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भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226 011
Government of India - Ministry of Railways
Research Design & Standards Organisation
Lucknow - 226 011

AN ISO 9001
CERTIFIED
ORGANISATION

MC/CB/AC/DD

Date: 26-8-2014

महाप्रबन्धक (इंजीनियरिंग)

1. मध्य रेलवे, छत्रपति शिवाजी टर्मिनस, मुंबई- 400001
2. पूर्व रेलवे, फेयरली प्लेस, कोलकाता - 700001
3. उत्तर रेलवे, बड़ौदा हाउस, नई दिल्ली - 110001
4. दक्षिण रेलवे, पार्क टाउन, चेन्नई 600003
5. दक्षिण मध्य रेलवे, रेल गिलायम, सिकन्दराबाद - 500071
6. दक्षिण पूर्व रेलवे, गार्डेन रीच, कोलकाता - 700043
7. पूर्वोत्तर रेलवे, गोरखपुर - 273012
8. पूर्वोत्तर सीमान्त रेलवे, मालीगाँव, गुवाहाटी - 781011
9. पश्चिम रेलवे, नर्मगेट, मुंबई - 400020
10. पूर्व मध्य रेलवे, हाजीपुर - 844101
11. पूर्व तटीय रेलवे, बीडीए रेंटल कालोनी, रेलवे काम्पलेक्स, चन्द्रशेखरपुरा, भुवनेश्वर, उड़ीसा -751016
12. उत्तर मध्य रेलवे, हार्लिंग रोड, इलाहाबाद 211001
13. उत्तर पश्चिम रेलवे, जयपुर - 302006
14. दक्षिण पश्चिम रेलवे, हुबली - 580023
15. पश्चिम मध्य रेलवे, जबलपुर - 482001
16. दक्षिण पूर्व मध्य रेलवे, आर ई आफिस काम्पलेक्स, बिलासपुर - 495004

Sub: Amendment no. 03 to Final speed certificate for operation of BG High Capacity AC EOG Double Decker Chair Car coaches (3050mm) fitted with pneumatic suspension at the secondary stage on FIAT bogies upto maximum speed of 160 kmph on track maintained to C&M-I, Volume-I standard.

Ref.: (i) This office speed certificate of even no. dated 15.11.2011 followed by amendment no. 01, dated 15.10.2012 & amendment no.02, dated 11.07.2013

(ii) SCR letter no. W.506/CRS/TR/AC/Vol.II dated 13.08.2013 & 19.12.2013

(iii) Track directorate note no. CT/DHS/3/COACHES dated 28/31-03-2014

South Central Railway vide its letter no. W.506/CRS/TR/AC/Vol.II dated 13.08.2013 & 19.12.2013 referred (ii) above, has requested to modify the Para 2.1.3. Further, track directorate advised to modify the Para 2.1.3 vide their note referred (iii) above. Accordingly, Para 2.1.3 of said speed certificate has been modified and shall be read as under:

"Para 2.1.3"

The maximum permissible speed on curves shall be decided on the basis of existing provision of the Indian Railway Permanent Way Manual, second reprint 2004.

संलग्नक:

1. Track directorate note no. CT/DHS/3/COACHES dated 28/31-03-2014

(सी. मधुसूदन राव)

कार्यकारी निदेशक मानक/चालन शक्ति

प्रतिलिपि:

1. सचिव (यांत्रिक/इलेक्ट्रिकल/इंजीनियरिंग-जी), रेलवे बोर्ड, रेल भवन, नई दिल्ली-110 001.
2. मुख्य रेल संरक्षा आयुक्त, मण्डल रेल प्रबन्धक कार्यालय, पूर्वोत्तर रेलवे परिसर, अशोक मार्ग
लखनऊ-226001
3. महाप्रबन्धक (यांत्रिक/ इलेक्ट्रिकल /ओपरेटिंग/एस एण्ड टी)

