

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

LOK SABHA

**STARRED QUESTION NO. *168
ANSWERED ON 14TH DECEMBER, 2023**

STUDY OF ROAD DESIGNS

**†*168. SHRI VINOD L. CHAVDA:
SHRI VISHNU DATT SHARMA:**

**Will the Minister of ROAD TRANSPORT AND HIGHWAYS
सड़क परिवहन और राजमार्ग मंत्री**

be pleased to state:

- (a) whether the Government has conducted any survey/study regarding sharp turns, potholes, steep gradients, narrow lanes, single lanes, accident prone points, requirement of service roads, overbridges and underpasses on National Highways (NHs) in Gujarat and Madhya Pradesh;**
- (b) if so, the details thereof, State-wise, particularly in Bhuj, Abdasa, Gandhidham, Rapar, Mandvi and Anjar districts in Gujarat and Panna, Katni and Chhatarpur districts in Madhya Pradesh;**
- (c) Whether the Government has initiated/proposes to initiate corrective measures to make these NHs safe for passengers; and**
- (d) If so, the details thereof and if not, the reasons therefor?**

ANSWER

**THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS
(SHRI NITIN JAIRAM GADKARI)**

(a) to (d) A Statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF THE
LOK SABHA STARRED QUESTION NO. *168 ANSWERED ON
14.12.2023 ASKED BY SHRI VINOD L. CHAVDA & SHRI VISHNU
DATT SHARMA REGARDING “STUDY OF ROAD DESIGNS”**

(a) to (d) Design, construction and maintenance of National Highways (NHs) are carried out as per Indian Roads Congress (IRC) standards/guidelines, directions issued by Ministry of Road Transport & Highways (MoRTH), relevant international standards and good industry practices. Road safety audit is conducted at various stages of project implementation like project preparation, construction and operation following IRC Codes/ guidelines in respect of Road Safety and Road Safety Audits which continuously evolve based on experience gained in the implementation of past guidelines and technological developments in these areas. Road side environment and traffic conditions also change over a period due to regional socio-economic developments necessitating further corrective measures.

During project preparation and further during road safety audit, deficiencies such as sharp turns, potholes, steep gradients, narrow lanes, single lanes, accident prone points and upgradation requirements such as service roads, over bridges and underpasses impacting safety of road users are identified and necessary corrective measures are taken. Ministry and its executing agencies follow standard bidding documents such as (i) Engineering Procurement Contract (EPC) (ii) Hybrid Annuity Mode Concession Agreement and (iii) BOT (Toll/Annuity) Concession Agreement. Such contract/concession agreements have provisions making safety

audit at design stage, during construction, before opening to traffic and during operations obligatory on the part of contractors/concessionaires followed by necessary corrective measures which are followed in all NH projects. Standalone road safety works are also undertaken during operation stage of a NH section as per requirements. Apart from this, regular repair and maintenance activities are carried out to keep the NHs pothole free and in traffic worthy condition.

Details of corrective measures taken up during last 5 years in Bhuj, Abdasa, Gandhidham, Rapar, Mandvi and Anjar in Kachchh district of Gujarat and Panaa, Katni and Chhatarpur districts in Madhya Pradesh for road safety improvement as part of the widening/upgradation works and on standalone basis are given below:

District	NH Stretch	Status
GUJARAT		
Kutch	Bhuj- Khavda- Dharamshala section of NH-341	Completed
	Lakhpur- Hajipur- Dholavira- Santalpur of section of NH-754K	Under implementation
	Mandavi Bypass on NH-41	Under implementation
	Mandavi-Narayan Sarovar section of NH-41	Under implementation
	Gandhidham-Kandla-Mundra section of NH-8A (Extn).	Completed
	Samakhiali-Gandhidham section of NH-41.	Completed

	Santalpur Samakhiyali Section of NH-27	Not appointed
	Bhimasar-Anjar-Bhuj NH-341.	Under implementation
MADHYA PRADESH		
Panna	Gulganj-Amanganj-Pawai-Katni road NH-43 Extn.	Under implementation
	Pawai Salesh Jasso Nagod Road NH-943	Under implementation
	Ken river near Amanganj to start of Pawai bypass NH-43 Extn	Under implementation
	Start of Pawai Bypass to End of Chandia Ghat realignment of NH-43Extn.	Under implementation
Panna & Satna	Upgradation of Pawai-Saleha-Jasso-Nagod road NH-943	Under implementation
	Kaithi-Padaria Kala bypass, Patna-Tamoli bypass, Jaso bypass & Nagod bypass on NH-943	Under implementation
Panna & Chhatarpur	Barna River to ken river of NH43 Extn.	Under bidding
Katni	Rewa-Katni-Jabalpur section of NH-30	Completed
	Katni Bypass section of NH- 30	Under implementation
	Jhansi-Mauranipur- Devari Ghat-Chhatipahadi- Chhatarpur-Bamitha section of NH-39	Completed

Chhatarpur	Bamitha Khajuraho Road of NH – 339B	Under implementation
	Harpalpur bypass on NH-339 (old NH-76)	Not appointed
	Gulganj bypass to Barna River of NH43 Extn.	Under bidding
