

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

2010  
No.210/Sig/IRISET/Trg/Pt-1

New Delhi, dated 28.06.2024

General Manager,  
All Indian Railways.

Director General,  
IRISET, Secunderabad.

**Sub: Training in connection Automatic Signalling**

A number of Automatic Signalling works are getting commissioned over various zonal Railways, with some railways commissioning the same for the first time. Directives on train detection system in Automatic Signalling section have been issued vide Bd's letter no.2020/Sig/G/2/RDSO dtd.23.04.2024. In view of this zonal railways need to ensure that proper training on various aspects of Automatic Signaling covering relevant rules and maintenance is being imparted to the staff.

Zonal Railways may also ensure that pre commissioning & maintenance checklists are being followed by installation and maintenance teams. Zonal Training Centers may also ensure that Training Modules on ABS cover various theoretical and practical aspects including but not limited to the items as detailed below:

1. Semi-Automatic signal in Automatic/Manual mode in EI/PI/RR1 working.
2. Modified Automatic Signaling where provided.
3. Approach Locking, Back locking and Approach Warning at Level Crossings & Station.
4. Automatic working on Single Line / 3rd line sections (duly considering latest GR9.06(1) amendment)
5. Single DAC/Dual DAC Resetting procedure including Auto Resetting working in Preparatory Reset and Manual Resetting in case of dual detection failure.
6. Lightening & Surge Protection system and Earthing requirements.
7. Exception report to monitor mismatch in dual DAC on daily basis
8. Precaution before & during maintenance of DAC / Dual DAC/ Signals /LC Gates in Block section (Disconnection and reconnection)
9. Aspect control sequence functioning wrt approved Signalling Plan.
10. 'A' Marker, 'AG' marker, 'G' Marker working in GR3.17 →SR provisions.
11. Train operations in case of failure of Semi –Automatic Signal working in manual mode
12. Train operations in case of failure of Semi –Automatic Signal working in auto mode
13. Train operations in case of failure of Automatic Signal with no LC Gate

14. Train operations in case of failure of Automatic Signal controlling LC Gate
15. Train Operation during prolonged failure and wrong direction movement.
16. Red Lamp Protection
17. Cascading/Cutting in arrangement
18. Supervisory Track section working
19. Duty and responsibility of "LOOK OUT PERSON "during Failure & Maintenance in Block Section
20. Duties of Signalling staff (Maintainer, JE/SSE)
21. Duties of Loco Pilot//ALP
22. Duties of Panel ASM

The training should be followed with assessment of practical and theoretical aspects.

Further it shall be ensured that periodic counseling of signalling staff (Maintainers and Sectional JE/SSEs) working in the field, are organized every two months for 1<sup>st</sup> one year from introduction of Automatic signaling. Also the trainers in the divisions should be trained at Zonal Training center/IRISET on various aspect of Automatic Signalling.

Zonal railways may ensure the above expeditiously with the feedback to Railway Board. Progress of the above will be reviewed after 15 days.

This is for your kind information & n/action pl.

  
28.06.2024  
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PCSTEs of All Indian Railways**