

GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS
RAJYA SABHA
UNSTARRED QUESTION NO-2167
ANSWERED ON- 19/03/2025

SATELLITE BASED HIGHWAY TOLL COLLECTION SYSTEM

2167. SHRI ASHOKRAO SHANKARRAO CHAVAN:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

- (a) whether Government has decided to put on hold the roll out of its ambitious plan of a satellite based highway toll collection system, if so, 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 that replaces toll plazas which is fully operational;
- (c) if so, the details thereof; and
- (d) whether Government has identified stretch on which barrier free toll system will be implemented as its pilot program?

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, breach and overall operational control, have recommended further deliberations for Satellite based Tolling.

Series of meetings have been conducted by the Expert committee and as per deliberation, 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 and development of appropriate receivers to achieve desired level of positional accuracy.

(d) Request for Proposal (RFP) to implement barrier-free user fee collection system on the fee plazas of “Gharonda, Choryasi, Nemili, Urban Extension Road (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.
