

Ministry of Railways



Indian Railways Approves Kavach Deployment Worth ₹270 Crore on 631 Route Kilometres of East Coast Railway to Enhance Safety and Operational Efficiency

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In a major step towards strengthening railway safety through indigenous technology, Indian Railways has approved the provision of Kavach on 631 Route Kilometres (RKm) of East Coast Railway at a cost of ₹270 crore.

The project covers six important railway sections of East Coast Railway, namely Baghuapal–Budhapank, Haridaspur–Paradeep, Khurda Road (KUR)-Balangir, Naupada-Gunupur, Lanjigarh Road-Junagarh and Bobbili-Salur.

Expansion of Indigenous Automatic Train Protection System

The sanctioned work forms part of Indian Railways' larger programme for deployment of Kavach with LTE-based communication backbone across the railway network. Kavach is India's indigenously developed Automatic Train Protection (ATP) system designed to enhance safety by preventing signal passing at danger (SPAD), over-speeding and train collisions. The system continuously monitors train movement and automatically applies brakes whenever required, significantly improving operational safety.

Enhanced Safety, Speed and Reliability

Installation of Kavach on these routes will help achieve a higher level of safety in train operations by providing automatic train protection and collision avoidance capabilities. In addition, Kavach enables safer and more reliable train movement during adverse weather conditions, including dense fog, thereby improving service reliability and punctuality.

Strengthening Safety Infrastructure Across East Coast Railway

The project is expected to benefit both passenger and freight train operations across key sections of Odisha and neighbouring regions served by East Coast Railway. It will further strengthen Indian Railways' ongoing mission to expand Kavach coverage across high-density and strategically important routes.

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