840161/2021/O/o DCE(G)

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

No.2021/CEDO/SR/09(BLCS-D/S) New Delhi, Dated 03.03.2021

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

The General Manager,
All Indian Railways

Sub: Introduction of BG low platform Bogie Container Flat Wagon type **'BLCS' (A-Car & B-Car)** having maximum **permissible axle load at 22.32t [Maximum Designed Axle Load 25.0t]** to RDSO's Drawing Nos. WD-15011-S/02 Alt.3 (A-Car) & WD-15012-S/02 Alt.4 (B-Car) and WD 18093-S-1 for operation upto provisional maximum speed of **65 kmph** without any container and with empty/loaded containers *(each container having 2591/2896 mm height & 2400 mm width)* in **double stack** condition having overall height upto 6809 mm, by Zonal Railways

Ref: (i) RDSO's Provisional Speed Certificate (PSC) No. MW/CONTR/BLC25-S, dated 27.03.2019 and its Amendment no. 1 & Amendment no. 2 dated 23.09.2020 & 26.02.2021
(ii) RDSO's letter no. MW/CONTR/BLC25-S, dated 24.04.2019
(iii) CCRS office letter no. Q.12011/4/2019-20-r.w, dated 29.01.2021

With reference to RDSO above application, sent through the Chief Commissioner of Railway Safety, Lucknow; sanction of the Ministry of Railways, Railway Board is hereby communicated for introduction of BG low platform Bogie Container Flat Wagon type 'BLCS' (A-Car & B-Car) having maximum permissible axle load at 22.32t [Maximum Designed Axle Load 25.0t] to RDSO's Drawing Nos. WD-15011-S/02 Alt.3 (A-Car) & WD-15012-S/02 Alt.4 (B-Car) and WD 18093-S-1 for operation upto provisional maximum speed of 65 kmph without any container and with empty/loaded containers *(each container having 2591/2896 mm height & 2400 mm width)* in double stack condition having overall height upto 6809 mm, over the following routes, *(i) Jaipur- Phulera-Ajmer-Marwar Jn.-Palanpur-Mahesana-Viramgam-Surendra Nagar-Botad-Pipavav Port route, (ii) Palanpur-Samakhiali route, (iii) Palanpur-Kandla port / Mundra port route, (iv) Rewari-Ringas-Phulera route & (v) Gurgaon-Rewari route of Indian Railways, by Zonal Railways,* with followings stipulations:

i. Observance of all the conditions laid down in RDSO's Provisional Speed Certificate No. MW/CONTR/BLC25-S, dated 27.03.2019 with its Amendment no.1 & Amendment no. 2 dated 23.09.2020 & 26.02.2021, shall be ensured on the Railway while seeking the sanction of General Manager for introduction of rolling stock on the Railway. All the documents required for the sanction of General Manager as per CE(G) Directorate/Railway Board Policy Circular No. 6, dated 31.10.2018, along with sanction letter, shall be submitted to the

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Commission before the start of actual operation of rolling stock, as per extant procedure.

ii. 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.

iii. Location of bridges on which speed restrictions have been imposed shall be notified by the Railways and incorporated in the working timetable so that all operating staff is aware of the instructions.

iv. USFD testing should be carried out at a frequency, one grade higher than the specified frequency in the USFD manual. On section with GMT more than 60, the existing stipulated frequency of once in one and a half month as per USFD manual may be continued.

v. CC+6+2/22.32t routes will be prioritized for rail grinding at stipulated frequency depending upon the availability of rail grinding machines over Indian Railway. However, rail grinding is not a prerequisite for operation of CC+6+2 / 22.32t axle load trains.

vi. Railway should ensure installation of way side lubricators as per provision of IR P.Way manual in a time bound manner.

vii. Before initiating the operation, PCME of the concerned Railway shall arrange to certify the track worthiness and ensure safety of rolling stock. Proper maintenance of the rolling stock shall also be ensured.

viii. Air brake system of wagons with twin-pipe shall be in working order during operation.

ix. Adequate number of WILD and 'Weigh Bridges' shall be progressively installed and their working closely monitored. 100% weighment of loaded wagons except consignments exempted from weighment shall be ensured at the loading points to avoid running of overloaded wagons on track.

x. No overdue in track/rolling stock maintenance shall be permitted.

