

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

RAJYA SABHA
UNSTARRED QUESTION NO. 3942
ANSWERED ON 04.04.2025

TRACK RENEWAL PROJECTS

3942 # SMT. MAYA NAROLIYA:
SMT. SUNETRA AJIT PAWAR:
DR. ANIL SUKHDEORAO BONDE:
SHRI BABURAM NISHAD:
SHRI RAJIB BHATTACHARJEE:
SHRI NARAYANA KORAGAPPA:
SHRI NARHARI AMIN:

Will the Minister of RAILWAYS be pleased to state:

- (a) the current backlog of track renewal projects and the plan to address it;
- (b) the length of tracks in kilometers that has been renewed in the last five years till February 2025, State-wise, especially in the State of Maharashtra;
- (c) the amount allocated by the Ministry for this during the same period;
- (d) the length of railway tracks (in kilometers) renewal done so far to sustain the speeds of 130 km per hour;
- (e) the amount allocated by the Ministry for dedicated freight corridors up to February 2025; and
- (f) the deadline set for operationalisation of dedicated freight corridors?

ANSWER

MINISTER OF RAILWAYS, INFORMATION & BROADCASTING AND
ELECTRONICS & INFORMATION TECHNOLOGY

(SHRI ASHWINI VAISHNAW)

(a) to (d) Upgradation and renewal of tracks is a continuous and ongoing process. The track renewal is carried out as per the laid down criteria based on age, traffic carried, condition etc.

Track Renewal Works are planned and executed duly prioritizing the condition of track and various other factors so as to ensure that track is safe for running of trains at permitted speed.

During 2024-25 (up to Feb'25), about 6,300 km track renewals have been completed. As on 01.03.2025, about 10,000 km tracks are sanctioned for renewal.

The details of Track renewal carried out during 2014-25 (up to Feb'25) are as under:

Track renewed	~ 47,000 Km
Expenditure	Rs.1,31,280 Cr.

The above Track renewal includes railway tracks situated in Maharashtra.

For improving safety and increasing the speed of tracks, various upgradation measures taken are as under:

- (i) Using modern track components consisting of 60kg, 90 Ultimate Tensile Strength (UTS) rails, Pre-stressed Concrete Sleeper (PSC) Normal/Wide base sleepers with modern elastic fastenings.
- (ii) Laying of fan-shaped turnout on PSC sleepers with Thick Web Switches and Weldable CMS Crossings.
- (iii) Providing Steel Channel/H-beam Sleepers on girder bridges while carrying out primary track renewals.
- (iv) Using 130m/260m long rail panels for rail renewals to minimize weld- joints.
- (v) Field-welding by mobile Flash Butt Welding Plant and advanced USFD Testing technique of Rail/ Welds by Phased array technology.
- (vi) Mechanization in Track renewal/ replacement using Track Relaying Trains, Points & Crossing Changing machines, Track laying Equipment etc.
- (vii) Deployment of Integrated Track Monitoring Systems (ITMS) and Oscillation Monitoring System (OMS) for comprehensive health assessment to project optimal maintenance requirements.
- (viii) Induction of advance modern machines for track maintenance i.e., high output tampers, high output Ballast Cleaning Machines and Rail Grinding machines etc.
- (ix) Adopting Self-propelled Ultrasonic Rail Testing Car (SPURT) and Rail Cum Road Vehicle (RCRV) based USFD system for testing of rails/welds.
- (x) Using web enabled Track Management System (TMS) for integration and data analytics of the track inspection records received through various sources to enable precise maintenance inputs.

As a consequence of above measures, the details of railway tracks having speed potential of 110 kmph and 130 kmph are as under:

Speed potential of 110 kmph and above	
2014	~ 31,000 km
2025 (till now)	~ 80,000 km (more than 2.5 times)

Speed potential of 130 kmph	
2014	~ 5,000 km
2025 (till now)	~ 23,000 km (more than 4.6 times)

(e) & (f) The construction of Dedicated Freight Corridor is under taken by DFCCIL, an SPV of Ministry of Railways. Two Dedicated Freight Corridors (DFC) viz. Eastern Dedicated Freight Corridor (EDFC) from Ludhiana to Son Nagar (1337 km) and the Western Dedicated Freight Corridor (WDFC) from Jawaharlal Nehru Port Terminal (JNPT) to Dadri (1506 km) planned for construction. Out of total 2843 km, 2741 Route Kilometers (96.4%) has been commissioned and is operational. The work in balance section has been taken up.

Up to Feb'25, an expenditure of ₹99,034 Cr has been incurred in DFC projects.
