GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

LOK SABHA
UNSTARRED QUESTION NO.1421
TO BE ANSWERED ON 27.11.2019

ISRO ENABLED GPS SYSTEM

1421. PROF. SAUGATA RAY:

Will the Minister of **RAILWAYS** be pleased to state:

(a) whether the Indian Railways has started setting up of ISRO Enabled GPS System Real Train Information System (RTIS) in passenger trains of the country;

(b) if so, the details thereof and the number of trains that have already got the system installed, zone wise;

(c) the advantages of such system in the overall functioning of the Indian Railways;

(d) whether there is any proposal to install the same in goods trains also; and

(e) if so, the details thereof?

ANSWER

MINISTER OF RAILWAYS AND COMMERCE & INDUSTRY

(SHRI PIYUSH GOYAL)

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

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STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF UNSTARRED QUESTION NO.1421 BY PROF. SAUGATA RAY TO BE ANSWERED IN LOK SABHA ON 27.11.2019 REGARDING ISRO ENABLED GPS SYSTEM

(a) to (e) : Yes, Sir. Real-time Train Information System (RTIS) project is being executed by Centre for Railway Information System (CRIS), which is an Information Technology arm of the Ministry of Railways, in collaboration with Indian Space Research Organisation (ISRO). It is primarily used for acquisition of train movement data, including that of arrival, departure, run-through timings at the stations in route. As the RTIS devices have been installed in locomotives, the trains hauled by such locomotives get tracked through this system. The zone-wise details of installation of RTIS device in the passenger and goods train locomotives till 20.11.2019, are as under:

Zone	Number of Passenger Locomotives	Number of Goods Locomotives
Central Railway	103	217
East Coast Railway	53	140
East Central Railway	89	76
Eastern Railway	130	28
North Central Railway	44	71
Northern Railway	268	61
South Central Railway	146	127
South East Central Railway	50	14
South Eastern Railway	121	157
Southern Railway	232	48
West Central Railway	181	116
Western Railway	177	00
Total	1594	1055

Additional funds for installation of RTIS system in 6000 more locomotives (both passenger and goods) have been sanctioned in 2019.

The automatic acquisition of the train running data by the RTIS system helps in improving the efficiency of train control, dissemination of accurate train running information to the passengers and freight customers, and emergency messaging between locomotive and control centre.

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