

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

No. 2024/CEDO/SR/21/BLCS-DSC-25T-75 kmph-WDFC

New Delhi, dated 27.01.2025

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

The General Manager,
All Indian Railways

Managing Director,
DFCCIL,
5th Floor, Supreme Court,
Metro Station Building Complex,
New Delhi - 110001

Sub : Introduction of Broad Gauge Bogie flat Wagon type 'BLCS' (A-Car & B-Car) [Max. Axle Load: 25t] to RDSO's Drg. Nos. WD-15011-S-02 (for A-Car) & WD-15012-S-02 (for B-Car) for operation upto 25t axle load with enhanced load in top stack in double stack configuration(DSC) upto a maximum speed of (i) 100 kmph for wagon without any containers, (ii) 100 kmph for wagon with empty and loaded containers in single stack, (iii)75 kmph for wagon with double stack containers in empty & loaded condition under various condition as laid down in para 3.5.3 of RDSO Revised Interim Speed Certificate, subject to other conditions detailed in sub para 3 of the speed certificate over routes of Western Dedicated Freight Corridor of DFCs by DFCCIL

Ref : (i) Board's letter no. 2024/CEDO/SR/21/BLCS-DSC-25T-75kmph-WDFC., dated 23.01.2025- stands withdrawn
(ii) CCRS letter no. Q.12011/02/2020-21-T.W., dated 09.10.2024
(iii) RDSO letter no. MW/ CONTR/BLC25-S, dated 16.08.2024
(iv) RDSO Revised Interim Speed Certificate (R-ISC) no. MW/CONTR/BLC/R-ISC/EDFC/WDFC/25T, dated 08.11.2024


With reference to RDSO above application, sent through Chief Commissioner of Railway Safety, Lucknow; sanction of the Ministry of Railways, Railway Board is hereby communicated for introduction of Broad Gauge Bogie flat Wagon type 'BLCS' (A-Car & B-Car) [Max. Axle Load: 25t] to RDSO's Drg. Nos. WD-15011-S-02 (for A-Car) & WD-15012-S-02 (for B-Car) for operation upto 25t axle load with enhanced load in top stack in double stack configuration(DSC) upto a maximum speed of (i) 100 kmph for wagon without any containers, (ii) 100 kmph for wagon with empty and loaded containers in single stack, (iii)75 kmph for wagon with double stack containers in empty & loaded condition under various condition as laid down in para 3.5.3 of RDSO Revised Interim Speed Certificate, subject to other conditions detailed in sub para 3 of the speed certificate over routes of Western Dedicated Freight Corridor of DFCs by DFCCIL with the following stipulations :

- i. RDSO shall issue a unified Speed Certificate for operation of subject wagon with 25t axle load up to a max speed of 100km/h in empty and 75 Km/h in all loading combinations of Double stack configuration (DSC) over routes of Western Dedicated Freight Corridor of DFCCIL duly ensuring compliance of all the stipulations of existing sanction, existing speed certificates etc. RDSO shall also explore the possibility of upgradation of wagon design to obtain the max speed up to 100 km/h for all the possible loading combinations of DSC.
- ii. Oscillation trials to be conducted over run down DFC track with worm wheel outline & instrumented measuring wheel within a period of two years from Board's sanction of subject rolling stock and final speed certificate shall be issued accordingly.
- iii. Coupler Forces and EBD trials to be done as mandated under Para 2 &3 of Appendix 2 of Policy Circular-6 dt. 01.05.2023.
- iv. Observance of all the permanent and temporary speed restrictions already in force and/or those that may be imposed from time to time on various accounts.


21/1/25

- v. Periodic rail grinding at stipulated frequency should be carried out on routes by ensuring the availability of traffic blocks.
- vi. Railway should ensure installation of way side lubricators as per provision of IR P.Way manual in a time bound manner.
- vii. Location of bridges on which speed restrictions have been imposed shall be notified by the Railways and incorporated in the working Time Table so that all operating staff is aware of the instructions.
- viii. Adequate number of WILD and "Weigh Bridges" shall be progressively installed and their working closely monitored. 100% weighment of loaded wagons shall be ensured at the loading points to avoid running of overloaded wagons on track.
- ix. In case of rolling stocks/train (having this wagon in its composition) having EBD of more than 1km and non-provision of second distant signal/4 Aspect automatic signaling in the section, action as per Para 7.8.9 of IRSEM (Issue July 2021) shall be taken.
- x. No overdue in track/rolling stock maintenance shall be permitted.
- xi. Separate maintenance regime to be legislated for higher axle load route.
- xii. Right powering of loaded trains running with 25t axle loaded wagons shall be ensured.
- xiii. Necessary precautions shall be taken in case of abnormal wind condition.
- xiv. Rolling stock should not be mixed up with other stock having less axle load or speed potential.
- xv. Brakes of the locomotive and the rake of the wagons shall be in good working order during the operation. Air brake system of wagons with twin-pipe shall also be in working order for operation at 75 kmph and beyond.
- xvi. Before initiating the operation, GGM (Mechanical) of the DFCCIL shall arrange to certify the track worthiness and ensure safety of rolling stock. Proper maintenance of the rolling stock shall also be ensured.
- xvii. List of identified feeder routes of DFC fit for 25t axle load operations (if any) may be furnished to this office before commercial operation of this wagon.
- xviii. In field instrumentation of rails to be done to determine actual in-service rail stresses under various limiting conditions.
- xix. Installation of measuring wheel on the rolling stock to capture real time rail-wheel forces by running it periodically for working out critical forces and planning maintenance intervention, if required, to be done.

2. Board's letter of even no. dated 23.01.2025 stands withdrawn with immediate effect.


(किशन रावत)

निदेशक सिविल इंजी.(जी)/रेलवे बोर्ड

[Rly No. 030-47598, MTNL No. 011-23047598]


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

No. 2024/CEDO/SR/21/ BLCS-DSC-25T-75 kmph-WDFC

New Delhi, dated 27.01.2025

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.12011/02/2020-21-T.W., dated 09.10.2024
2. The Commissioner of Railway Safety, All Circles
3. Executive Director (Standards)Motive Power, RDSO, Lucknow
4. Executive Director (Standards) Track-I, RDSO, Lucknow
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