



भारत सरकार Government of India
रेल मंत्रालय Ministry of Railways
(रेलवे बोर्ड Railway Board)



No. 2024/CEDO/SR/05(1)/SRDSPZ 350/IR-DFCCIL

New Delhi, dated 06.05.2024

The Director General,
Research Designs & Standards,
Manak Nagar,
Lucknow-226011.

Sub: Future Improvement of Ballast Regulating Machine Model SRDSPZ 350

Ref: (i) Railway Board's letter no. 2024/CEDO/SR/05/SRDSPZ 350/IR-DFCCIL, dated 06.05.2024

(ii) CCRS office letter no. Q.12011/05/2020-21-T.W, dated 20.02.2024

(iii) RDSO's letter no. TM/HM/11/40/BRM-SRIDA, dated 04.09.2020 and no. TM/HM/11/57/RGM-96, dated 06.02.2024

(iv) RDSO's Provisional Speed certificate (PSC) no. TM/HM/11/40/BRM-SRIDA dt. 03.07.2019 and its Amendment No. 1, 2 & 3 dt. 01.12.2020, 29.12.2021 & 05.12.2023 respectively

With reference to RDSO above application, sent through the Chief Commissioner of Railway Safety, Lucknow; sanction of the Ministry of Railways, Railway Board has been communicated for introduction of Ballast Regulating Machine Model SRDSPZ 350, manufactured by M/s Hubei Srida Heavy Duty Engineering Machinery Co. Ltd., China [Maximum Axle Load: 20.32t] to its Drawing no. SPZ-350A0-00-00 Version-A upto maximum speed of 60 kmph when running on its own power as well as when running in train formation over Indian Railway, by Zonal Railways and over routes of Eastern & Western Dedicated Freight Corridor of DFCs by DFCCIL vide RB's letter under reference (i) above. CCRS, while recommending for introduction of this Rolling Stock to Railway Board has suggested **following measures for future improvement of the above rolling stock:**


- i. 4 nos. CCTV Cameras have been provided to assist the operator carry out the ballast regulating operations. However, there is no provision to record the CCTV footage for reference during investigation/ enquiry of an unusual incident. Necessary modifications should be made to record CCTV footage for at least 30 days.
- ii. Machine may be equipped with centralised Computer based Monitoring & Control System to monitor the health of various systems such as engine, hydraulics, pneumatic & electrics. The data so captured should be displayed in

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driver's cab. Arrangement should also be made for downloading & analysing the data.

- iii. At present the stock is proposed to be operated at a speed of 60 Kmph based on the Provisional Speed Certificate issued by RDSO. Oscillation trial of the stock should be planned & conducted at the earliest and Final Speed Certificate issued to utilize its full speed potential.

RDSO is requested to examine above and take necessary action. The compliance of the same should also be submitted to CCRS.

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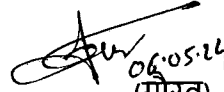
e-mail address: dceg@rb.railnet.gov.in

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New Delhi, dated 06.05.2024

Copy forwarded for information to :

1. The Chief Commissioner of Railway Safety, Office Compound of DRM/NER, Ashok Marg, Lucknow, w.r.t. his endorsement No Q.12011/05/2020-21-T.W, dated 20.02.2024
2. The Commissioner of Railway Safety, All Circles
3. Executive Director (Standards) Motive Power, RDSO, Lucknow
4. Executive Director (Standards) Track-I, RDSO, Lucknow
5. Principal Executive Director Track (M&Mc), Railway Board

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