

GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

LOK SABHA
STARRED QUESTION NO. 277
ANSWERED ON 12TH MARCH, 2020

DRAINAGE SYSTEM ALONG NATIONAL HIGHWAYS

*277. SHRI UDAY PRATAP SINGH:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) whether the Government has formulated any scheme for constructing water drainage system along the National Highways and if so, the details thereof;
- (b) whether the Government is aware that the crossroad/intersection on Jabalpur-Bhopal stretch (District Narsinghpur, Madhya Pradesh) on North-South Corridor has no proper water drainage system despite presence of huge population around it;
- (c) if so, the response of the Government thereto; and
- (d) the steps taken/being taken by the Government to construct proper water drainage system along that area?

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 LOK SABHA STARRED QUESTION NO. 277 FOR ANSWER ON 12.03.2020 ASKED BY SHRI UDAY PRATAP SINGH REGARDING DRAINAGE SYSTEM ALONG NATIONAL HIGHWAYS.

(a) The provision of adequate drainage system is an integral part of the development of National Highways. Appropriate camber/cross fall is provided to the wearing surface of the roads to drain off the rain water at the earliest. The drain off water is collected in longitudinal drain and eventually goes to the cross drains or streams. These aspects are to be taken care of during the design & construction of National Highways and all the National Highways(NH) are to be provided either lined or unlined drains depending on the site requirement in accordance with the Indian Road Congress (IRC) guidelines.

The manual of specifications & standards for 2/4/6 laning of highways published the IRC vide IRC : SP: 73/84/87 in its para 6.1.2 also specified that for efficient drainage system for the entire project highway including structures, directions contained in Clause 309 of MoRT&H specifications, IRC:SP:42, IRC:SP:50 and IRC:SP:90 as relevant shall be followed.

(b) Development of Jabalpur-Bhopal stretch of NH-12 (New No-45) is under implementation stage under five civil contract packages. Four packages are with Madhya Pradesh Road Development Corporation (MPRDC) and remaining one package from Hiran river to Sindoor river which lies in Narsinghpur district is with National Highways Authority of India (NHAI). There is a provision of covered RCC drain in total length of 15.60 km in this project out of which 1.4 kms of covered RCC drain is on both sides at junction of NH-12 (New No-45) and NH-26 (New No-44) i.e North-South corridor. The details of the drainage structures in this project is enclosed at Annexure-1.

(c)& (d) The construction of highway drainage along/across the project highway is as per specifications of IRC & already part of Contract Agreement.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF LOK SABHA STARRED QUESTION NO. 277 FOR ANSWER ON 12.03.2020 ASKED BY SHRI UDAY PRATAP SINGH REGARDING DRAINAGE SYSTEM ALONG NATIONAL HIGHWAYS.

Detail of the highway drainage Structure

Project: Hiran River to Sindoor River from Km 66.00 to Km 130.00

- (i) Provisions for covered RCC drains along with manholes in all built up areas along the project highway.
- (ii). Provisions for RCC drain of suitable size along the stretches where highway is passing through a cut section.
- (iii). Chute drain along with shoulder drains in the area wherever highway is passing in fill section i.e. embankment.
- (iv). Median drains at super elevated section with proper outfall connections.
- (v). Detail of the highway drainage work in above project is summarized below:-

S.No	Type of Structure	Number/Quantity
i.	Covered RCC drain	15.6 km
ii.	Open RCC drain	As per site requirement
iii.	Earthen drain	Along with entire highway in open stretches
iv.	Box culverts	36 Nos
v.	Slab culverts	16 Nos
vi.	Hume Pipe Culverts	43 Nos
vii.	Minor Bridge	24 Nos
viii.	Major Bridge	04 Nos
ix.	Cross drainage culvert on connecting roads for road junctions	30 Nos
