



East Central Railway

General Manager
(Signal & Telecomm)
ECR, Hajipur
Dated: 29.01.2024

No. ECR/S&T/Corres./Con/Div/2023
& Computer No: 5369

Sr. DSTE/
DHN, DDU, DNR, SEE, SPJ
East Central railway

Signal Policy- 01/2024

Sub: Provision of 1000 Ohm, 10W Resistance across Relay Coil to reduce high Contact resistance failures.

Ref:- Sr. DSTE/SPJ Letter no. N/224/HQ, Dated- 23.01.2024.

With reference to above, SPJ division had identified circuits at PI Stations with High contact resistance failures in Metal to Carbon Relays. 1000 Ohms, 10W resistance across relay Coil of identified circuits was provided on trial basis to overcome such failures. SPJ division has provided this arrangement at 11 Stations covering HR, UHR, DR circuits. The results have been encouraging. The scheme has been examined in the HQ office and has been approved.

All divisions are advised to identify the signaling circuits having high impact and provide 1000 Ohms, 10W resistance across the relay Coil. Divisions should ensure placement of resistance such that the heat dissipation is proper and should also ensure that IPS redundancy of N+1 is maintained as this provision will increase the current drawn by the interlocking system.

D.K. Chand
29/01/2024
(D.K. Chand)
Dy. CSTE/Sig
For GM(S&T)/HJP
E.C. Railway

Copy to:

- i) CSTE/Works/HJP
- ii) CSTE/Con./South & North/MHX
- iii) Principal, STTC/DNR