- i) मध्य रेलवे, छत्रपति शिवाजी टर्मिनस, मुम्बई- 400 001.
 - ii) पूर्व रेलवे, फेयरली प्लेस, कोलकाता - 700 001.
 - iii) उत्तर रेलवे, बडौदा हाउस, नई दिल्ली - 110 001.
 - iv) दक्षिण रेलवे, पार्क टाउन, चेन्नई - 600 003.
 - v) दक्षिण मध्य रेलवे, रेल निलायम, सिकन्दराबाद - 500 071.
 - vi) दक्षिण पूर्व रेलवे, गार्डेन रीच, कोलकाता - 700 043.
 - vii) पूर्वोत्तर रेलवे, गोरखपुर 273 012.
 - viii) पूर्वोत्तर सीमान्त रेलवे, मालीगाँव, गुवाहाटी - 781 011.
 - ix) पश्चिम रेलवे, चर्चगेट, मुम्बई - 400 020.
 - x) पूर्व मध्य रेलवे, हाजीपुर - 844 101.
 - xi) पूर्व तटीय रेलवे, बीडीए रेंटल कालोनी, रेलवे काम्पलेक्स, चन्द्रशेखरपुरा, भुवनेश्वर, उड़ीसा-751 016.
 - xii) उत्तर मध्य रेलवे, हार्लिंग रोड, इलाहाबाद - 211 001.
 - xiii) उत्तर पश्चिम रेलवे, जयपुर - 302 006.
 - xiv) दक्षिण पश्चिम रेलवे, हुबली - 580 023.
 - xv) पश्चिम मध्य रेलवे, जबलपुर - 482 001.
 - xvi) दक्षिण पूर्व मध्य रेलवे, आर ई आफिस काम्पलेक्स, बिलारापुर - 495 004.
4. मैनेजिंग डायरेक्टर, कॉकण रेलवे कार्पोरेशन लिमिटेड, बेलापुर, नवी मुम्बई - 400 614.

संलग्नक:

1. Track directorate note no. CT/DHS/3/COACHES dated 28/31-03-2014



(सी. सधुसूधन राव)

कार्यकारी निदेशक मानक/चालन शक्ति

3
1/4

12
3/3/14

रेलपथ निदेशालय

सीटी/डीएचएस/3/कोचेस

दिनांक- 28-03-2014

विषय- Max Speed to be permitted for high capacity AC EOG Double Decker Chair Car (width 3050mm) fitted with pneumatic suspension at the secondary stage on FIAT bogies (LWSCZDAC1)

संदर्भ- Carriage directorate's note no. MC/CB/AC/DD dt: 08-1-2014

The issue raised by SECR letter forwarded vide Carriage Directorate's above referred note been examined and comments are as under:

1. It is observed that the final speed certificate for operation of BG High Capacity AC EOG Double Decker Chair Car coaches (width 3050mm) and two LHB power cars fitted with pneumatic suspension at the secondary stage on Fiat bogies up to a maximum speed of 160kmph on track maintained to C&M-I Vol-I standard track has been issued after obtaining dispensation from oscillation trials on the basis of satisfactory oscillation trials conducted with BG High Capacity AC EOG Double Decker Chair Car coaches (width 3135mm) as contained in Report No. MT-1095/F which has been accorded by CCRS. It is seen from the RDSO report no. MT-1095/F that trial on 2° curve has been done on a requisite speed of 130kmph with full cant value of 165mm and cant deficiency of 100mm in case of C&M-I Vol-I standard track. In view of above, para 2.1.3 of Final Speed Certificate for operation of BG High Capacity AC EOG Double Decker Chair Car coaches (width 3050mm) and two LHB power cars fitted with pneumatic suspension at the secondary stage on Fiat bogies on C&M-1, Vol-I track issued vide letter no. MC/CB/AC/DD dated 15-11-2011 is amended as below:

"The maximum permissible speed on curves shall be decided on the basis of existing provision of the Indian Railway Permanent Way Manual, second reprint 2004."

2. However, it is observed from RDSO report no. MT-1053/F that trial on 2° curve has not been done on requisite speed of 115kmph with full cant value of 140mm and cant deficiency of 75mm in case of Other than C&M-I Vol-I standard track. Therefore para 2.1.3 of final speed certificate for operation of BG High Capacity AC EOG Double Decker Chair Car coaches (width 3050mm) and two LHB power cars fitted with pneumatic suspension at the secondary stage on Fiat bogies on other than C&M-1, Vol-I track issued vide letter no. MC/CB/AC/DD dated 15-11-2011 and para 2.1.2 of amendment no.1 dated 11.07.2013 holds good as nothing is mentioned about value of cant deficiency taken in the report MT-1053/F.

A copy of speed certificate may please be sent to this Directorate, when issued.

संलग्नक : कुछ नहीं ।

निदेशक/कैरीज

प्रतिलिपि- निदेशक/बीएण्डएस/एसबी(टी&आइ)

निदेशक मानक/रेलपथ-2

(राजीव कुमार)

28/3/14
01-04-14

O. K. Singh