GOVERNMENT OF INDIA MINISTRY OF RAILWAYS

(RAILWAY BOARD)

2014/CE-III/BR/BSC/83/Seminar/pt

New Delhi, dt. 04.10.2016.

General Manager (Const.), N.F.Railway, Guwahati. Principal Chief Engineer, All Indian Railways CAO/Const., All Indian Railways. FA & CAO, All Indian Railways.

Director General, RDSO/Alambagh, Lucknow General Manager (Engg)- ICF/Chennai, RCF/Kapurthala, DLW/Varanasi, CLW/Chittranjan, W&AP/Yelahanka, Bangalore & DMW/Patiala Chief Commissioner of Railway Safety, Lucknow.

Chairman Cum Managing Director, Konkan Railway Corporation Ltd, Navi Mumbai. Chairman Cum Managing Director, IRCON, New Delhi.
Chairman Cum Managing Director, RITES, New Delhi.
Managing Director, DMRC, Metro Bhawan, Barakhamba Road, New Delhi Managing Director, CONCOR, New Delhi.
Chairman Cum Managing Director, RVNL, New Delhi.
Managing Director, DFCCIL, New Delhi.
Managing Director, Pipavav rail corporation Itd, New Delhi.
Managing Director, MRVC, Mumbai
Vice Chairman, RLDA, New Delhi

Director, IRICEN, Pune.
Director, IRIEEN, Nasik.
Director, IRISET, Secunderabad.
Director, IRIMEE, Jamalpur.
Director, IRITM, Manak Nagar, Lucknow.
Director General, National Academy of Indian Railways, Vadodara.

Genl. Secy., AIRF, NFIR, IRPOF, FROA, AIRPFA, DAI (Railways) Rail Bhawan, New Delhi.

Sub: Advance Correction Slip No.34 to Indian Railways Bridge Manual.

Ministry of Railways (Railway Board) have decided that correction/addition/modification as indicated in the enclosed Advance Correction Slip No.34 dated 04.10.2016 to relevant para of the IRBM be made.

Receipt of this letter may please be acknowledged.

DA: As above

Director Civil Engg.(B&S), Railway Board

(V.K.Jain)

2014/CE-III/BR/BSC/83/Seminar/pt
Copy to: CRB, ME, ML, MS, MM, MT, FC, Secretary

AM/CE, AM(W), AM(Budget), AM(Elect.), AM(Fin.), AM(Sig.), AM(Plg.), AM(RS), AM(Mech.), AM(PU), AM(Tele.), AM(Traffic), Adv.(Vig.), Adv.(L&A), Adv (Bridges), Adv(Safety)

EDCE(P), ED(Works), ED(PM), EDV(E), EDTK(M), EDTK(MC), EDTK(P), EDCE(G), ED(L&A), ED(L&A-II), ED(L&A-III), EDCE(B&S), EDCE(B&S-II), ED(WP), ED(PSU), EDF(X), EDFX-II & OSD/ME

DTK(MC), DTK(M), Dir(Works) I & II, Dir.(L&A), DVE-I & DVE-II, DCE(P), DTK(P), Dir(WCS), DCE(B&S-II), Dir(WP), DCE(G), Dir (PSU), Dir Infra (PPP)



GOVERNMENT OF INDIA MINISTRY OF RAILWAYS (Railway Board)

INDIAN RAILWAYS BRIDGE MANUAL

EDITION

-1998

ADDENDUM & CORRIGENDUM SLIP NO. 34 Dated 04.10.2016

Following Para may be added

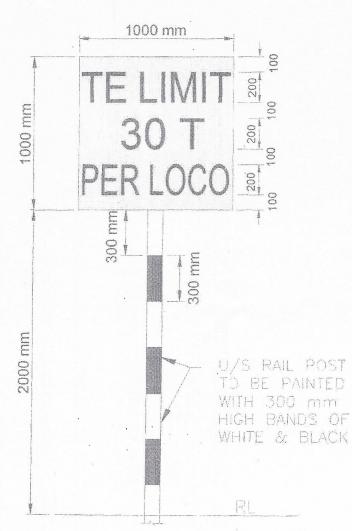
Para 224 TRACTIVE EFFORT LIMITATION-

- For allowing higher powered locomotives on old bridges, the Tractive Effort (TE) may
 have to be limited for multiple loco operation. Such bridges shall be identified by Chief
 Bridge Engineer. A list of such bridges, where Tractive Effort is limited to 30t per Loco in
 Double and Multi-headed operations is to be notified in the working Time Table.
- 2. Locomotive which are thus restricted shall as far as possible be fitted with a "Tractive Effort Limiting Switch" (TELS) which, when operated, shall limit the tractive effort generated by each locomotive to 30T maximum. In Locomotive, where TELS is not provided, Tractive Effort shall be limited to 30T by controlling current (Amperage) of Traction Motor, which is indicated in the current/load meter on the control desk/panel of the locomotive.
- 3. To indicate the location where Tractive Effort Limiting Switch (TELS) is to be operated or where Tractive Effort is to be limited by controlling current of traction motors, caution indicator for TE Limitation, indicator for TE Limit operation and termination indicator for TE Limitation shall be provided as per the details and distances shown in Annexure-2/13 to 2/16. All the indicators shall be of retro-reflective type.
- 4. If locos are not able to haul the train, which gets stuck near or on the bridges where TE is limited and required tractive effort is more than 30t per Loco, the driver should not apply more tractive effort and should ask for assisting engine for clearing the train. This instruction should be incorporated in the Working Time Table so that all operating staff is aware of the instructions.
- Operation of TE Limitation on such bridges as given above is to be made part of Learning of Loco Pilots and Astt. Loco Pilots. This item should be monitored by Loco Inspectors and Safety Counselors during their routine inspection.

a

CAUTION INDICATOR FOR TE LIMITATION

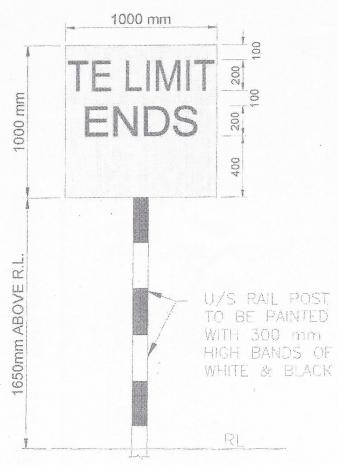
(ALL LETTERS 25 mm THICK) (Retro reflective Type)



TE LIMIT OPERATION INDICATOR

(ALL LETTERS 25 mm THICK) (Retro reflective Type)

अनुबन्ध 2 / 15 Annex 2/15 पैरा 224.3 Para 224.3



TERMINATION INDICATOR FOR TE LIMITATION

(ALL LETTERS 25 mm THICK) (Retro reflective Type)

