

Indian Railway's Mission Zero Accident

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Source: *PIB*

In the Railway Budget 2016-17, Mission Zero Accident was one of the Missions announced, comprising of the two sub-missions:

1. **Elimination of unmanned level crossings (UMLC)** over broad gauge in the next 3-4 years.
2. **Train Collision Avoidance System (TCAS):** To prevent collisions and signal passing at danger by the Loco Pilot through developing indigenous technology and also to increase throughput by increasing average sectional speed on Indian Railways (IR).

Current Status of the implementation of two sub-missions under Mission Zero Accident is as follows:

1. **Elimination of Unmanned Level Crossings:** All unmanned level crossings (UMLC) on Broad Gauge have already been **eliminated in January 2019.**
2. **Train Collision Avoidance System (TCAS):** Train Collision Avoidance System is an **indigenous Automatic Train Protection (ATP) system developed in association with Indian manufacturers.** The system has been **installed on Lingampalli – Vikarabad – Wadi and Vikarabad – Bidar sections (250 Route km) on South Central Railway.** Further, the system is under implementation on 1199 Route Km on South Central Railway.

Other measures

- In order to make Railways efficient and safe, all staff including safety category staff are required to undergo

structured training at all Training Institutes of Indian Railways on regular basis as per prescribed periodicity at various stages of their career.

- Safety category staff is also given training in Disaster Management with emphasis on Relief, Rescue and Rehabilitation (three 'R's), Threat Perception and Emergency Response, Fighting and use of Fire Extinguishers and First Aid.
- Railway Training Institutes are allocated fund on an annual basis for the development of infrastructure, development of training modules/training materials, the conduct of training programmes etc.
- In the Budget 2017-18, an exclusive fund called **"Rashtriya Rail Sanraksha Kosh" (RRSK)** has been made with a corpus of ₹1 lakh crore over a period of 5 years for giving a major boost to safety-related works over Indian Railways for improving the safety of tracks, rolling stock and proliferation of other safety technologies and training of staff.