



Real-time Train Information System

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Why in News

The Real-time Train Information system is being installed in locomotives to enable better tracking of train movement.

- The RTIS Project is being executed by the **Centre for Railway Information Systems (CRIS)** in collaboration with the **Indian Space Research Organisation (ISRO)**.
- RTIS is an **example of 'Make In India'** as it has been entirely designed, developed and manufactured within the country.

Benefits of RTIS

- RTIS enables **automatic acquisition of train movement timings** at the stations, including that of arrival & departure or run-through.
- It also helps in **automatic plotting of control charts** in ICT based Control Office Application (COA) on all divisions of Indian Railways.
- It also enables the train controllers to track the location and speed of locomotives/trains more closely, without any manual intervention, which helps in **improving the efficiency of train control**.

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

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

Centre for Railway Information Systems

- The Ministry of Railways set up CRIS as a Society in July 1986. It is the **Information Technology (IT) wing of Indian Railways**.
- It is **headquartered in New Delhi**.

- It performs the functions of Indian Railways such as passenger ticketing, freight operations, train dispatching and control, crew management, e-procurement, etc.
NTES was developed by the CRIS.

Source: PIB