

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

**LOK SABHA  
UNSTARRED QUESTION NO. 1831  
ANSWERED ON 5<sup>TH</sup> DECEMBER, 2024**

**SATELLITE BASED TOLL COLLECTION**

**1831. SMT. KANIMOZHI KARUNANIDHI:**

**Will the Minister of ROAD TRANSPORT AND HIGHWAYS**

सड़क परिवहन और राजमार्ग मंत्री

**be pleased to state:**

**(a) whether the Government has initiated a satellite-based toll collection project on national highways and if so, the details thereof;**

**(b) whether a cost analysis comparing Global Navigation Satellite System (GNSS) and FASTag has been conducted and if so, the details thereof; and**

**(c) whether challenges such as weather distortions and infringement on the fundamental right to privacy, posed against adopting Global Navigation Satellite System (GNSS) toll technology at large scale have been assessed, if so, the details thereof and if not, the reasons therefor?**

**ANSWER**

**THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS**

**(SHRI NITIN JAIRAM GADKARI)**

**(a) No, Sir. Satellite-based user fee collection project is presently not operational anywhere on National Highways.**

**(b) No, Sir. However, it is expected that the operational cost associated with physical user fee plaza could be reduced by using**

**barrier-free user fee collection system and provide great convenience to the Road users.**

**(c) These challenges to be addressed through suitable technological measures such as data encryption and filtering of irrelevant data etc. in consultation with experts and associated stakeholders, before Satellite-based user fee collection system is put to operation/commercial roll-out.**

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