

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:4085
ANSWERED ON:07.08.2014
RAILWAY TRAIN TRACKING SYSTEM
Shrirang Shri Chandu Barne

Will the Minister of RAILWAYS be pleased to state:

- (a) whether Railways have decided to establish its own Tracking System jointly developed by Research Design and Standards Organisation (RDSO) and Indian Institute of Technology (IIT), Kanpur and discontinue Satellite Imaging for Rail Navigation (SIMRAN);
- (b) if so, the details thereof; and
- (c) the reasons therefor?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI MANOJ SINHA)

(a): Yes, Madam. Railways have decided to establish Real-time Train Information System (RTIS) for real-time tracking of all trains running on Indian Railway system. Railways have discontinued Satellite Imaging for Rail Navigation (SIMRAN) with effect from 30th September 2012.

(b): RTIS system is having additional feature of satellite communication to continuously track trains for automatic train control charting using Control Office Application (COA).

This feature was not available in SIMRAN system. RTIS work was sanctioned in the Works Programme 2011-2012 at an estimated cost of ₹ 110 crores and its execution will start after 'S-band' bandwidth is allotted by Indian Space Research Organisation (ISRO) for its INSAT/GSAT series satellite.

(c): SIMRAN was using GPRS/GSM communication to track the train. Due to non-availability of mobile network in entire section, its performance was not accurate. In RTIS, satellite communication is proposed for tracking of trains on a real-time basis and automatic train control charting.