

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

STARRED QUESTION NO:61
ANSWERED ON:27.07.2006
GLOBAL POSITIONING SYSTEM AT STATIONS .
Panda Shri Prabodh

Will the Minister of RAILWAYS be pleased to state:

- (a) Whether the Railways propose to set up Global Positioning System (GPS) at the railway stations to inform the location of trains;
- (b) If so, the details thereof alongwith the names of stations selected for such system; and
- (c)The time by which this system is likely to be installed?

Answer

MINISTER OF RAILWAYS (SHRI LALU PRASAD)

(a) to (c): A Statement is laid on the Table of the Sabha.

STATEMENT REFERRED TO IN REPLY TO PARTs (a) to (c) OF STARRED QUESTION NO. 61 BY SHRI PRABODH PANDA TO BE ANSWERED IN LOK SABHA ON 27.07.2006 REGARDING GLOBAL POSITIONING SYSTEM AT STATIONS

(a) Railway has sanctioned a pilot project namely Satellite Imaging for Rail Navigation (SIMRAN) for real time passenger information system. This project is being developed by utilizing Global Positioning System (GPS). This project is being carried out jointly by Research Designs & Standards Organisation

(RDSO), Lucknow and Indian Institute of Technology (IIT) Kanpur. The pilot project is sanctioned for development of hardware and software for providing real time information to the passengers. The objectives of SIMRAN project are:

To develop technology for continuously tracking every train for its location, speed and direction of movement.

To develop techniques to disseminate information on real time basis about train running to passengers and to the general public through display boards of stations, Interactive Voice Response System (IVRS), Short Message Service

(SMS) and Internet.

(b)This is a locomotive based system and not station based. The equipments under this project will be provided on locomotives of passenger trains and not at stations.

The trial of the project is being carried out on three sections.

Allahabad-Kanpur Section (Allahabad Division of North Central Railway).

Lucknow-Kanpur Section (Lucknow Division of Northern Railway).

Chennai-Bangalore Section (Chennai Division of Southern Railway and Bangalore Division of South Western Railway).

The pilot project is planned for completion by March` 2008. Based on its outcome, decision to implement this system over Indian Railways will be taken.