

GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)

Dea:	A/C
	copy to me
	EM

No.2007/CE-II/TS/6 Pt.-1

New Delhi-110001, dt:28/01/2008

Principal Chief Engineers/ CE(Co)'s,  
CAO's  
All 16 Zonal Railways.

**Sub:** Track structure to be provided while executing track renewals, gauge conversion, new lines and doubling works

**Ref-** (i) Track Policy circular 1 of 2006  
(ii) Track Policy Circular 1 of 2007

1.0 In supersession of instructions issued vide Track Policy Circular no 1 of 2006 and 1 of 2007 (along with addendum to them), the instructions as it pertains to track structure, following instructions need to be followed.

2.0 Track structure to be provided during renewals, construction of New Lines, Gauge conversion and Doublings shall consists of, (except for the specific situations indicated in para 3 to 5 below)

- (i) **Rails-** 60kg 90UTS,
- (ii) **Sleepers-** PSC with 1660 nos per km,
- (iii) **Ballast cushion** – minimum 300mm, (Recommended 350mm)
- (iv) **Points and crossing-** Thick Web switches, CMS crossings on fan-shaped PSC layouts

3.0 In case of Gauge Conversion/New line construction, on lines having annual traffic density less than 5 GMT and not defined as mineral routes, track structure to be provided shall consists of

- (i) **Rails-** 52kg 90UTS
- (ii) **Sleepers-** PSC with 1660 nos per km
- (iii) **Ballast cushion** –250mm
- (iv) **Points and crossing-** Curved Switches/Thick web switches and CMS crossings on fan-shaped layouts

4.0 In case of Gauge Conversion/New line construction on lines which are dead ended branch lines having annual traffic density less than 3 GMT and no goods traffic, track structure to be provided shall consists of

**Rails-** 52kg 90UTS (Secondary rails can also be used, if available with residual life as 10 years)

**Sleepers-** PSC with 1540 nos per km

**Ballast cushion** -250mm

**Points and crossing-** Curved Switches and CMS crossings on fan-shaped layouts

5.0 In case of renewals, if, existing PSC sleepers are 52kg (PSC12) and the same are not due on age cum condition basis, provision of 52kg 90outs rails shall be considered on case to case basis, keeping further, the annual traffic density, type of axle load operation and length in km of such track structure, in view.

  
(H.L.Suthar)  
Director Civil Engineering Planning  
Railway Board.

Copy- For kind information to (i) SrED/Civil/RDSO, (ii)  
Director/IRICEN/Pune