

पूर्व मध्य रेल

**East Central Railway**

|                                                                                   |                                                                                                                                                                                           |                                                                                                                                                                         |
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|  |  <p><b>2025</b><br/>International Year<br/>of Cooperatives<br/>Cooperatives Build<br/>a Better World</p> | प्रधान मुख्य सिग्नल एवं दूरसंचार इंजीनियर का कार्यालय<br>हाजीपुर - 844 101<br>Office of the Principal Chief Signal &<br>Telecommunication Engineer<br>Hajipur - 844 101 |
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**e-File. ECR/S&T/Kavach-ECR(e- 211851))**

**Dated: 23.01.2026**

**DRM**

**DHN, DDU, DNR, SEE & SPJ**

**E. C. Railway.**

**Sub: Issuance of Joint Procedure Order for Operationalization of KAVACH (IR-ATP) over ECR**

**Ref: JPO No.ECR-HQ0SnT(KVCH)/0008/2025 (356145) dtd.01.01.2026.  
(Enclosed)**

In reference to above, a JPO is being issued for operational of KAVACH (IR-ATP) over ECR.

This Joint procedure order outlines the systematic approach for operationalization of KAVACH system over ECR to enhance safety in train operations and coordination among departments involved.

This is for kind information and necessary instruction please.

DA: as above

  
23/01/2026  
( अजीत कुमार )  
(Ajit Kumar)

मुख्य संचार इंजीनियर / पूमरे / हाजीपुर  
CCE/ECR/Hajipur

**Copy to :**

1. Secy to GM for kind information to GM.
2. AGM for kind information please.
3. PCOM, PCSO, PCSTE, PCE, PCEE, PCME for kind information please.

## **EAST CENTRAL RAILWAY**

### **Joint Procedure Order for Operationalisation of KAVACH (IR-ATP) over ECR**

This Joint procedure order outlines the systematic approach for operationalisation of KAVACH system over ECR to enhance safety in train operations and coordination among departments involved.

#### **1. Objective**

- To maximize train running with KAVACH-equipped locomotives/Train Sets over KAVACH commissioned sections. (Traffic, Electrical & Mechanical)
- To maximize SKAVACH & Loco-KAVACH commissioning to achieve maximum KAVACH protection. (S&T & Electrical)

#### **2. Trials before Commissioning**

After completion of field works related to Stationary KAVACH systems, trials to begin with light engines/passenger/freight trains in newly KAVACH installed sections, then progressively introduce Mail/Express trains after satisfactory performance. (Traffic, Electrical, Mechanical, S&T)

#### **3. Commissioning Notification**

Section-wise commissioning notification shall be issued to all concerned via XXR message under signature of gazetted officer (S&T).

#### **4. Coordination and planning to maximize running of KAVACH fitted trains in KAVACH commissioned sections:**

Revision of loco/crew links in coordination with feeding divisions/zones to attach KAVACH fitted locomotives on maximum number of trains and ensuring their running with trained crew & KAVACH in ON condition. (Electrical, Traffic)

Ensure trains run with trained crew and KAVACH in the "ON" condition. (Electrical, Traffic)

#### **5. Training and Capacity Building**

Ensure training of trainers and officers at IRISSET/Secunderabad and then proliferate it through Zonal training centers. Competency and Assurances to be checked/ taken regularly by respective supervisors. (Electrical, Mechanical, Traffic, S&T)

#### **6. Maintenance of Assets**

- Station KAVACH, OFC, Towers, RFID Tags, etc. through OEM/supporting agencies. (S&T)
- On board KAVACH through OEM/supporting agencies. (Electrical, Mechanical) KAVACH buildings. (Engineering, Electrical)
- KAVACH Buildings. (Engineering, Electrical)

#### **7. Failure Reporting and Restoration**

- Loco pilots to report failures affecting train operations to SMs, who will inform Section Control for early rectification and will record in a KAVACH Register kept at stations. (Electrical, Mechanical, Traffic, S&T)
- DRM/S&T and DRM/TRO to monitor reported & un-reported failures through NMS logs or other means and ensure prompt rectification through OEM/responsible staff for Stationary Kavach and Onboard Kavach, respectively. (S&T & Electrical, Mechanical)

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## 8. Safety Measures

- Protection of S&T cables: All digging works in the vicinity of track to be done after joint inspections & getting proper markings to ensure 24x7 KAVACH functioning by Joint Procedure Order (JPO) ECR-HQ0SnT(Genl)/41/2020(5954) dtd. 21.05.2024. (Engineering, S&T, Electrical)
- Protection of RFID tags at their designated locations to ensure proper functioning of KAVACH by Joint Procedure Order (JPO) for fixing of RFID tags in KAVACH territory (No. ECR/S&T/KAVACH-ECR (e-211851) dtd. 25.09.2025 on the subject. (Engineering)
- Changes in gradient & PSR to be advised to S&T for immediate updating in KAVACH logic. (Engineering, Traffic)
- After wheel profiling/Tyre turning in any loco shed, locomotive should not be turned out of shed without feeding new diameter in Loco Kavach system maintained by the OEM/supporting agencies. (Electrical, Mechanical)
- All new works to be planned with KAVACH modifications. Information of yard alterations, closure of LC Gates, Loop line speed alterations etc. to be given minimum 60 days in advance to S&T for making KAVACH modification in the section ready before commissioning. (Engineering, S&T, Traffic, Electrical, Mechanical)

## 9. KAVACH (IR-ATP) system as per GR 1.02, clause (28A)

*“KAVACH means a radio communication-based control system, provided as an additional aid to Loco Pilots of functional Kavach fitted locomotives, Train Sets in Kavach territory, the use of which shall in no way infringe or override the provisions (codes and manuals) of regular train operation required to be followed by Loco Pilot”.*

All operations to comply above provision of GR.

These are broad guidelines to achieve better protection& availability of KAVACH over East Central Railway. All concerned departments and divisions are instructed to adhere to the above guidelines and work as per instructions and directives of Railway Board, RDSO, ECR and other authorities for achieving better train protection through KAVACH.

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Copy to,

1. Secretary to GM: for kind information of GM.
2. AGM, All PHODs, DRMs: for information and necessary action please.