

## पूर्व मध्य रेल

Office of the  
General Manager/S&T  
Hajipur

No. ECR/S&T/MISC (Computer No. 279039)

Date: 23/10/2024.

Sr.DSTEs  
DHN/DDU/DNR/SEE & SPJ,  
East Central Railway.

**Sub:- Local OFC communication failure in Auto hut in PRP-TKN section.**

On 18/10/2024, failure of both MSDAC system resulted in failure of auto signalling in PRP-TKN section. The root cause of the failure was traced to communication failure between MSDAC and Auto-EI which occurred because of bad splicing quality of FDMS termination. Further, it was seen that the fiber connectivity map available was not detailed enough and did not show all the FDMS installed.

Divisions are therefore advised the following:-

- (1) OFC plant being used in signalling system needs to be thoroughly checked and record maintained at the respective installation.
- (2) All the ports on the FDMS must be checked and end to end loss of each of the fibers should be measured to ensure that the FDMS connectors and the splice losses are within limit. Records for this to be maintained.
- (3) Similarly, the information of each fiber patch cord/termination of each FDMS should be tabulated and recorded.
- (4) Records of fiber map and loss information must be maintained at the installation itself.
- (5) This exercise must be done every year or after any change whichever is earlier.

Please ensure compliance.

राकेश रंजन  
23/10/2024  
(राकेश रंजन)

मुख्य सिगनल इंजीनियर-1

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