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

No. 2020/CEDO/SR/11E **New Delhi, dated 18.09.2020**

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

The General Manager,
All Indian Railways

Sub:- Introduction of the Broad Gauge 9000 HP, 6 Axle, IGBT based 3-Phase drive Electric Freight Locomotive fitted with Co-Co Bogies [Unique Transportation Code: **WAG-9HH**; Maximum Axle Load: 22.0±2%t] to RDSO's General Arrangement Drawing No. SKEL-5035 alongwith Profile(MMD) Drawing No. SKEL-5039 Alt.01, up to a maximum speed of **100 kmph**, by Zonal Railways, on Indian Railway track maintained as per standard specified under Para 607 of IRPWM, Third Reprint 2019.

Ref:- (i) RDSO's letter No. EL/3.1.35/4/WAG9HH, dated 29.04.2020.
(ii) RDSO's Final Speed Certificate (FSC) No. SD.WAG9HH.11, dated 25.04.2020 and its Amendment no. 1 dated 29.05.2020, Amendment no. 2 dated 22.07.2020 & Amendment no. 3 dated 06.08.2020.
(iii) CCRS's letter No. Q.12011/01/2020-21-त.वि., दिनांक–08.07.2020

With reference to RDSO's 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 the Broad Gauge 9000 HP, 6 Axle, IGBT based 3-Phase drive Electric Freight Locomotive fitted with Co-Co Bogies **[Unique Transportation Code: WAG-9HH; Maximum Axle Load-22.0±2%t]** to RDSO's General Arrangement Drawing No. SKEL-5035 alongwith Profile (MMD) Drawing No. SKEL-5039 Alt.01, upto a maximum speed of **100 kmph,** by Zonal Railways, on Indian Railway track maintained as per standard specified under Para 607 of IRPWM, Third Reprint (July 2019), with following stipulations :

(i) Compliance of all conditions laid down in RDSO's final speed certificate No.SD.WAG9HH.11, dated 25.04.2020 and its Amendment no.1 dated 29.05.2020, Amendment no.2 dated 22.07.2020 & Amendment no.3 dated 06.08.2020, for operation up to a maximum speed of 100 kmph, shall be ensured on the railway, while seeking the sanction of General Manager, for introduction of the stock on the railway. Documents shall be submitted to the Commission before the start of the actual operation of rolling stock as per the extent procedure.

(ii) Track on the section shall be maintained as per standard specified under para 607 of IRPWM Reprint-2019, duly taking into account the correction /additions indicated in the Correction Slip No.155 dated 09.01.2020 [issued vide Railway Board's letter No. 2019/CE-II/CS/1/Pt. Dated 09.01.2020] to relevant para of IRPWM, which pertains to revised track maintenance standards for different speed bands. Railway shall impose suitable speed restriction in the sections where the track is not maintained to requisite Standards.

(iii) Observance of all permanent and temporary speed restrictions already in force and/or those that may be imposed from time to time on various accounts.

(iv) Maximum speed of the locomotive shall be restricted as speeds proposed therein or the maximum permissible speed of the section, whichever is less.

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(v) During operation of the WAG-9HH locomotive on different spans of Bridges, Railway shall ensure all the speed restrictions mentioned in RDSO's FSC No.SD.WAG9HH.11 dated 25.04.2020 and its amendments. **Location of bridges on which speed restrictions have been imposed shall be notified by the Railways and incorporated in the working timetable.**

(vi) Suitable communication shall be provided in the locomotive and guards van for communication between loco pilot, guard and adjacent station master.

(vii) Before commencing operations of this locomotive in any Zonal Railway, Safety Certification for all Electrical systems of this locomotive shall be done by EIG/RDSO and submitted to Commission. Thereafter, Safety Certification for all Electrical Systems shall be done by the EIG of the Zonal Railway maintaining the Rolling stock.

(viii) Before initiating the operation, PCEE of the concerned Railway shall certify the track worthiness and ensure safety of the rolling stock. Proper maintenance of the rolling stock shall be ensured.

(ix) Brakes of the rolling stock shall be in good working order during the operation.

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18/09/20
(प्रेम सागर गुप्ता)
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Copy forwarded for information to:

1. The Chief Commissioner of Railway Safety, Office Compound of DRM/NER, Ashok Marg, Lucknow
2. Executive Director (Standards) Motive Power, RDSO, Lucknow
3. Executive Director (Standards) Track, RDSO, Lucknow
4. Executive Director EE(RS), Railway Board

(प्रेम सागर गुप्ता)
कृते, सचिव रेलवे बोर्ड