

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

No. 2017/M(C)/138/2

(E-Office 3325465)
New Delhi, Dated 24.01.2025

General Managers
All Zonal Railways

Sub: Drive for checking FSDS/FDSS systems in coaches
Ref: Railway Board's letter no. 2023/M(C)/141/6 dated 07.01.2025

Vide letter under reference, all zonal Railways were advised to launch a drive to examine complete functioning of FSDS/FDSS system meticulously during secondary pit examination.

Drive Report received from various zonal Railways has been analyzed. The consolidated position is annexed as **Annexure I (details available in Google sheet)**. It can be seen that:

- i. 293 cases of defect/error in panel noticed. Majority is in **NFR, NR, CR, WR & SCR rakes**.
- ii. 178 cases of improper power supply in panel were found. Majority in **NFR, SCR, SER, ECoR, ER & WR rakes**.
- iii. 1280 cases of APD not provided & 432 cases of brake valve isolated.
- iv. 109 cases of power/pantry car FDSS solenoid valve not sealed. Majority in **ER, NFR & SER**.

In this regards, it is stated that various instructions have been issued to Zonal Railways for proper functioning FSDS/FDSS system, Some of them are as follows:

- i. As per maintenance manual, ZRs must ensure visual inspection & verify that **all control panel indicators and alarms are functional**, checking of water level & ensure that gas cylinder valves are open, **check sealing of solenoid valve** and its intactness and same shall be acknowledged during every primary maintenance.
- ii. **100% Retro fitment of locking arrangement (APD) of isolating cock** of aspiration type smoke/ Fire detection with alarm system in LHB AC Coaches to prevent the tampering of isolating cock must be ensured. Same to be checked during every primary maintenance.
- iii. **FSDS data log must be downloaded in every monthly schedule.**
- iv. Various modifications were also advised to ZRs like sealing of solenoid valve, fitting of 2A MCB for FSDS, modification related to segregation of +/- supply, standardization of power supply for SBC, standardization of location of fitment of FSDS system etc. Same must be ensured in all eligible coaches.

In context of above drive findings, instructions and modification issued, Zonal Railways are advised to ensure 100% implementation of all modifications and submit the corrective action taken for abnormalities observed during drive to this office by 31.01.25.

कार्यकारी निदेशक / यांत्रिक इंजी. कोचिंग
रेलवे बोर्ड


(रवि जैन)

Copy to- PCMEs/All Zonal Railways- For kind information and necessary action please.

Annexure – I

Owning Railway	No. of Coaches found with abnormalities	Coaches in which Brake Valve found Isolated	Coaches in which APD not provided on Brake Isolation Valve	Coaches in which No proper power supply on panel found	Coaches in which Defect/Error on panel found	No. of Power/Pantry Car in which FDSS solenoid valve found not sealed
CR	70	11	54	4	33	2
ECOR	88	18	58	13	14	8
ECR	100	82	74	11	19	5
ER	160	32	98	13	11	22
NCR	29	5	24	5	10	1
NER	82	8	69	1	2	1
NFR	268	75	192	44	56	18
NR	192	31	109	9	39	10
NWR	133	15	102	9	14	5
SCR	84	32	55	27	24	2
SECR	40	25	36	9	7	1
SER	220	59	167	17	15	15
SR	38	9	17	1	14	3
SWR	130	15	103	2	9	7
WCR	1	-	1	-	-	-
WR	156	15	121	13	26	9
TOTAL	1791	432	1280	178	293	109