

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

**LOK SABHA
UNSTARRED QUESTION NO. 3722
ANSWERED ON 23RD MARCH, 2023**

WILDLIFE FATALITIES ON NATIONAL HIGHWAYS

3722. SHRI DUSHYANT SINGH:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) the number of animals/wildlife killed on National Highways (NHs) due to collision with vehicles;**
- (b) the provisions/measures adopted for the safety and well-being of wild animals while crossing NHs;**
- (c) whether there are any bridges/underpasses on NHs that facilitate safe passage of animal for crossing and if so, the details thereof; and**
- (d) if not, the plans/projects approved for the purpose?**

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) & (b) Ministry of Road Transport and Highways takes all steps necessary for Wildlife protection as prescribed by National Board for Wildlife (NBWL). Major steps taken by the Ministry of Environment & Forest (which is the nodal Ministry for Wildlife Protection) to avoid such incidents are as follows:

- 1. Ministry through its Centrally Sponsored Schemes (CSS) namely 'Project Tiger', 'Project Elephant' and 'Development of Wildlife Habitats (DWH)' provides funds to States and UTs for carrying out various activities for habitat improvement works namely restoration of natural water bodies, creation of artificial ponds, waterholes, augmenting food/fodder sources at various places within Protected Areas to minimize the human animal conflict.**
- 2. Ministry has issued advisory to States/UTs for submission of proposals for diversion within the protected areas and Eco-sensitive Zones along with animal passage plan prepared on the basis of guidelines prepared by Wildlife Institute of India, namely, Eco-friendly Measures to Mitigate Impacts of Linear Infrastructure on Wildlife. The guidelines suggest for modifications in the designs of the linear infrastructures by way of providing eco-friendly structure which will ensure safe movement of wildlife across these linear infrastructures.**

3. **A network of Protected Areas namely viz., National Park, Sanctuaries, Conservation Reserves and Community Reserves covering important wildlife habitat have been created all over the country under the provisions of the Wild Life (Protection) Act, 1972 to conserve wild animals and their habitats.**
4. **Construction/erecting of physical barriers, such as barbed wire fence, solar powered electric fence, bio-fencing using cactus, boundary wall etc. to prevent the entry of wild animals into crop field.**
5. **An advisory on handling human-wildlife conflict has been issued by the Ministry to all States on 06.02.2021 which suggests various measures that may be adopted by States for handling human-wildlife conflict. These include coordinated interdepartmental action, formation of State and district level committees, identification of conflict hot spots, adherence to Standard Operating Procedures, and establishment of rapid response teams.**

(c) & (d) Development activities on National Highways (NHs) passing through wild Life Sanctuaries / National Parks are generally avoided and wherever possible a bypass/detour is proposed so that there is minimum impact of highways on the wildlife habitat. If it is absolutely unavoidable then all necessary clearances required under statutory norms are obtained before any work is undertaken in such areas and measures are taken as per the manuals and guidelines of Forest and Wildlife Authorities and relevant IRC codes. The various measures that are taken include installation of road signs, speed calming measures, provision for construction of cattle/animal under pass (CUP/AUP) at pre-defined locations, fencing at the edge of Right of Way, etc.

Further, the available details of structures on NHs provided for safe passage of animals/wildlife are annexed as per Annexure.

ANNEXURE REFERRED TO IN REPLY TO PART (c) & (d) OF LOK SABHA UNSTARRED QUESTION NO. 3722 FOR ANSWER ON 23RD MARCH, 2023 REGARDING WILDLIFE FATALITIES ON NATIONAL HIGHWAYS.

Details of structures on National Highways provided for safe passage of animals/wildlife :-

Sl. No.	Name of the Project	Details of Structures
1.	Haridwar-Dehradun Section of NH-58 & 72	3-Elephant Underpasses at Lal Tappar, Teen Pani on NH-72 and Motichur on NH-58
2.	MP/MH-Seoni Section of NH-7	1400 meter elevated corridor, 500 meter 02 number, 300 meter 01 number, 120 meter 01 number and rest 10 number 100 meter to 30 meter. Noise barrier / anti light glare on all structures
3.	MP/MH Border to Mansar Section of NH-7	3 Animal underpasses, 6 other structures, 15 Minor bridges and 66 Culverts.
4.	Jammu-Udhampur Project	4 tunnels (total length 1.78 km) and 4 viaducts in between tunnels
5.	Chenani-Nashri Tunnel	8.98 km tunnel and 1.91 km approaches in lieu of 41.00 km existing length
6.	Quazigund – Banihal Tunnel	8.45 km tunnels & 6.90 km approaches in lieu of existing length of 31.35 kms
7.	Udhampur-Ramban	1 tunnel of 900 meter of 2 lane
8.	Ramban-Banihal	6 tunnels of 2.967 km length
9.	Dhule _Nashik Section of NH-3 (Anerdam Sanctuary)	5.5 Km Realignment
10.	Palanpur-Swaroopganj section of NH-14 (Old) New NH-27	03 underpasses and 10 box culvert
11.	Kota Bypass	Cable stayed bridge of 1 km on National Chambal Sanctuary
12.	Dholpur-Morena Section of NH-3 (Chambal Sanctuary)	Height and span of bridges increased from existing level, sound and light barrier on the structure.
13.	Panvel-Indapur Section of NH-17 (Old) NH-66 (New)	04 underpasses, 19 box culvert, Monkey Ladder
14.	Gwalior-Shivpuri Section of NH-3	Elevated corridor and under pass for the stretch of 5.5 km passing through wild life sanctuary
15.	Gujarat-MP Borer to Indore Section of NH-59	Underpass, fencing for 9.04 km passes through wild life sanctuary
16.	Lumding Section of NH-54 (Lumding Reserve)	02 Elephant passes and increase the length of 04 number of minor bridges, 02 number, Monkey ladders.
17.	Kaithalghat-Shimla	01 tunnel
18.	Hapur-Garhmukteshwar Section of NH-24	Underpass
19.	6-laning of Vadakkanchery – Thrissur section of NH-47	Increase of length of 1 - Major bridge, Tunnel – 1.0 Km

