

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

UNSTARRED QUESTION NO:930

ANSWERED ON:28.11.2011

RFID

Ramasubbu Shri S.

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

- (a) whether the Government has any proposal to introduce Radio Frequency Identification (RFID) Smart Tag on certain highways in the country;
- (b) if so, the details thereof alongwith its features;
- (c) whether it is proposed to extend the scheme to other parts of the country also;
- (d) if so, the details thereof;
- (e) whether it is also proposed to build toll roads on Public Private Partnership (PPP) model in various parts of the country; and
- (f) if so, the details thereof?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF ROAD TRANSPORT AND HIGHWAYS (SHRI JITIN PRASADA)

(a) & (b) Yes Madam. The specification for Radio Frequency Identification (RFID) transceivers, RFID Tag & Data Exchange format between Toll Plaza server and the Central Electronic Toll Collection (ETC) System for implementation of national wide interoperable ETC system based on RFID technology on National Highways has been finalized. RFID will be based on EPC Gen-2, ISO 18000-6C standards for Electronic Toll Collection on National Highways in India.

(c) & (d) Yes Madam. The Electronic Toll Collection scheme shall be implemented on all India basis.

(e) & (f) Yes Madam. National Highways Authority of India (NHAI) has adopted Public Private Partnership (PPP) mode as the preferred mode of delivery. Two variants of PPP model i.e. Build, Operate and Transfer (BOT) (Toll) and BOT (Annuity) have been adopted. So far 149 projects of length 13791.25 km have been awarded on BOT (Toll) and 29 projects of total length 3311.42 km have been awarded on BOT (Annuity).