

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

**LOK SABHA**

**UNSTARRED QUESTION NO. 956  
ANSWERED ON 08<sup>TH</sup> FEBRUARY, 2024**

**ASSESSMENT OF DEFECTS IN ROAD DESIGN**

**956. SHRI VINOD L. CHAVDA:**

**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 or study regarding sharp turns, pot holes, steep grades, narrow streets, single lane or other accident prone points and the need for service roads, overbridges and underpasses generally on National Highways in Gujarat particularly in Bhuj, Abdasa, Gandhidham, Rapar, Mandevi and Anjar districts and if so, the details thereof; and**
- (b) the details of corrective steps taken/proposed to make the National Highways safe for the travellers and if not, the reasons therefor?**

**ANSWER**

**THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS**

**(SHRI NITIN JAIRAM GADKARI)**

- (a) & (b) 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. 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 for road safety improvement as part of the widening/ upgradation works and on standalone basis are given below:**

| <b>District</b> | <b>NH Stretch</b>                                                   | <b>Status</b>               |
|-----------------|---------------------------------------------------------------------|-----------------------------|
| <b>GUJARAT</b>  |                                                                     |                             |
| <b>Kutch</b>    | <b>Bhuj- Khavda- Dharamshala section of NH-341</b>                  | <b>Completed</b>            |
|                 | <b>Lakhpat- Hajipir- Dholavira- Santalpur of section of NH-754K</b> | <b>Under implementation</b> |
|                 | <b>Mandavi Bypass on NH-41</b>                                      | <b>Under implementation</b> |
|                 | <b>Mandavi-Narayan Sarovar section of NH-41</b>                     | <b>Under implementation</b> |
|                 | <b>Gandhidham-Kandla-Mundra section of NH-8A (Extn).</b>            | <b>Completed</b>            |
|                 | <b>Samakhiyali-Gandhidham section of NH-41.</b>                     | <b>Completed</b>            |
|                 | <b>Santalpur Samakhiyali Section of NH-27</b>                       | <b>Under implementation</b> |
|                 | <b>Bhimasar-Anjar-Bhuj NH-341.</b>                                  | <b>Under implementation</b> |

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