



Ministry of Railways

HI-Tech System To Detect Railway Track Defects

Posted On: 15 DEC 2017 5:01PM by PIB Delhi

Indian Railways is using Track Recording Cars (TRC) and Oscillation Monitoring System (OMS) for detection of track defects in addition to manual inspection. Ultrasonic Flaw Detection is also done using Single Rail Tester (SRT) and Double Rail Tester (DRT) to check internal defects in rails. Procurement of six nos. Self Propelled Ultrasonic Rail Testing (SPURT) Car for detection of internal defects in rails is also planned. Further, it has been decided to undertake trial of Ultrasonic Broken Rail Detection (UBRD) System, Rail Fracture & Intrusion Detection System using distributed optical fiber sensing and Loco-Vision Analytics and Rail Integrity Monitor system (RIM) on some stretches for detection of broken rail.

Optical Fiber Cable (OFC) based rail fracture detection system is planned on trial basis on some stretches of Northeast Frontier Railway and North Central Railway.

The implementation of Ultrasonic Broken Rail Detection (UBRD) System, Optical Fiber Cable (OFC) based System and Loco-Vision Analytics and Rail Integrity Monitor system (RIM) shall be decided after successful completion of trial.

This Press Release is based on the information given by the Minister of State for Railways Shri Rajen Gohain in a written reply to a question in Rajya Sabha on 15.12.2017 (Friday).

AKS/MKV/DK

(Release ID: 1512776) Visitor Counter : 659

