

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

**LOK SABHA
UNSTARRED QUESTION NO. 3394
ANSWERED ON 20TH MARCH, 2025**

SATELLITE BASED HIGHWAY TOLL COLLECTION SYSTEM

**3394. SHRI SUDHEER GUPTA:
SHRI CHAVAN RAVINDRA VASANTRAO:
SHRI DHAIRYASHEEL SAMBHAJIRAO MANE:**

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) whether the Government has decided to put on hold the rollout of its ambitious plan of a satellite-based highway toll collection system, if so, the details thereof and the reasons therefor;**
- (b) whether Navigation with Indian Constellation (NavIC), also known as Indian Regional Navigation Satellite System (IRNSS), an Indian alternative to the American Global Positioning System (GPS), that was proposed to ensure non-stop travel on the National Highways and Expressways and to replace toll plazas, is fully operational, if so, the details thereof and if not, the reasons therefor;**
- (c) the time by which it is likely to be fully operational; and**
- (d) whether the Government has identified any stretch on which a barrier-free toll system will be implemented as a pilot programme and if so, the details thereof?**

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

- (a) The Apex Committee and High-Level Empowered Committee consisting of Experts from Industry and Academia, in view of security**

and privacy considerations, and overall operational control, have recommended further deliberations for the Satellite based Tolling.

Series of meetings have been conducted by the Expert committee and as per deliberations, it is proposed to proceed with Corridor/Stretch-based projects for ANPR FASTag System (AFS)-based Barrier Less Free Flow tolling.

(b) to (c) With the existing features of Navigation with Indian Constellation (NavIC), the Satellite based Tolling requires additional Satellite Constellations to achieve desired level of positional accuracy as well as development of appropriate receivers for receiving satellite signals. It requires further deliberations to move towards Satellite based tolling.

(d) Request for Proposal (RFP) to implement barrier-free tolling system on the fee plazas of “Gharonda, Choryasi, Nemili, UER-II and Dwarka Expressway” has been invited/floated, with the possibility of implementing it on other fee plazas in a phased manner depending upon the outcomes and efficacy of the implementation on these projects.
