**भारत सरकार (GOVERNMENT OF INDIA)**
**रेल मंत्रालय (MINISTRY OF RAILWAYS)**
**रेलवे बोर्ड (RAILWAY BOARD)**

****

No. 2019/CE-II/CS/1 New Delhi, dated 20.12.2019

**The General Managers (Engg.)**- CR, ER, ECR, ECoR, NR, NCR, NER, NFR, NWR, SR, SCR, SER, SECR, SWR, WR, WCR and Metro Railway/Kolkata.
**The General Manager (Const.), N.F. Railway, Guwahati.**
**The General Manager/CORE/Allahabad.**

Principal Financial Advisor, All Indian Railways
The CAO/Const. All Indian Railways.
The General Managers (Engg.) – ICF/Chennai, RCF/Kapurthla, DLW/Varanasi, CLW/Chittranjan, Rail Wheel Factory /Yelahanka, Bangalore & DMW/Patiala.

The Director General (Track), RDSO/Alambagh, Lucknow.
Chief Commissioner of Railway Safety, Lucknow.

Managing Director, IRCON, New Delhi.
Managing Director, RITES, RITES (RITES BHAWAN) NBo.1 Sector-29 Gurgaon-122001.
Managing Director, DMRC, Metro Bhawan, Barakhamba lane, New Delhi.
Managing Director, CONCOR, New Delhi.
Managing Director, RVNL, August Kranti Bhawan, Bhikaji Cama Place, New Delhi.
Managing Director, DFCCIL, Pragati Maidan, Metro Station, New Delhi.
Managing Director, PIPAVAV Railway Corp. Ltd., 14th Floor, B-Wing, Statesman House 148, Barakhamba Road, Canaught Place New Delhi Central Delhi
Managing Director, MRVC, Church Gate station Building 2nd Floor, Mumbai – 400020.
Managing Director, RLDA, IRCON Office Compound, Next to Safdarjang Rly. station, Motibagh-I, New Delhi.
Managing Director, Konkan Railway Corporation Ltd, Belapur Bhawan, Sector-11, CBD Belapur. Mumbai. Pin - 400614.

Director, IRICEN, Pune.
Director, IRIEEN, Nasik.
Director, IRISET, Secunderabad.
Director, IRIMEE, Jamalpur.
Director, IRITM, Vill. Kanausi, Hardoi, Manik Nagar, Lucknow.
Director General, Railway Staff College, Vadodara.
Genl. Secretaries, AIRF, NFIR, IRPOF, FROA, AIRPFA, DAI (Railways) Rail Bhawan, New Delhi.

**Sub: Correction Slip No. 153 to the Indian Railways Permanent Way Manual.**

*****

Ministry of Railways (Railway Board) has decided that correction/addition as indicated in the enclosed Correction Slip No.153 dated 20.12.2019, to relevant para of the IRPWM, be made.

Receipt of this letter may please be acknowledged.

20/12/19

**(Pradeep Nagar)**
**Director Civil Engg.(P)**
**Railway Board**

No. 2019/CE-II/CS/1 New Delhi, dated. 20.12.2019

Copy to :
Sr. PPS/PS to CRB, FC, ME, MRS, MS, MT, M(Tr.), Secretary.
AM(CE), AM(Works), AM(Budget), AM(Elect.), AM(Fin.), AM(Sig.), AM(Plg.), AM(Staff), AM(Mech. Engg.), AM(PU.), AM(Tele.), AM(TT), PED(Bridge), PED(Vigilance), PED(Stn.Dev.Engg.) PED(Safety), DG(RS), AM(C&IS), AM(T&C), AM(Comml.).

EDCE(P), EDTK(M), EDTK(MC), EDTK(P), EDCE(G), EDCE(B&S), ED(L&A)I, ED(Stn. Dev. Engg.) ED(Works), ED(WP), EDV(E), ED(Project Monitoring), ED(Safety), EDF(X)I, EDF(X)II, ED/INFRA/Civil. ED/E(Co-ord),
DTK(MC), DTK(M), DTK(P), DCE(B&S), DCE(B&S)II, Dir(Works)-I, Dir(Works)-II, Dir.Works(Plg.), DVE-I & DVE-II,

Director/C&IS - for uploading on Railway Board website.