Sl. No.	Name of the Project	Details of Structures
20.	Belgaum-Khanpur Section of NH-4A (Dandeli Wildlife Sanctuary)	05 underpasses, Increase of dimension of culverts and bridges, noise and light barrier
21.	Yamunanagar-Panchkula section of NH-73	2 ecoduct, fencing , increase of dimension of culverts and bridges, noise barrier
22.	Aurangabad-Barwa Adda Section of NH-2 (Gautam Buddha Wildlife Sanctuary)	9 water tanks, bore well, underpass
23.	Gujarat/MH Border to Jalgaon section of NH-6	Underpass, monkey ladder, fencing, increase of dimension of culverts and bridges, noise barrier
24.	Cuttak-Angul section of NH-42	Underpass, fencing, increase of dimension of culverts and bridges,
25.	Panikuli -Rimuli- section of NH-215	06 Underpasses, fencing, increase of dimension of culverts and bridges,
26.	Rimuli-Rajamunda section of NH-215	02 Underpasses, fencing, increase of dimension of culverts and bridges,
27.	Agra-Bharatpur Sec of NH-11	Underpass, fencing, water resources for birds, noise barrier
28.	Uncha Nagla Dholpur Sec of NH-123	Underpass, fencing, increase of dimension of culverts and bridges
29.	Chhatrishgarh/MH Boarder – Wainganga Bridge of NH-6	3 Underpasses, fencing, increase of dimension of culverts and bridges
30.	Four Laning of Solapur – Bijapur section of NH-13	03 underpasses
31.	Ganeshpur-Dehradun NH-72A	4 underpasses, 11.6 km elevated corridor, 360 m tunnel. Sound and light barrier on all structures.
32.	Haridwar-Nagina	5 underpasses, elevated corridor, increase in height of bridges and light/sound barrier.
33.	Delhi-Vadodara Expressway in Rajasthan NH-148N	2.7 km elevated corridor. 5 animal underpasses 3.9 km cut-cover 700 meter bridge at NCS 4.9 km tunnel width 450 meter cut-cover
34.	VME phase II	2 Land Bridge/ Animal overpass 38 Dedicated Animal Crossing 50 Small Vehicular/ Animal Underpasses
35.	SPUR of VME	2 Land Bridge/ Animal overpass. 53 Dedicate Animal Crossing. 33 Small Vehicular/ Animal Underpasses
36.	NH 347BG- Indore to Balwara	2 tunnel, 4 viaduct having length of 1590 meter for animal crossing. Increase in length of 4 nos. Major bridges
37.	Heron River to Sindur section NH-12	03 underpass, 01 elevated corridor, increasing the length of box culvert
38.	4-laning of 12 km stretch in Ratapani Wildlife Sanctuary	Elevated corridor, underpasses and increasing the dimension of box culvert
39.	Ranchi-Jamshedpur section	07 underpasses

Sl. No.	Name of the Project	Details of Structures
40.	Raipur-Vishakhapatnam in Chhatisgarh	2.79 km tunnel, 27 underpasses, Monkey ladder 17
41.	Raipur-Vishakhapatnam in Orissa	Total length of 02 tunnel (6.29 km), 14 underpasses, Monkey ladder 17
42.	Raipur-Vishakhapatnam in Andhra Pradesh	03 Viaduct cum elephant underpasses
43.	Mancherial to Telangana/Maharashtra Border	02 underpasses
44.	Nagpur- Umred Bhiwapur	Elevated corridor
45.	Bangalore Hasan to Mangalore NH-75	02 underpasses
46.	Bangalore-Mysore Madikeri - Mangalore NH-275	02 underpasses, 03 overpasses (ecoduct)
47.	Chitradugra-hospet-Bijapur NH-50	05 underpasses
48.	Tumkur to Shivamogga NH-206	07 underpasses
49.	Khammam to Mangalore NH-565	Increase of dimension of box culvert
50.	Jamunanagar to Panchkula	02 underpasses
51.	Riva to Jabalpur Section	05 underpasses
52.	Itarsi Betul	05 underpasses, elevated corridor, overpass/ ecoduct
53.	Gawalior Shivpuri Section	09 underpasses and elevated corridor
54.	Ahmedabad-Bhavnagar NH-751	1340 elevated corridor and 03 underpasses
55.	Sanchore to Santalpur	01 elevated corridor and 12 underpasses
56.	Bhavnagar-Somnath Dwarka	10 underpasses
57.	Sawaimadhopur-Sheopur	09 underpasses
58.	Udaipur-Ajmer Section New NH-58	13 underpasses
59.	Ambikapur-Bilaspur	08 underpasses
60.	Kawardha-Raipur New NH-30	06 underpasses
61.	Varanasi-Kolkata in Jharkhand	Total 82 number of structures in Jharkhand (elevated corridor, underpass, viaduct increase in length of minor and major bridge)
62.	Varanasi-Kolkata in Bihar	Tunnel and elevated corridor
63.	Delhi-Katra in Punjab	Increase of length of major bridge with longer span and viaduct
64.	Bangalore-Vijayawada	Tunnel elevated corridor and underpasses
65.	Dimapur Bypass (Nagaland Portion)	2 Number of Cattle underpasses
66.	Dimapur Bypass (Assam Portion)	2 Number of Cattle underpasses 2 Number of Elephant underpasses
67.	Ranathambore Wildlife sanctuary on NH-552	8 animal underpasses