



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



No. 2023/CEDO/SR/17/Vande Bharat/ NDLS-AGC/160 kmph

New Delhi, dated 05.02.2024

The General Manager
Northern Railway
New Delhi

The General Manager
North Central Railway
Allahabad

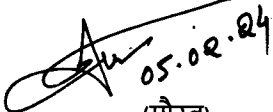
Sub Introduction of Train no. 20171/ 20172 Rani Kamtapati(RKMP) -- New Delhi (NDLS), 16 coach train set with new design propulsion system and bogies(Vande Bharat Trainset) [Max..Designed Axle Load 17t] up to a **maximum speed of 160 kmph** over Agra Cantt. (AGC) - Tuglakabad (TKD) section, on both UP and DN lines, by Zonal Railways

Ref :(i) Railway Board letter of even no. dated 31.03.2023

(ii) N.C. Rly's letter no. NCR/S&T/160kmph dated 31.03.2023

Railway Board had accorded permission for Introduction of Train no. 20171/ 20172 Rani Kamtapati(RKMP) -- New Delhi (NDLS), 16 coach train set with new design propulsion system and bogies(Vande Bharat Trainset) [Max..Designed Axle Load 17t] up to a **maximum speed of 160 kmph** over Agra Cantt. (AGC) - Tuglakabad (TKD) section, on both UP and DN lines, by Zonal Railways with stipulation vide letter under reference (i) above.

However keeping in view the Railway Board letter No. 2016/CEDO/SR/01, dated 09.01.2018 regarding provision of hanger/frills at booms of lifting barrier at level crossings, it has been decided that the requirement of hanger/frills at boom is not mandatory & need not be provided if not existing


(गौरव)

निदेशक सिविल इंजी.(जी)/रेलवे बोर्ड

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

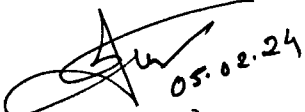
e-mail address: dceg@rb.railnet.gov.in

No. 2023/CEDO/SR/17/Vande Bharat/ NDLS-AGC/160 kmph

New Delhi, dated 05.02.2024

Copy forwarded for information to :

1. The Chief Commissioner of Railway Safety, Office Compound of DRM/NER, Ashok Marg, Lucknow-226001, w.r.t. his endorsement No. Q.12011/16/2022-23-T.W/NCR., dated 30.03.2023 & Q.12011/16/2022-23 -T.W/NR., dated 30.03.2023
2. Executive Director (Standards)Motive Power, RDSO, Lucknow
3. Executive Director (Standards)Carrige, RDSO, Lucknow
4. Executive Director Mechanical Coaching, Railway Board
5. Executive Director (Signal Development), Railway Board


(गौरव)

निदेशक सिविल इंजी.(जी)/रेलवे बोर्ड



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



No. 2023/CEDO/SR/17/VandeBharat/NDLS-AGC/160 kmph

New Delhi, Dated 31.03.2023

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

The General Manager,
North Central Railways


The General Manager,
Northern Railways

Sub: Introduction of *Train no. 20171/ 20172 Rani Kamlapati (RKMP) — New Delhi (NDLS)*, 16 coach train set with new design propulsion system and bogies (**Vande Bharat Trainset**) [*Max Designed Axle Load: 17t*] up to a maximum speed of 160 kmph over Agra Cantt. (AGC) - Tuglakabad (TKD) section, on both UP and DN lines, by Zonal Railways


- Ref: (i) CCRS office letter no. Q.12011/16/2022-23-T.W./NCR, dated 30.03.2023 & Q.12011/16/2022-23-T.W. NR, dated 30.03.2023
(ii) GM/NCR letter no. 355-W/CRS/Vande Bharat Exp/160 kmph/PWL-AGC/NCR/Bridge dt. 29.03.2023
(iii) GM/NR letter no. 519-W/2253/Track (Vande Bharat Train no. 20171/20172), dt. 30.03.2023
(iv) PCE/NR clarification letter no. 519-W/2253/Track dt. 30.03.2023.
(iv) RDSO's speed Certificate no. MC/LHB/Coach dt. 29.03.2023

With reference to NC Railway & Northern Railway above applications, sent through the Chief Commissioner of Railway Safety, Lucknow; sanction of the Ministry of Railways, Railway Board is hereby communicated for introduction of *Train no. 20171/ 20172 Rani Kamlapati (RKMP) — New Delhi (NDLS)*, 16 coach train set with new design propulsion system and bogies (**Vande Bharat Trainset**) [*Max Designed Axle Load: 17t*] up to a maximum speed of 160 kmph over Agra Cantt. (AGC) - Tuglakabad (TKD) section, on both UP and DN lines, by Zonal Railways, with the following stipulations