******

20/12/19

# INDIAN RAILWAYS PERMANENT WAY MANUAL ADDENDUM AND CORRIGENDUM SLIP NO.153 DATED 20.12.2019

1.0 The existing Annexure 2/6A of Para 237/5 (a) of Indian Railway Permanent Way Manual issued vide A & C slip 132 dated 08.04.2013 shall be replaced with the modified Annexure 2/6A of para 237/5 (a) of Indian Railway Permanent Way Manual (Copy enclosed).

20/12/19

**Modified**
**proforma for Intermediate Inspection**
**(Annexure 2/6(A))**

| | |
|---|---|
| Station: | Point No.: |
| Location: | Rail section: |
| Type of sleeper/assembly: | Angle of crossing: |
| Nominal gauge of turnout: | Left hand or right hand: |
| Laid on straight or on curve of radius: | Similar/contrary flexure: |
| Date of laying sleeper (mm/yyyy): | Type of Crossing: |
| | |
| Detail of deep screening: | |
| Date (mm/yyyy): | |
| Manual/Mechanized | |
| | |
| Date of laying new/reconditioned crossing (mm/yyyy): | |
| Crossing unique number: | |
| Manufacturer: | |
| Date of laying new/reconditioned switch (mm/yyyy):LH/RH | |
| | |
| **I. General -** | |
| 1. Condition of ballast packing and drainage in turnout. | |
| **II Switch assembly-** | |
| 2. Condition of sleepers, slide chairs, plate screws, heel & distance blocks, other fittings of switch including tightness of bolts etc: | |
| 3. Condition of tongue rails: LH/RH | |
| a) Whether chipped or cracked over 200mm length within 1000 mm from ATS. | |
| b) Whether twisted or bent (causing gap of 5 mm or more at toe) | |
| c) Remarks over condition of tongue rail, whether it requires reconditioning or replacement. | |
| 4. Packing conditions under the switch assembly (preferably to be observed under traffic) | |
| 5. Housing of stock and tongue rails | |
| 6. Working of SSD (if provided) | |
| 7. Gauge and cross level in switch and lead: G/XL | |
| a) At 450mm ahead of toe of switch: | |
| b) At ATS between two stock rails: | |
| c) Gauge and cross level for Main line & Turnout side: | |

| | M/L | | T/O | |
|---|---|---|---|---|
| Station | G | XL | G | XL |
| ATS/Heel-0 | | | | |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |

Note:
1. Stn. No. 0 to be marked at heel of switch for straight switch & at ATS for curved switches. Subsequent stations shall be marked at every 3m.
2. In case of gap between T/R and S/R, that should be added to gauge measurement.

| 8. Throw of Switch | LH | RH |
|---|---|---|
| **III. Crossing Assembly-** | | |
| 9. Condition of crossing | | |
| a) Sign of propagation of crack (if any) in crossing assembly: | | |
| b) In case of Heat-treated welded crossing, Weld texture on top surface, if any flow or separation of weld portion: | | |
| c) Tightness of bolts at CI/ Distance block at toe, heel and nose of crossing as applicable. | | |
| 10. Wear of crossing (to be measured with straight edge at 100mm from ANC)<br>LH Wing Rail<br>Nose<br>RH Wing Rail<br>For CMS crossing,<br>Actual wear for 52 kg section =Measured wear-2.0mm,<br>Actual wear for 60 kg section =Measured wear-2.5mm | | |
| 11. Gauge and cross level at crossing | | |
| 12. Condition of check rail fitting e.g. bearing-plates, keys, blocks, bolts and elastic fastenings. (i.e. ERC, Liner, Rubber pad) | | |
| 13. Clearance of check rails: | | |
| a) Opposite ANC: | | |
| b) At Ist block towards toe of crossing and Ist block towards heel of crossing | | |
| c) At the flared end towards heel and at the flared end towards toe | | |
| 14. Clearance of wing rail (only for built up crossing) | | |
| **IV. General-** | | |
| 15. Any other special feature/defects. | | |
| 16. Signature of the inspecting official with date | | |

| | M/L | | T/O | |
|---|---|---|---|---|
| | G | XL | G | XL |
| a) 1 m ahead of ANC | | | | |
| b) 150 mm behind ANC | | | | |
| c) 1 m behind ANC | | | | |

*****

7/12/19