भारत सरकार (GOVERNMENT OF INDIA)

रेल मंत्रालय (MINISTRY OF RAILWAYS)

रेलवे बोर्ड (RAILWAY BOARD)

No.2018/CE-II/TS/25T New Delhi, dt. 14.03.2018

Principal Chief Engineers,
All Zonal Railways.

Sub: Track Structure for Operation of 25T Axle Load Trains.
Ref: 1. Item No. 1298 of 86th Track Standard Committee.
2. RDSO letter No. CT DG/LW/HAW dated 21.02.2018.

Based on recommendations of Track Standard Committee and RDSO's report submitted vide letter under reference (2), Board has reviewed the track structure for operation of 25T Axle Load Trains.

The revised Track structure approved by Board for running of 25T Axle Load Trains on IR is enclosed.

Encl: As above.

14/03/2018
(Pankaj Tyagi)
Director Civil Engg.(P)
Railway Board

Copy to: (i) DG/RDSO -- for information please
(ii) Director/IRICEN – for information please

Annexure

Track structure for 25t axle loads (speed upto 100 kmph)

SN	Track Component	Specification
1	Rail	60 Kg or higher section with 110 UTS
2	Sleeper	- 25t PSC sleeper of DFC to Drg No. RDSO/T- 7008 or Wider PSC Sleeper to Drg No. RDSO/T-8527 - Existing PSC sleepers to Drg No. RT – 2496 can continue as an interim measure, till renewal, for speed up to 60 kmph
3	Rubber pad	- 10mm CGRSP to RDSO/T-7010 - 6.2mm CGRSP to RDSO/T-6618 up to 60 kmph
4	GFN liner	- RDSO/T-6938 & 6939 - RDSO/T-3706 up to 60 kmph
5	Metal liner	- RDSO/T-8616 & 8617 - RDSO/T-3740 up to 60 kmph
6	Fastening	- ERC Mk-V to RDSO/T-5919 - ERC Mk-III to RDSO/T-3701 up to 60 kmph
7	Point & Crossing	Thick-web curved switches & Weldable CMS Crossings with 60 Kg 110 UTS rails till new design of Canted turnouts & Weldable CMS Crossings with 60 Kg 110 UTS rails is approved by IR for regular adoption Thick-web curved switches & normal CMS crossings with gapless joints with 60 kg 110 UTS rails can be used on existing 25 t routes as an interim measure till renewal.
8	SEJ	Improved type SEJ with 110 UTS
9	Ballast	Total 350 mm ballast cushion below sleeper of hard stone machine crushed ballast out of which at least 200 mm shall be clean cushion. For existing track having total 300 mm ballast cushion with 150 mm clean cushion, operation of 25 T axle load may be permitted at speed upto 60 kmph.
10	Subgrade and formation	New Formation - 1. Formation should conform to the specifications for 25T Axle Load in Guidelines GE: G-14 (Nov. 2009) and its amendment from time to time. 2. Formation width should be 7.85 m for BG Single line & 13.16m for Double Line. Existing formation - Speed potential to be decided based on type of subgrade.

14/3/18