

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

**LOK SABHA
UNSTARRED QUESTION NO. 115
ANSWERED ON 20th JULY, 2023**

DRAINAGE SYSTEM ON HIGHWAYS

115. SHRI RAJENDRA DHEDYA GAVIT:

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

be pleased to state:

- (a) whether the Government is aware of the faulty drainage system on highways in the country;**
- (b) if so, the details thereof, State/UT-wise;**
- (c) the measures taken by the Government to address the problem;**
- (d) whether any study has been conducted to identify the reasons behind the formation of ribbons along the National Highways;**
- (e) if so, the details thereof; and**
- (f) if not, the time by which such study is likely to be commissioned?**

ANSWER

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

(a) to (c) The provision of adequate drainage system is an integral part of the development of National Highways (NHs). Appropriate camber/cross fall is provided to the carriageway and shoulder of the roads to drain off the rain water at the earliest. In built-up areas/areas

with low embankment height, the surface run-off is collected in longitudinal drain which is ultimately discharged to the cross drains or streams. Hillside longitudinal drain is also provided on hill roads. These aspects are taken care of during the design & construction of National Highways and drain is provided depending on the site requirement in adherence to the Indian Roads Congress (IRC) guidelines.

(d) to (f) Indian Roads Congress has published guidelines “IRC: SP: 15 Ribbon Development along Highways and Its Prevention” which deals with measures to prevent ribbon development along NHs. Such guidelines are considered while preparing Detailed Project Report for improvement and upgradation of a section of NH and also enforcing measures on existing NHs.
