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10/10/12

DG	
ADG	
Sr. Officer	
DATE	5/7

Recd in the office of
 Secretary to Govt.
 of India
 (Ministry of Railways)
 New Delhi

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

No. 2000/Track-III/TK/18

New Delhi 25.09.2012

The General Managers,
 The Principal Chief Engineer,
 The Chief Engineer (Coordn),
 The Chief Administrative Officer (Const),
 All Indian Railways.

The General Manager (Const.),
 NFR, Maligaon Guwahati.

The General Managers,
 CLW, Chittarnjan, West Bengal.
 DLW, Varanasi.
 ICF, Perambur, Chennai.
 RCF, Kapurthala (Punjab).
 RE, Allahabad.
 Wheel & Axle Plant, Banaglore.
 Diesel Component Works, Patiala.
 COFMOW, Tilak Bridge, New Delhi.

The Chief Project Officer,
 Metro Railway, New Delhi.

The CAO (Const), Metro Railway,
 Mumbai & Chennai.

The Principal IRTMTC, ALD
 The Principal RSC, Vadodara.

The General Manager,
 Metro Railway, Kolkata.

The Director, IRMEE, Jamalpur.
 The Director, IRIEEN, Nasik.
 The Director, IRISET, Secunderabad.
 The Director, IRICEN, Pune.
 The Director, IRITM, Lucknow.

The Managing Directors,
 KRCL, Rail Bhawan, New Delhi.
 IRCON, Palika Bhawan, New Delhi.
 RITES, New Delhi. RITES, New Delhi.
 CONCOR, New Delhi.
 DMRC, New Delhi.
 RVNI., New Delhi.

The Commissioner of Rly. Safety, Lucknow.
 The Director General (TMM), RDSO, Lucknow.

The General Secretary,
 AIRF, Rail Bhawan, New Delhi.
 NFIR, Rail Bhawan, New Delhi.
 IRPOF, Rail Bhawan, New Delhi.
 FROA Rail Bhawan, New Delhi.
 AIRPFA, Rail Bhawan, New Delhi.

Sub: Indian Railway Track Machine Manual-March, 2000.

Reg: Correction Slip No. 13

Ministry of Railways (Railway Board) has decided that Correction as indicated in the enclosed Correction Slip No. 13 to IRTMM may be made.

Receipt of this letter may be acknowledged.

DA: as above.

कायं. निदे. रूप
 निदे. रे.प.ब.-1
 निदे. रे.प.ब.-2
 निदे. रे.प.ब.-3
 निदे. रे.प.ब.-4

3
 16/10/2012
 Ampt
 to upload
 all instructions
 along with
 also on
 RDSO web sites
 A P

10/10/2012

2/24
 25-09-12
 (S.M.Pandey)
 Director Track (MC)
 Railway Board.

DRAFT CORRECTION SLIP TO IRTMM-2000
CORRECTION SLIP NO.13

A new para 6.2.1 shall be added after para 6.2 in Chapter 6 of IRTMM-2000 as per following details:

6.2.1 Inspection of Wheel and Axle of On-Track Machines:

Track Machine wheels are solid wheels and follows the wheel profile as per RDSO drawing no. SKETCH-91146. Visual inspection, Physical inspection and Ultrasonic inspection of the wheels and axles of on-track machines are required to be done during initial procurement as well as during service.

6.2.1(a) Visual & Physical Inspection

Visual and Physical inspection of wheels of on-track machines shall be done during service as per "[Procedure for Visual & Physical Inspection of Wheels of On-Track Machines](#)" issued by Track Machine and Monitoring Directorate of Research Designs and Standards Organization (RDSO). Inspection shall be done at a frequency of once in a year or once after every 1000 engine running hours whichever is earlier.

6.2.1(b) ULTRASONIC TESTING OF WHEEL AND AXLE OF ON-TRACK MACHINES

- (i) Ultrasonic Flaw Detection(USFD) testing of Axles and Wheels of On-Track Machines shall be done as per "[Code of procedures for Ultrasonic testing of Axles and Wheels of Large Track Machines](#)" issued for different on-track machines by Research Designs and Standards Organization (RDSO).
- (ii) The Wheels shall be tested ultrasonically at the time of initial procurement only. The ultrasonic testing of new wheels shall be done according to the RDSO report no. IRS R-34-2003.
- (iii) The Frequency of ultrasonic examination of Axles of On-Track Machines shall be between 40,000 to 45,000 kms of running or three years, whichever is earlier.
- (iv) Testing shall be done by supervisors possessing Regular/Refresher course certificate from RDSO.
- (v) For the conduction of ultrasonic testing of Axles and Wheels, minimum qualification of supervisors shall be-
 - (a) Graduate in Science with Physics from a University or Institution recognized by Central/State Govt./UGC/or International Institute/University.

(b) 3years regular Diploma in Mechanical/Civil/Electronics/Electrical Metallurgical/Chemical Engg. From a University or Institution recognized by Central /State Govt./Technical education board or International Institute/University.

OR

(c) M.Sc in Chemistry, provided that physics was one of the subject at ISC/Intermediate/10+2 level.

OR

(d) B.E/B.Tech in Mechanical/Civil/Electronics/ Electrical/Metallurgical/chemical/I.T/Computer Science or Engg. From a University or Institution recognized by Central/State Govt./Technical education board or International Institute/University.

(i) The validity of regular course certificate shall be 3 years and Refresher course certificate shall be 5 years.

(ii) Metallurgical & Chemical Directorate of Research Designs and Standards Organization regularly conducts training of supervisors for ultrasonic examination of Wheels and Axles. Railways shall nominate their proper staff for required training.