कार्यालय
प्रधान मुख्यअभियंता
उत्तरी ब्लॉक, प्रथम तल, रेल सदन
चंद्रशेखरपुर, भुवनेश्वर-17

EAST COAST RAILWAY

Engineering Department

Office of the
Principal Chief Engineer
North Block, 1st Floor, Rail Sadan
Chandrasekharpur, Bhubaneswar-1

(3)

Date: 23.07.2024

CE Circular No. 01/2024

Sub: Different speed restrictions for LHB & non LHB/ICF rakes at same location on curves.

Ref:- (i) IRPWM – 2020 ACS No. 10 dtd: 07.11.2022
(ii) RDSO letter No. SV.FIAT (SC) dtd: 10.05.2023
(iii) Railway Board's letter No. 2024/CE-II/Safety dtd: 20.06.2024

As per IRPWM-2020, para: 404(2)- maximum permissible value of Cant Deficiency (Cd) has been prescribed as 75 mm, 100 mm and 150 mm for nominated rolling stocks.

Speed potential will be different for different permitted values of Cant deficiency (Cd) on the same curve.

As of now in ECoR, both LHB & non LHB/ICF rakes are running.For non LHB/ICF coaches Cant deficiency is 75 mm whereas for LHB coaches, it is 100 mm as mentioned in letter under reference (ii) and in some LHB coaches provisional cant deficiency (Cd) has been permitted upto 150 mm.

As, different Cd values give different speed potentials for the same curve.However, different PSRs cannot be imposed at the same curve which necessitates installations of different speed indicator boards at the same location. Vide Railway Board's letter under ref.(iii) above, it has been mentioned that there must not be 2 PSRs at the same location.

In this connection, it has been decided to calculate PSR as following:

1. **Sections having sectional speed upto 110 kmph: Cd to be taken as 75 mm.**
2. **Sections having sectional speed above 110 kmph: PSR to be calculated using Cd as 75 mm.**
   a. If PSR value comes out to be less than 110 Kmph, then it is to be adopted.
   b. However, if PSR value comes out to be more than or equal to 110 Kmph, then it is to be recalculated using Cd 100 mm &the same shall be adopted.
   c. This shall be applicable to all cases of raising of sectional speed and removal/relaxation of PSRs.

It should be implemented only after incorporation of revised PSRs as above, in the Working Time Table, following due procedure.

As only limited number of LHB coaches has been approved with Cant Deficiency (Cd) 150 mm, applicability of speed potential with Cant deficiency (Cd) 150 mm will be notified later.

23/7/24

(B.S.K. Rajkumar)
Principal Chief Engineer

No: W4/374/CE/Circular/ 5416

Date:23.07.2024

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1. Secy. to GM for kind information of GM.
2. PS to AGM for kind information of AGM.
3. CAO (Con)/BBS.
4. All PHODs of ECoR.
5. CTE, CBE, CPDE, CGE, CE/TP, CE/TM, CE/Br. Rehab., CE/RSW & CE/SD.
6. DRM/KUR, SBP & WAT.
7. CPM/RVNL- I & II/BBS, CPM/RVNL/VSKP & CPM/RVNL/Raipur.
8. Sr. DEN (Co)/KUR, SBP & WAT for information and necessary action.