

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

**No. 2023/S&T/Dev/RDSO.Corres. - Part(1)**

**Dated: 22.07.2025**

**DG/IRISET, Secunderabad**

**DG/RDSO, Lucknow**

**Sub:** Designation of RDSO as the Nodal Agency for Standardization and Optimization of Braking Parameters for OEM-Specific Braking Algorithms in Kavach System.

**Ref:** 1. Railway Board's letter no. 2022/Sig./CoE dated 27.06.2022.

2. PCSTE/WCR letter no. WCR/NHQ/150/Works/KAVACH dated 18.07.2025.

In continuation of earlier directions issued vide Railway Board's letter under reference (1) designating the Centre of Excellence (CoE) at IRISET for standardization and optimization of braking requirements for Kavach, it is observed that RDSO has consistently played a significant role in evaluation, validation, and approval of OEM-specific braking parameters. Considering the technical expertise and institutional involvement of RDSO, in regards to item no 6 of reference (1) above, it has now been decided that:

1. RDSO shall be designated as the Nodal Agency for standardization, validation, and approval of OEM-specific braking parameters to be used in the Kavach System across different classes of locomotives and trainsets.
  - RDSO's S&T Directorate will be assisted by the concerned Motive Power and Rolling Stock Directorates for this purpose.
  - The Centre of Excellence (CoE), IRISET shall extend necessary technical support in this regard, as required.

2. The Centre of Excellence (CoE), IRISSET shall continue to be the nodal agency for the Universal Braking Algorithm, which is being developed for standardized application across all vendors and rolling stock categories.

All other items of reference (1) above regarding roles & responsibilities of CoE will remain unchanged.

This issues with the approval of the competent authority.

Digitally signed by  
V B MATHUR

Date: 22-07-2025  
15:29:54

(V.B. Mathur)

Executive Director/S&T(Dev)-I  
Railway Board

**Copy to:**

- 1) PED/S&T, RDSO, Lucknow -- For information & necessary action please.
- 2) PED/CoE/IRISSET, Secunderabad -- For information & necessary action please.
- 3) ED/Tele-II, RDSO, Secunderabad -- For information & necessary action please.