



No. SV.AS.HC

Dated : 09.10.2012

महाप्रबन्धक (इंजीनियरिंग)

1. मध्य रेलवे, छत्रपति शिवाजी टर्मिनस, मुम्बई- 400 001.
2. पूर्व रेलवे, फेयरली प्लेस, कोलकाता - 700 001.
3. उत्तर रेलवे, बड़ौदा हाउस, नई दिल्ली - 110 001.
4. दक्षिण रेलवे, पार्क टाउन, चेन्नई - 600 003.
5. दक्षिण मध्य रेलवे, रेल निलायम, सिकन्दराबाद - 500 071.
6. दक्षिण पूर्व रेलवे, गार्डेन रीच, कोलकाता - 700 043.
7. पूर्वोत्तर रेलवे, गोरखपुर - 273 001.
8. पूर्वोत्तर सीमान्त रेलवे, मालीगॉव, गुवाहाटी - 781 011.
9. पश्चिम रेलवे, चर्चगेट, मुम्बई - 400 020.
10. पूर्व मध्य रेलवे, हाजीपुर - 844 101.
11. पूर्व तटीय रेलवे, बीडीए रेंटल कालोनी, रेलवे काम्पलेक्स, भुवनेश्वर, उड़ीसा - 751 017.
12. उत्तर मध्य रेलवे, हास्टिंग रोड, इलाहाबाद - 211 001.
13. उत्तर पश्चिम रेलवे, जयपुर - 302 006.
14. दक्षिण पश्चिम रेलवे, हुबली - 580 023.
15. पश्चिम मध्य रेलवे, जबलपुर - 482 001.
16. दक्षिण पूर्व मध्य रेलवे, आर ई आफिस काम्पलेक्स, बिलासपुर - 495 004.

Sub:- Amendment No.1 to final Speed Certificate for operation of HHP-DMU fitted with High Capacity (180kN) pneumatic suspension at secondary stage on track maintained to standards other than those laid down in C&M-I (Vol. I).

**Ref:- (i) This office Speed certificate of even no. dated 14.11.2007
(ii)Western Railway's Letter no.M 110/19/6/13 dated 14.09.2012**

Western Railway vide their letter referred at (ii) above, has requested to issue an amendment in the final speed certificate for operation of HHP DMU(1400 HP) fitted with High capacity (180 kN) pneumatic suspension at secondary stage, duly indicating the speed on 90R rails on sleepers to M+4 density. The proposal has been examined in detail and it has been decided to amend the para 3.1. under heading "Track" of the said speed certificate. Accordingly para 3.1 has been modified and renumbered and shall be read as under:-

"3.1 Track

3.1.1 (i) For Speed upto 30 kmph

The track shall be to a minimum standard of 90R rail (SWP/FP) on sleeper with M+4 densities and minimum depth of ballast cushion below sleeper of 200 mm, which may consist of at least 75 mm clean and the rest in caked up condition on compact and stable formation.

(ii) For Speed upto 50 kmph

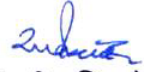
The track shall be to a minimum standard of 90R rail (SWP/FP) on sleeper with M+7 densities and minimum depth of ballast cushion below sleeper of 200 mm, which may consist of at least 75 mm clean and the rest in caked up condition on compact and stable formation.

(iii) For Speed upto 105 kmph

The track shall be to a minimum standard of 52kg rail on sleeper with M+7 densities and minimum depth of ballast cushion below sleeper of 250 mm, which may consist of at least 100 mm clean and the rest in caked up condition on compact and stable formation.

- 3.1.2 For track maintained to lower standard than that mentioned above, the Chief Engineer shall decide the lower maximum permissible speed on the basis of maintenance condition. In this connection, Railway Board's letter No. 65/WDO/SR/26 dated 19/20-10-1966 may be seen. When the Chief Engineer considers that the road bed is not compacted or there is improper drainage, he may suitably restrict the maximum permissible speed depending upon the local conditions.
- 3.1.3 The maximum permissible speed on curves to be decided on the basis of existing provision of the Indian Railway Permanent Way Manual Reprint 2004 but should not be more than 90 kmph.
- 3.1.4 Joggled fish plating of welds shall be done as per provisions of para 6.4 and para 6.6 of chapter-6 of USFD Manual and para 6.3 of AT welding manual and policy instructions of Railway Board. Fish plating of rail should also be ensured as per para 251 of IRPWM-2004 regarding maintenance of rail joints.
- 3.1.5 Railway may ensure further detailed examination of track as deemed fit based on age cum condition basis, overdue renewal and condition of formation etc. as per provisions of Chapter-III of IRPWM-2004 regarding permanent way renewals."

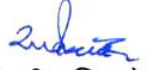
संलग्नक: कुछ नहीं


(राजीव विश्णोई)
वरिष्ठ कार्यकारी निदेशक
मानक/चालन शक्ति

प्रति:-

- I. सचिव (यांत्रिक /इंजीनियरिंग), रेलवे बोर्ड, रेल भवन, नयी दिल्ली – 110 001
- II. मुख्य रेल संरक्षा आयुक्त, मण्डल रेल प्रबन्धक कार्यालय परिसर, पूर्वोत्तर रेलवे, अशोक मार्ग, लखनऊ – 226001
- III. महाप्रबन्धक (यांत्रिक /संचालन /संकेत & दूर संचार /विद्युत),
 1. मध्य रेलवे, छत्रपति शिवाजी टर्मिनस, मुम्बई- 400 001.
 2. पूर्व रेलवे, फेयरली प्लेस, कोलकाता – 700 001.
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 6. दक्षिण पूर्व रेलवे, गार्डेन रीच, कोलकाता – 700 043.
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 9. पश्चिम रेलवे, चर्चगेट, मुम्बई – 400 020.
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 14. दक्षिण पश्चिम रेलवे, हुबली – 580 023.
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