

Document Title: Permanent Way Bi-Weekly Track Inspection Report – Aluva to Palarivattom Section

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This report summarizes the bi-weekly inspection of the 11.2 km track section between Aluva and Palarivattom stations. The inspection was conducted using Track Recording Trolley No. TR-05 and included manual verification of identified hotspots.

Observations:

1. **Rails & Fastenings:** Ultrasonic testing revealed no internal cracks. Minor surface corrugation observed at Chainage 7.8 km near Edapally curve. Grinding scheduled for 25 September. Elastic fastenings intact; 3 missing clips replaced immediately.
2. **Sleepers & Ballast:** Pre-stressed concrete sleepers show no cracks; ballast profile adequate except localized fouling near 6.5 km stretch. Cleaning and replenishment required.
3. **Switches & Crossings:** Turnout at Palarivattom shows slight gauge widening of 3 mm, within tolerances but marked for close monitoring.
4. **Drainage & Vegetation:** Side drains clear except partial blockage near Chainage 9.1 km. Vegetation trimmed along ROW.

Corrective Actions:

- Scheduled rail grinding on Edapally curve.
- Ballast replenishment requisition raised for 200 cubic meters.
- Drainage cleaning work order assigned to Civil Maintenance team.

Remarks:

Track geometry remains within safe operating limits. Report uploaded to SharePoint (Track/2025/Sept). Action items tracked via Maximo (Work Order IDs 6731–6733).