

**GOVERNMENT OF INDIA
ROAD TRANSPORT AND HIGHWAYS
LOK SABHA**

STARRED QUESTION NO:208
ANSWERED ON:27.08.2012
ELECTRONIC TOLL COLLECTION
Naik Dr. Sanjeev Ganesh;Tandon Annu

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

- (a) whether the Government has introduced or set up Radio Frequency Identification (RFID) technology based electronic toll collection scheme on all India basis on the National Highways;
- (b) if so, the details thereof, State-wise and the time-frame fixed for implementation of the scheme;
- (c) whether the Government has received comments on the draft specifications for RFID transceivers, RFID Tag and Data Exchange format;
- (d) if so, the details thereof; and
- (e) the steps taken by the Government to improve the toll collection and make the system more efficient?

Answer

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS (DR. C.P. JOSHI)

(a) to (e) A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF LOK SABHA STARRED QUESTION NO.208 DATED 27.08.2012 ASKED BY SHRIMATI ANNU TANDON & DR. SANJEEV GANESH NAIK REGARDING ELECTRONIC TOLL COLLECTION.

(a) Yes, Madam.

(b) In order to ensure seamless movement of vehicles on the National Highways the Government had constituted a committee under the chairmanship of Shri Nandan Nilekani, Chairman, Unique Identification Authority of India, with a mandate to examine all available technologies for Electronic Toll Collection (ETC) and recommend the most suitable one for implementation throughout the country. On recommendations of the Committee, RFID based on EPC, Gen-2, ISO 18000-6C Standards for ETC was approved by the Ministry. The Ministry had constituted an Apex Committee for implementation of the Electronic Toll Collection System on the National Highways. The Apex Committee submitted its report containing features and specifications on the following aspects of ETC: (a) RFID tags and transceivers, (b) ETC system architecture and (c) Institutional framework for ETC implementation. The report was accepted by the Ministry and the Specifications for RFID Transceiver, RFID Tag and Data exchange format between Toll Plaza Server and the Central ETC System were notified for implementation. Thereafter the Ministry has assigned the work of implementation of ETC on the national highways to NHAI.

In the first phase, a Pilot Project on ETC was taken up for implementation on section of NH-5 from Delhi to Parwanoo.

On 4th June, 2012, NHAI issued Expression of Interest for short listing agencies for implementation of ETC on National Highways in India, which is available on the website of NHAI. A plan has been prepared to implement ETC on countrywide basis by 2014.

(c) & (d) The specification for RFID Transceiver, RFID Tag and Data exchange format between Toll Plaza Server and the Central ETC System has been finalized after extensive consultation with all the stakeholders.

(e) The objective of ETC is to improve toll collection and make the system more efficient.