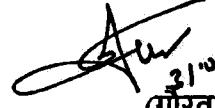
- i. Compliance of all the conditions/stipulations mentioned in CRS/NEC letter no. 3499/Vande Bharat Train/COCR/NCR dt. 30.03.2023 & CRS/NC letter no. 3499/Vande Bharat Train/COCR/NR dt. 30.03.2023.
- ii. Compliance of all the conditions/stipulations laid down in RDSO Speed certificate and NCR's & NR's Joint Safety Certificate.
- iii. Compliance of all the conditions/stipulations laid down in Railway Board Sanction Letter No. 2016/CEDO/SR/1 dtd 14.01.2016
- iv. Compliance of all the conditions/stipulations laid down in Railway Board sanction letter no 2022/CEDO/SR/24/Vande Bharat-160 kmph dtd 22.09.2022 for sanction of 160 kmph speed Vande Bharat train.

 31.03.2023

- v. Observation of all permanent and temporary speed restrictions in force and /or those may be imposed from time to time on various accounts.
- vi. Railway shall ensure provision of sturdy fencing in section of standard design to prevent trespassing by human & cattle which poses a threat to trains to comply Para 202 of IRPWM 2020.
- vii. Level crossing gates should not be permitted as mandated under Para 202 of IRPWM 2020 for 160 kmph speed. In exceptional cases, relaxation should be taken but duly ensuring adequate safety measures for public safety including deployment of RPF and such gates should be eliminated on high priority. Hangers/frills may be provided on the booms of lifting barriers to prevent cases of 2 wheelers/ public passing underneath barrier of closed gate.
- viii. As the leading coach of Vande Bharat trainset are much lighter than the locomotive, hitting of any obstruction or even cattle run over may lead to serious accident at higher speeds. Therefore,
- a. *Railway shall identify regular trespassing locations/cattle ingress and to avoid trespassing at these locations, suitable mechanism such as deployment of RPF personnel, regular patrolling, providing subway (for passing farmers along with cattle) etc. shall be put in place.*
- b. *Periodic drives shall be conducted to check and prevent trespassing by RPF with concerned departments by way of counselling of residents of land adjoining railway track and by conducting surprise checks to act as deterrent.*
- ix. It should be ensured that run through line is not platform line for safety of occupants and rail passengers. In case of any non-compliance, RPF/station staff shall be exclusively deployed on such platform/s at the time of passing of above train for safety of public duly stipulating suitable precautionary measures.
- x. Supervisors/officers shall not undertake push trolley inspection and working of rail dolly on the face of 160 Kmph train. Suitable guidelines shall be issued by the Railway in this regard.
- xi. Zonal railway shall ensure suitable mechanism to ensure strict compliance of provisions of various manuals with respect to preventive measures for rail/weld failures. Rail grinding at regular interval shall be done on the entire route for better riding behavior and to avoid rail fracture/weld failures. Regular greasing of all the curves in the section shall be ensured.
- xii. Stretches of existing weak formations (where PSR/TSR is imposed), if any, shall be planned to be rehabilitated/strengthen first before permitting train operation. Special watch shall be kept during rainy season. PCE may impose SR, where ever required, considering condition of track/bridges to ensure safety of train at 160 kmph.
- xiii. Track geometry shall be ensured compliant to prescribed 160 kmph speed norms as per Para 522 of IRPWM 2020 and monitored once in a month by OMS, once in two months by Track Recording Car and once in Four months by Oscillograph car. Zonal Railway shall interpret the results of runs of OMS, TRC and Oscillograph car and ensure corrective & preventive action.


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- xiv. Instance of OHE tripping and sparks/flash over shall be documented and reported to RDSO every month.
- xv. **Stipulated corridor blocks shall be regularly granted for ensuring track maintenance to required standards considering need of intensive track monitoring/maintenance at higher speed.**
- xvi. Issues needing improvement in the design of the rolling stock shall be documented along with necessary details and shall be promptly reported to RDSO.
- xvii. Zonal railway shall comply with extant directives/guidelines of RDSO/Railway Board for 160 kmph train operation to ensure suitability of track/bridge/OHE/Signaling requirements for safe train operation at 160kmph.
- xviii. Earthing in the coach body and all panels shall be properly maintained.
- xix. All types of braking system shall be maintained and ensured to be in good working condition.
- xx. First train, shall be accompanied by SAG officers of Safety, Engineering, Mechanical, S&T, and TRD branch to confirm safe and satisfactory conditions for subject train for 160 kmph operation. They may impose SR if considered necessary for safety of train.


31.03.23
(गौरव)


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[Rly No. 030-47598, MTNL No. 011-23047598]
e-mail address: dceg@rb.railnet.gov.in

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2. Executive Director (Standards) Motive Power, RDSO, Lucknow
3. Executive Director (Standards) Carriage, RDSO, Lucknow
4. Executive Director Mechanical Coaching, Railway Board


31.03.2023
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