

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

No. 2023/TT-1/27/8 (efile 3440611)

New Delhi, dated 09.10.2024

General Manager,
All Indian Railways.


Sub: Signal Spacing in Automatic Block Signalling territory
Ref: Board's order No.ERB-I/2024/23/37 dated 28.06.2024.

A committee vide Board's letter under reference was constituted by Ministry of Railways to review the spacing of signals in Automatic Block Signalling.

2. Based on the recommendations of the committee, Board has approved the following guidelines for spacing of signals in Automatic Block Signalling territory:

- I. For ABS Signalling territory, signal spacing shall be as defined in IRSEM para 7.1.14(h), 20.1.1 (e) and they shall be normally located with a spacing of one km from each other subject to other criteria and headway required.
- II. Locations of signals may be planned by zonal railways based on site requirement like gradient etc. after joint survey by Signal Sighting Committee.
- III. There shall not be wide variation in spacing of Signals in contiguous sections to avoid confusion to loco pilot.
- IV. The spacing of ABS Signals for lines on Dedicated Freight Corridors or lines exclusively used for freight traffic may normally be kept at 2 kms as per existing practice of WDFC and EDFC.
- V. All efforts to be made to segregate passenger and freight traffic in sections with 3rd /4th lines to get maximum benefit from ABS.
- VI. Elimination of LC gates shall be expedited to enable uniform spacing of Signals in ABS territory.

This issues with approval of Board (MOBD, MI, MTRS and CRB & CEO).


(Shyam Verma)

Executive Director (Signal dev.)


(Pradeep Kr. Ojha)
Executive Director (TT/Freight)

Copy to: For kind info pl

- 1) PSOs/Sr. PPSs/PPSs/PSs to CRB & CEO, MI, MTRS, MOB&D, DG/Safety, Railway Board.
- 2) Sr.PPS/PPS to Secretary, Railway Board, Sr.PPSs/PPSs/PSs to AM(CE), AM(M & BD), AM(Traction), AM(ME), AM(Plg), AM(Signal), AM(T&C), AM(Traffic), AM(Works), AM(Telecom), AM(RE), AM(PU), AM(RS)
- 3) Sr.PPSs/PPSs/PSs to PED/CE(P), PED/Infra, PED/EERS, PED/Safety, PED/GS, PED/EE(Dev.), PED/TTM, PED/Tk/(M&MC), PED(Chg.), PED/SM, PED/S&T(Dev.)
- 4) PCSTEs & PCOMs, Indian Railways