**LOK SABHA**
**UNSTARRED QUESTION NO.3936**
**TO BE ANSWERED ON 18.03.2020**

**REAL TIME TRAIN INFORMATION SYSTEM**

**3936. SHRI P. P. CHAUDHARY:**

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

**(a) whether Railways has started to install the newly developed Real-time Train Information System (RTIS) in order to monitor the accurate speed and the normal speed during travel from starting to end point;**

**(b)  if so, the details thereof;**

**(c)  the benefits of such system; and**

**(d) the number of trains in the country having such system, zone-wise?**

**ANSWER**

**MINISTER OF RAILWAYS AND COMMERCE & INDUSTRY**

**(SHRI PIYUSH GOYAL)**

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

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STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 3936 BY SHRI P.P. CHAUDHARY TO BE ANSWERED IN LOK SABHA ON 18.03.2020 REGARDING REAL TIME TRAIN INFORMATION SYSTEM

(a) to (d):   Yes, Sir. A Real-Time Information System (RTIS), developed in collaboration with Indian Space Research Organisation (ISRO), is being installed on the locomotives for automatic acquisition of train movement timings at the stations, including that of arrival & departure or run-through. They get automatically plotted on the control chart of those trains in the Control Office Application (COA) system.

RTIS gives mid-section updates with a periodicity of 30 seconds. The Train Controllers can now track the location and speed of RTIS enabled locomotives/train more closely, without any manual intervention, which helps in improving the efficiency of train control.

This real time data of RTIS is also linked with the National Train Enquiry System (NTES).   Now more accurate train running information is being passed to the passengers, which helps them to conveniently plan their arrival at the stations.

Further, it is extremely handy for emergency messaging from locomotive to control centre, helping in faster response in case of any breakdown or disaster.

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Originally, RTIS was planned to be installed in 2700 locomotives which has been completed till December, 2019. The zone-wise details of the same, are as under:

| ZONAL RAILWAY | TOTAL NO. OF LOCOMOTIVES |
|---|---|
| Central Railway | 321 |
| East Coast Railway | 193 |
| East Central Railway | 165 |
| Eastern Railway | 158 |
| North Central Railway | 115 |
| Northern Railway | 330 |
| South Central Railway | 277 |
| South East Central Railway | 97 |
| South Eastern Railway | 278 |
| Southern Railway | 281 |
| West Central Railway | 300 |
| Western Railway | 185 |
| Total | 2700 |

To proliferate it further, installation of RTIS in 6000 more locomotives has been approved.

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