

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

**LOK SABHA
UNSTARRED QUESTION NO. 4731
ANSWERED ON 21ST AUGUST, 2025**

BARRIER LESS/MULTI LANE FREE FLOW TOLLING SYSTEM

**4731. SHRI CHAVAN RAVINDRA VASANTRAO:
SHRI MANISH JAISWAL:
SHRI DHAIRYASHEEL SAMBHAJIRAO MANE:
SHRI SUDHEER GUPTA:**

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) whether the National Highways Authority of India (NHAI) proposes to implement the Barrier-Less or Multi-Lane Free Flow (MLFF) tolling system at selected toll plazas by using technologies like RFID (Radio-Frequency Identification) scanners and AI-powered Automatic Number Plate Recognition (ANPR) cameras as a pilot project for toll collection and if so, the details thereof;**
- (b) the time by which the said pilot project is likely to be completed and the criteria for evaluating its performance;**
- (c) the total expenditure incurred or likely to be incurred on developing the said system;**
- (d) the NHs/Expressways which have been identified/selected for installation of the above system in its next phase; and**
- (e) whether the Government is planning for a national roll-out of the MLFF tolling system and if so, the details thereof and the time by which it is likely to be done?**

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) In order to ensure seamless and free-flow movement of vehicles along national highways and to increase the efficiency of the tolling operation, National Highways Authority of India (NHAI), has decided to implement barrier-free Electronic Toll Collection (ETC) System with available technology, using Automatic Number Plate Reading Cameras, at selected sections of National Highways as an added facility along with FASTag where the user fee shall be charged from the vehicle users without them having to stop, slow down or stay in a given fee plaza lane.

(b) The implementation of barrierless fee collection system on selected sections of National Highways, is expected to be completed by the end of Financial Year 2025-26. The performance criteria include the accuracy of the system and revenue collection vis-à-vis existing system.

(c) to (d) The Bids have been invited on Opex Mode with revenue sharing Model. The details of fee plazas for which Request for Proposal (RFP) has been invited/finalized for implementation of barrierless tolling are at Annexure.

(e) Barrierless fee collection system will be implemented on other fee plazas in a phased manner depending upon the outcome and efficacy of the implementation on these projects.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (c) to (d) OF LOK SABHA UNSTARRED QUESTION NO. 4731 FOR ANSWER ON 21.08.2025 ASKED SHRI CHAVAN RAVINDRA VASANTRAO, SHRI MANISH JAISWAL, SHRI DHAIRYASHEEL SAMBHAJIRAO MANE, SHRI SUDHEER GUPTA REGARDING BARRIER LESS/MULTI LANE FREE FLOW TOLLING SYSTEM.

Details of fee plazas for which Request for Proposal (RFP) has been invited/finalized for implementation of barrier less tolling:

| Name of the Fee Plaza | Name of the NH Stretch | Status |
|--|---|-----------------------------|
| Choryasi | Bharuch-Surat (NH-8) | Awarded |
| Gharaunda | Panipat-Jalandhar (NH-44) | Awarded |
| Nemili (Sriperumbudur) | Walajapet – Poomalle (NH-48) | Bid under evaluation |
| Bijwasan and Panchgaon Integrated | Dwarka Expressway, NH 248BB | Bids invited |
| Manoharpura | Delhi-Jaipur (NH-48) | Bids invited |
| Shahjahanpur | Delhi-Jaipur (NH-48) | Bids invited |
| Daulatpura | Delhi-Jaipur (NH-48) | Bids invited |
| UER-II | Urban Extension Road (UER-II), NH-344M & NH-344N | Under rebidding |
