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Railways Approves Rs 295-Crore Kavach 4.0 Rollout Across Izzatnagar Division

13 August 2026 ·

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Railways Approves Rs 295-Crore Kavach 4.0 Rollout Across Izzatnagar Division

13 August 2026 · 1 min read ·

✓ Every fact web-verified against primary sources

*Indian Railways approved a **Rs 295-crore deployment of Kavach 4.0**, its indigenous Automatic Train Protection system, across **660 route-km and 53 stations** of the **Izzatnagar Division, North Eastern Railway**.*

Background

Kavach, formerly called the Train Collision Avoidance System (TCAS), is India's indigenously developed Automatic Train Protection (ATP) technology, designed to eliminate human-error-driven train collisions by automatically applying brakes if a driver fails to respond to speed or signal restrictions. Version 4.0 upgrades the system's communication backbone to LTE, improving reliability over earlier iterations.

Coverage

The Izzatnagar Division rollout covers the **Kasganj-Izzatnagar, Izzatnagar-Kathgodam and Bhojipura-Tanakpur** routes.

UPSC Relevance

Kavach's phased nationwide rollout is a recurring current-affairs and Mains theme on railway safety modernisation, particularly in the context of parliamentary scrutiny of the pace and funding adequacy of deployment following major rail accidents. It is also a useful example of indigenous safety-technology development under the broader Atmanirbhar Bharat framework in the infrastructure sector.

 FACTS CORNER, KNOWLEDGE PEDIA**KAVACH 4.0, IZZATNAGAR DIVISION:**

System: Kavach 4.0 (formerly TCAS, Train Collision Avoidance System); indigenous Automatic Train Protection

Coverage: 660 route-km, 53 stations, Izzatnagar Division, North Eastern Railway

Cost: Rs 295 crore

Routes: Kasganj-Izzatnagar, Izzatnagar-Kathgodam, Bhojipura-Tanakpur

Upgrade: LTE-based communication backbone

OTHER RELEVANT FACTS:

Kavach automatically applies brakes when a driver fails to respond to speed/signal restrictions

Sources: Ministry of Railways, PIB

Source: Railways Approves Rs 295-Crore Kavach 4.0 Rollout Across Izzatnagar Division — Ujjayi.com | Free
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