

THE MINISTER OF STATE IN THE MINISTRY OF ROAD TRANSPORT AND HIGHWAYS (SHRI SARVEY SATHYANARAYANA): (a) and (b) No, Sir.

(c) and (d) Do not arise.

**RFID based toll collection system**

†2002. SHRI RAGHUNANDAN SHARMA: Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether Government has established or introduced Radio Frequency Identity (RFID) technology-based E-toll collection scheme on National Highways, on all-India basis;

(b) if so, the details thereof, State-wise and the time-limit fixed for the implementation of the scheme;

(c) whether Government has received comments on formal specifications pertaining to RFID, trans-receivers, RFID tag and data exchange formats;

(d) if so, the details thereof; and

(e) the steps taken by Government to improve toll collections and make the system more effective?

THE MINISTER OF STATE IN THE MINISTRY OF ROAD TRANSPORT AND HIGHWAYS (SHRI SARVEY SATHYANARAYANA): (a) Yes, Sir.

(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

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† Original notice of the question was received in Hindi.

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 launched in April this year on section of NH-5 from Delhi to Parwanoo, and it is proposed to implement ETC on countrywide basis by 2014.

(c) and (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.

#### **Construction of two lane roads**

2003. SHRI RAM KRIPAL YADAV: Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether Government has taken a decision for construction of 20,000 km of two lane roads all over the country in next 2 years;

(b) if so, the source of funds for this project; and

(c) how many kms of road have been sanctioned in Bihar State under this scheme?

THE MINISTER OF STATE IN THE MINISTRY OF ROAD TRANSPORT AND HIGHWAYS (SHRI SARVEY SATHYANARAYANA): (a) No, Sir.

(b) and (c) Do not arise.

#### **Shift from PPP to EPC mode for construction of highways**

†2004. SHRI PARVEZ HASHMI: Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether it is a fact that the pace of construction of National Highways has slackened:

(b) if so, the details thereof;

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