

भारत सरकार (GOVERNMENT OF INDIA)
रेल मंत्रालय (MINISTRY OF RAILWAYS)
रेलवे बोर्ड (RAILWAY BOARD)

No. 2025/CE-II/TK/TACell

New Delhi, dated 31.07.2025

**Principal Chief Engineers,
All Zonal Railways.**

Sub: Establishment of Track Analytics Cell

1. With the increasing digitalization of Indian Railways, a significant volume of data related to maintenance, planning, and execution is now being hosted across multiple web-based platforms such as Track Management System (TMS), Bridge Management System (BMS) and other related portals. Field officials, particularly Branch Officers, are increasingly required to draw actionable points from a variety of these sources, which is a time consuming exercise.

2. To make the system more efficient and focused, it has been decided to establish **Track Analytics Cells** at the Divisional level. Similarly, there would be a Cell under CPD/TMS/NR for IR.

3. Objectives and Responsibilities:

The Track Analytics Cells (TAC), both at the Divisional level and under CPD/TMS/NR, will work to support data-driven decision-making, enhance maintenance planning, and strengthen safety monitoring by leveraging digital platforms such as TMS/BMS. Its primary role is to assist field officials by monitoring data on TMS/BMS, providing actionable insights, identifying anomalies, ensuring timely and accurate data feeding etc.

The list of duties to be performed by the TAC, primarily in relation to TMS/BMS is as under:

A. Day-to-Day Monitoring and Data Compliance

(i) TMS-based Safety Monitoring:

- Continuously monitor safety-related data in TMS.
- Flag exceptions and critical alerts to SrDEN, ADEN, SSE/P.Way (In-charge) and Sectional JE/SSE.
- Monitor the progress of compliance at each level till resolution.
- Disseminating relevant insights generated by the Cell under CPD/TMS/NR to Divisional officials.

(ii) Exception Handling and Rectification:

- Identify anomalies, discrepancies, or exceptions in reports available on TMS.
- Follow up with concerned field officials to ensure rectification in a time-bound manner.

(iii) Timely Data Feeding:

- Ensure regular and timely updating of data in TMS, particularly for:
 - Asset inspections & compliance of deficiencies found in inspections
 - Asset renewals
 - Attention of locations identified during TRC & OMS runs etc.

(iv) New Data Fields and Features:

- Ensure that any newly introduced fields/features in TMS are appropriately filled.
- Follow up with concerned officials if data remains unfilled.

B. Training and Capacity Building

(i) Hands-On Support:

- Provide support to divisional officials for understanding and using TMS features.
- Organize demonstrations and short training sessions as per the requirement of Divisional officials.

(ii) Orientation on New Features:

- Educate staff about new features, updates, or modules added to TMS or related platforms.
- Ensure practical adoption of changes in regular workflows.

C. Coordination and Feedback

(i) Internal Coordination:

- Act as a link between data insights and field execution.
- Provide periodic feedback to Divisional officers regarding unresolved issues or data quality concerns.

(ii) External Coordination:

- Liaison with:
 - TAC under CPD/TMS/NR for updates, feedback, clarification etc.
 - CRIS for platform-related issues or feature requests
 - Track Analytics Cells of other Divisions for sharing best practices or troubleshooting.

4. It will be ensured that Track Analytics Cell will not be the part of Engg. Control i.e. it will not be assigned duties related to traffic block management, movement of DMTs, material supply etc.

5. Manning & Reporting Structure of the Cells:

(a) Each data analysis cell will be staffed as follows:

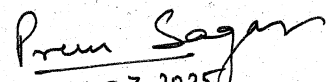
- i. One Permanent Way (P.Way) supervisor as the in-charge of the Cell.
- ii. One/two track maintainers proficient in computer usage.

(b) Divisional Cell will report to SrDEN/Co. for day-to-day working.

6. **Training and Capacity Building:** IRICEN in coordination with CRIS will arrange short-term courses and online lectures for training of personnel posted in these cells, as and when required, to ensure they remain updated with the latest developments in TMS/BMS.

7. Zonal railways are requested to make necessary arrangement for establishment of Track Analytics Cells in each of their Divisions, latest by 31.08.2025.

8. This issues with the approval of Board (MI & CRB).


31.07.2025

**PED/CE(Plg.),
Railway Board**

Copy: DG/IRICEN for kind information please.