

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

No. 2024/CE-II/TK/Track Tolerance

New Delhi, dated 28.10.2024

**Principal Chief Engineer,
All Zonal Railways**

Sub: Up-gradation of Track Maintenance Standards of Passenger Loop Lines

1. Railway Board vide ACS No. 21, dated 30.07.2024 to IRPWM, June 2020 have prescribed the upgraded track structure for passenger loop lines. Railways are also replacing existing overriding switches with thick web switches gradually, which would likely to have speed potential of 50 kmph in the loop lines. Recently, an umbrella work costing ₹14,500 Cr. has also been sanctioned to carry out the improvement works in yards.
2. All the above measures warrant stipulation of upgraded maintenance standards of passenger loop lines to reap the benefits of investments made. It has therefore been decided by Board to lay down the following track tolerances for the passenger loop lines, to be achieved after carrying out necessary improvement works.

(a) Gauge:

(a) On straight Track	-8 mm to +12 mm
(b) On curves with radius 440 m or more including 1:12 points & crossing turnout curve	-8 mm to +18 mm
(c) On curves with radius less than 440 m	up to +24 mm

(b) Twist: 5 mm/m

- 2.1 The measurements as indicated above are in the floating condition as measurements in the loading condition are not possible in loop lines in absence of TRC run in loop lines.
3. Further, to achieve the above track tolerances, the machine tamping would be necessary in the passenger loop lines. It has therefore been decided that minimum 150 mm clean cushion shall be maintained in the passenger loop lines.
4. Railways are therefore advised to achieve the above track parameters in passenger loop lines in next 12 months after carrying out required improvement works. The improvement works are to be done in a planned manner taking long

stretches of track routes, so as to harvest the benefits of work done at the earliest. However, till improvement works are carried out, in no case track maintenance parameters be allowed to deteriorate beyond the limits prescribed in Para 526 of IRPWM for specific speeds.

5. The issue of stipulating upgraded track structure for other running lines is under consideration in Board's office and same shall also be stipulated shortly.

This is issued with the approval of competent authority (MI).

Director, Civil Engg. (Plg)
Railway Board