xi. Right powering of loaded trains running with 22.32t axle loaded wagons shall be ensured. Traction power supply shall be suitably augmented to cater for additional load.

xii. As per Clause 2.1.2.1.1(i) of RDSO's FSC No. MW/CONTR/BLC25-S, dated 27.03.2019 after incorporating modified paras upto Amendment no. 2 dated 26.02.2021, for operation in Loaded condition upto 60 kmph for minimum standard of 52kg (90UTS) rail, **De-stressing temperature for LWR in Temperature Zone IV would be reduced by 5^0C (Tm to Tm+5).**

xiii. Further, as per clause 2.1.2.2 for operation in Loaded condition for speed above 60 kmph and upto 65 kmph for minimum standard of 60kg (90UTS) rail, for temperature Zone IV as per IRPWM June 2020, de-stressing of LWR at reduced temperature (Tm to Tm+5) shall be completed before onset of winter season. **If De-stressing in Zone IV is not done at lower temperature, loaded wagon will run at 60 kmph during the winter period of 1st November to 28th /29th of February of next calendar year.**

xiv. The movement of the wagon shall be avoided on platform line.

xv. The flat type (Car A & Car B) with double stack are infringing the IRSOD, hence movement on all type of Open Web Girder Bridges & Tunnels are prohibited.

xvi. Double stacking of 20' long & 8'-6" (2591 mm) high and 40' long & 9'-6" (2896 mm)/ 8'- 6" (2591 mm) high ISO (as per ISO:668) containers on BLCS wagon shall follow the instructions mentioned in para 2.4.3 of RDSO's

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provisional speed certificate no. MW/CONTR/BLC25-S, dated 27.03.2019 after incorporating modified paras upto Amendment no. 2 dated 26.02.2021.

xvii. In order to ensure safe operation of 22.32t axle load flat BLCS wagons loaded with 9'6"/8'6" container in double stack, horizontal and vertical clearances mentioned in condition no. 2.5.5 of RDSO's provisional speed certificate No. MW/CONTR/BLC25-S, dated 27.03.2019 after incorporating modified paras upto Amendment no. 2 dated 26.02.2021 shall be ensured.

xviii. Following precaution shall be taken in case of abnormal wind condition:

a. When Containers are EMPTY, and wind speed increases more than 50 kmph measured at 10m height from ground level, train to be moved at a speed of 30 kmph and stabled at nearest possible station/yard.
b. When containers are LOADED, and wind speed increases more than 80 kmph measured at 10m height from ground level, the train speed to be reduced to 40 kmph. Train to be stabled at nearest possible station/yard if the wind speed increases more than 100 kmph.

xix. Railway shall ensure that containers are lifted and lowered vertically to avoid any damage to inter-box connector locks /Automatic Twist Locks (ATL). Railway shall also ensure proper locking of inter-box connector locks/ATL at the starting station as well as at any station where loading/unloading is done.

xx. BLCS wagon is designed for 25t, but would be operated at 22.32 t axle load on Indian Railway track. Railways shall devise suitable measures to prevent overloading in containers.

xxi. Railway Board vide letter no. 2019/CEDO/SD/RS/02 dated 11.03.2019 has allowed the operation of Containers (2591/2896 mm height & 2400 mm width) in Double Stack on BG low platform Bogie Container Flat Wagon type 'BLCS' (A-Car & B-Car) over following identifies routes :

a. Jaipur-Phulera-Ajmer-Marwar Jn.- Palanpur Mahesana – Viramgam Surendra Nagar Botad- Pipavav Port route.
b. Palanpur- Samakhiali route.
c. Palanpur- Kandla port/ Mundra port route.
d. Rewari- Ringas- Phuiera route.
e. Gurgaon- Rewari route.

Operation on other than above routes, shall require the prior sanction of Railway Board.

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o/c (प्रेमसागरगुप्ता)
कार्यकारीनिदेशकसिविलइंजी.(जी)/रेलवेबोर्ड
[Phone: 030-44803(Rly) : 011-23383379(MTNL)]

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.13011/15/2009-T.W(Part)., Dated 18.12.2020
2. Executive Director (Standards)Motive Power, RDSO, Lucknow
3. Executive Director (Standards)Track-I, RDSO, Lucknow
4. Executive Director ME(Fr) , Railway Board

o/c ISSUE P.S.

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