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

आज़ादी का अमृत महोत्सव

आज़ादी का अमृत महोत्सव

No. 2021/CEDO/SR/22(2) **New Delhi, Dated 23.12.2021**

The Director General,
RDSO,
Manak Nagar, -226011.

Sub:- Improvement of the **Multipurpose Tamper (MPT) Model DDC-16W,** manufactured by M/s CRCC High Tech Equipment Corporation Ltd., China to GA Drawing no. DDC16W(IND)-00 [Unique Transportation Code: **MTDDC16W;** Maximum Axle Load: **18.3t**]

Ref:- (i) Railway Board's letter No. 2021/CEDO/SR/21(1), dated 23.12.2021
(ii) RDSO's letter no. TM/HM/11/49/PCT/CRCC, dated 25.01.2021 & 08.10.21
(iii) CCRS office letter संख्या–Q.12011 / 07 / 2020–21–त.वि, dated 11.08.2021

With reference to your 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 operation of **Multipurpose Tamper (MPT) Model DDC-16W, manufactured by M/s CRCC High Tech Equipment Corporation Ltd.,** China [Unique Transportation Code: **MTDDC16W**; Maximum Axle Load: **18.3t**] to its GA Drawing no. DDC16W(IND)-00 up to a maximum speed of **65 kmph when running on its own power as well as in train formation** over IR, by Zonal Railways vide Railway Board's letter under reference (i) above. CCRS, while recommending for introduction of this Rolling Stock to the Railway Board has suggested ***following measures for future improvement of the*** **machine** :

(i) At present the stock is running at a speed of 65 kmph on its own power as well as in train formation on the basis of Provisional Speed Certificate. Oscillation trial of the stock should be conducted at the earliest and Final Speed Certificate issued to utilize the full speed potential of the stock

(ii) Necessary provision should be made to record the conversation between staff present in the cabs for reference during enquiry of any unusual incident/accident

(iii) 4 No CCTV cameras have been provided to assist the operator carry out the tamping operations. However, there is no provision to record the CCTV footage for reference

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during investigation/ enquiry of an unusual incident. Necessary modifications should be made to record CCTV footage for at least 30 days.

(iv) Optical Fiber based Linear Heat Detection (LHD) system should be provided wherever there are bunching of cables. This will help in detecting heating spots before they are converted in to fire.

(v) rack Machines must be offered for statutory inspection only after commissioning & calibration/fine tuning

(vi) Application must accompany track parameters before and after maintenance of a location like turn out, points & crossing etc and its analysis against the codal provisions clearly bringing out the effectiveness of the machine. The parameters recorded by the machine after maintenance must closely match the parameters measured manually

(vii) Comparison of salient features of machine against the tendered specification along with statement of deviation, if any, must be submitted along with the application

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

23.12.21

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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 संख्या–Q.12011/07/2020–21–त.वि, Dated 11.08.21
2. Executive Director (Standards)Motive Power, RDSO, Lucknow
3. Executive Director (Standards) Track-I, RDSO, Lucknow
4. Executive Director Tk(M&Mc), Railway Board

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