Under Construction Bridges							
S. No.	NH No.	State	Name of the Bridge/ Location	Details	No. of Lives Lost	Calendar / Financial Year of Collapse	Action taken against Defaulting Contractor/ Concessionaire
1	131G	Bihar	Km 11+800	A girder collapse incident occurred during construction activities, attributed to a mechanical failure that took place while a Hydra crane was being used to position shuttering for cross-girder work.	0	2022-2023	Two persons from Supervision Consultants and Two persons from Contractor side suspended from the Project. Further, necessary safety measures were suggested by Expert Committee to avoid further mishappenings.
2	20	Bihar	Km 133+720	One no of PSC Girder fallen down during erection due to the Winch failure of Crane of Elevated Structure.	1	2022-2023	Two persons from Supervision Consultants and Two persons from Contractor side suspended from the Project. Further, necessary safety measures were suggested by Expert Committee to avoid further mishappenings.
3	527A	Bihar	Km 10.270 to 10.330 (P154-P153)	A girder collapse incident occurred during construction activities, attributed to a mechanical failure	1	2023-24	Chief Project Manager & Engineer (Launching) of Contractor and Team Leader cum Senior Bridge Engineer & Assistant Bridge Engineer of Authority's Engineer worked at the time of Collapse have been suspended by the Authority (NHAI).
4	248BB	Delhi	GSS-3 P8-P9	2022-23. One span of under construction flyover toppled due to mechanical failure of jacks	1	2023	Strict Warning issued to Contractor
5	248BB	Delhi/ Haryana	Spin Girder Pillor No. 107-108 & 108-109	2020-21. Two spans of under construction flyover collapsed.	0	2021	Levied Penalty of Rs. 6.67 Cr. on Contractor & shall not be bidding in any of the Bids of NHAI for 03 Months.

6	NH-248A	Delhi/Haryana	Span Girder Pillar no.10	2020-21: One span of under construction flyover collapsed.	0	2020	Levied Penalty of Rs. 3 Crore on the contractor and shall not be bidding in any of the bids of NHAI consisting major structure works for 6 months.
7	58	Gujarat	ROB at LC no 165	Due to some reason the six girder of 1 span of the ROB toppled and collapsed.	2	2023	Government of Gujarat constituted an Expert Committee to investigate the incident for taking action against the contractor.
8	NH-66	Kerala	Pullur Ch 78+971	Slipped off the girders (9 Nos) during the deck slab at pullur 20m skew bridge at Km 78+971 on the project stretch of Chengala Neeleshwaram section of NH-66 on 08.05.2024 at 4.40pm	No casuality happened	2024-25	Show cause notice issued by RO-Kerala to Concessionaire&Consultant vide Ro letter no. 12448/RO-Kerala/Chengala-Neeleshwaram/MEIL/1594 Dt. 31.07.2024
9	NH - 66	Kerala	Ch.174+150 (Thalssery-Mahe Bypass Section)	01 Bridge (4 girders collapsed)	Nil	2020	1. Penalty of Rs. 1.00 Cr imposed on Contractor and Penalty of Rs. 20.00 lakhs imposed on Authority's Engineer 2. Team Leader, Bridge Engineer of Authority's Engineer was terminated from project and debarred for a period of 2 years 3. Project Manager of Contractor was terminated from project. 4. Contractor was debarred from participating in Tender for a period of 1 year
10	66	Kerala	Km 72+297 VUP (LHS)	Collapsed during the concreting due to staging failure	0	2022-23	Action taken on Concessionaire & Consultancy agencies. Suspended Key persons up to 4 months and Penalty Imposed.
11	66	Maharashtra	Chiplun flyover (48/850)	No such case of Bridge collapsed on the National Highway after opening for traffic has occurred since 2019-20 in Jurisdiction of National	0	2023-24	The expert committee of 3 bridge experts is formed and the matter is under review. The bridge is now under construction with suitable modified design by the

				Highway division. However on 16.10.2023 girder of under construction chiplun Flyover during launching.			concessionaire at its own cost.
12	16	Odisha	At Km. 96+326 on Chandikhole - Bhadrak section	<p>During the pouring of concrete in deck of slab of under Construction Bridge, the deck slab was collapsed. As per investigation of Expert Committee; the collapse happened due to the absence of some minor/negligible arrangement on the part of Concessionaire. The Concessionaire executed the remedial measures, as per the suggestion/ recommendation of Expert Committee, by dismantling the Slabs of A1P1, P1P2 and Top layer of Concrete in the Abutment and Pier walls</p>	0	2021-22	Penalty of Rs.30 Lakhs on the Concessionaire and penalty of Rs.5 Lakhs on the Independent Engineer. Team Leader of IE and Key Personnel of Concessionaire was suspended
13	510	Sikkim	Singtam-Tarku NH-510 Km 0+070	Due to excessive rainfall & Glacial Lake Outburst Flood (GLOF) at South Lhonak in North Sikkim resulting flash flood in teesta river.	2	2023	-

14	45/36	Tamil Nadu	Anaikarai Major Bridge at 107+400	<p>1.A Segmental Girder between P16 and P17 of RHS Carriageway fell down due to mechanical failure of hydraulic jacks at Km 107+400 Anaikarai Major Bridge across Kollidam river on 22.01.2022.</p> <p>2.The instant mishap has been categorized into minor failure which occurred due to non-robust temporary structure/launching-lowering system as opined by Expert Committee.</p>	0	2022	<p>Three Key personal of the Independent Engineer (2 Nos) and Site Engineers (2 Nos) of the Concessionaire has been suspended and blacklisted with immediate effect of mishap. The Concessionaire firm has been restrained from participating in any NHAI bids till further orders. The Competent Authority has directed to impose a financial penalty of Rs.7.305 Crore, being 0.5% of the BPC on Concessionaire/Promoter of Concessionaire (Patel Infrastructure Ltd) for the lapses/laxity besides reconstruction of the collapse girders/span and its rectification at its own cost. Further, Token pending of Rs. 5 Lakhs has been imposed on IE i.e. M/s.Theme Engineering Services and the IE has remitted this penalty amount in favour of "National Highways Authority of India on 29.08.2022.</p>
15	785	Tamil Nadu	Madurai - Chettikulam Section at Km 2+850	3 Girders (G1,G2 & G3) between pier P4 & P5 at km 2+850 of down ramp location of the Elevated Road due to jack failure	1	2021	<p>NHAI HQ vide letter dated 28.01.2022, issued orders for debarment of Contractor from participating in NHAI bids w.e.f 13.09.2021 to 28.01.2022 (i.e, date of interim action). Further, NHAI, HQ vide Lr. No. 46597 Dt. 28.01.2022 has imposed penalty of Rs.3.00 Cr to the Contractor and the same has been recovered from EPC Contractor from IPC No. 36 for the month of December, 2021.</p> <p>Authority Engineer: M/s. Yongma Engineering Co Limited in association</p>

							<p>with M/s. Sterling Indo Tech Consultants Pvt Ltd</p> <p>NHAI HQ vide letter dated 28.01.2022, issued orders for debarment of Contractor from participating in NHAI bids w.e.f 13.09.2021 to 28.01.2022 (i.e, date of interim action). Further, NHAI, HQ vide Lr. No. 46595 dt. 28.01.2022 has imposed penalty of Rs.40.00 lakhs to the Authority Engineer and the same has been recovered from Authority Engineer from Invoice No.09 for the month of Dec'21 and Invoice No.10 for the month of Jan'22. Further, NHAI, RO, Madurai vide Lr. No. 1668 Dt. 03.09.2021, suspended 4 Nos of key personnel in EPC contractor and 6 Nos of key personnel in AE.</p>
16	NH-12 (old NH-34)	West Bengal	Construction of new 4-lane bridge over river Ganga at downstream of Farakka Barrage including approaches connecting Farakka – Raiganj section of NH-34	An unfortunate incident occurred on 16.02.2020, wherein one of the launching girders toppled on already launched span leading to collapse of the said span (0.060 km).	2	2020	The Contractor was debarred from participation in future NHAI projects for Three (03) years vide NHAI-HQ letter dated 25.08.2020.

(iii) Under Construction Tunnels							
S. No.	NH No.	State	Name of the Tunnel/ Location	Details	No. of Lives Lost	Calendar / Financial Year of Collapse	Action taken against Defaulting Contractor/ Concessionaire
1	29	Nagaland	Tunnel under Kohima Bypass from Km 11+000 to 11+500	Eastern Portal of Tunnel Collapsed due to heavy Rainfall on 17.11.2023 due to cyclonic storm Medhili.	NIL	2023	EPC Contractor has been directed to submit a Restoration Proposal along with modified Working Methodology for recommencing of tunnel works safely.
2	134	Uttarakhand	Silkyara Bend-Barkot Tunnel , Uttarkashi	A 60 m portion of under construction tunnel was collapsed on 12.11.2023.	NIL	2023	Investigation committee has been constituted by Govt. of India 06.12.2023. Final report of the investigation committee is yet to be received.
3	44	Jammu and Kashmir	Cafeteria Tunnel (Km 148.655)	Portal P2 of the 800m long tunnel collapsed in June 2023 at Cafeteria morh in Ramban district.	Nil	2023	Show Cause notice was issued to Contractor, Authority Engineer and DPR (Detailed Project Report) Consultant.
4	44	Jammu and Kashmir	Collapse of Adit portal at Khooni Nallah (Km 163.400)	Adit portal at Khooni Nallah collapsed due to landslide on 19.05.2022 in tunnel package-II in Ramban-Banihal section of NH-44	10 labourers	2022	MoRTH constituted an Expert Committee and based on the submission of facts by the Committee, NHAI blacklisted Project Manager of EPC contractor and imposed the penalty of 1 % of Project cost on EPC contractor. Contractor was also debarred for a period of 6 months. Show cause notice was issued to Authority Engineer.

ANNEXURE-II**ANNEXURE REFERRED TO IN REPLY TO PARTS (c) OF LOK SABHA UNSTARRED QUESTION NO. 2782 FOR ANSWER ON 08.08.2024 ASKED BY MS. S JOTHIMANI REGARDING STABILITY AND PROGRESS OF INFRASTRUCTURE**

The State/UT wise details of length of NH works (in km) awarded during the last five years and the current year:

Sl. No.	State	Total no. of projects sanction from 2019-25 (Till June, 2024)
1.	Andhra Pradesh	3,478
2.	Arunachal Pradesh	678
3.	Assam	1,628
4.	Bihar	2,622
5.	Chhattisgarh	1,231
6.	Goa	181
7.	Gujarat	2,086
8.	Haryana	1,105
9.	Himachal Pradesh	942
10.	Jharkhand	1,784
11.	Karnataka	2,821
12.	Kerala	1,132
13.	Madhya Pradesh	3,860
14.	Maharashtra	6,424
15.	Manipur	1,108
16.	Meghalaya	525
17.	Mizoram	681
18.	Nagaland	983
19.	Odisha	1,636
20.	Punjab	2,030
21.	Rajasthan	3,344
22.	Sikkim	250
23.	Tamil Nadu	2,207
24.	Telangana	1,931
25.	Tripura	604
26.	Uttar Pradesh	4,687
27.	Uttarakhand	1,445
28.	West Bengal	875
29.	Union Territories (UTs)	1,416
