

East Central Railway

Office of the
General Manager (S&T)
Hajipur

No. - ECR/S&T/Sig/Policy/200/Pt.IV | 410.

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CSTE/Con/North & South/MHX
Sr.DSTEs/DHN,DNR,MGS,SEE, SPJ
Dy.CSTEs/Works/DHN, DNR, MGS & Project/HJP
East Central Railway

Sub: - Cable laying practices in RCC ducts and DWC pipes.

Ref: - (i) RB's Letter No. 2004/Sig/A/WR/1, Dtd.-20.07.07.

(ii) RDSO Guidelines on Signalling cable laying

Document No. RDSO/SI/G/2010, Version: 1.1, Dtd. 04.02.2014

It is observed that, frequent S&T cable cuttings/damaged cases are occurring due to various reasons which are affecting trains operation & safety. Hence, cable protection is essential.

Vide above referred letters, Railway Board & RDSO have issued instructions for laying of signaling cable in RCC duct/DWC pipe/Split pipes.

In view of above, it is decided that:

1. Station yard having more than 100 routes to be considered as large yards and cable laying between Home to Home Signals in these yards should be done in RCC ducts of suitable size as mentioned in the guidelines issued by RDSO. The duct should be filled with sand after cables are laid to avoid entry of rodents. A hole should be provided in each block to prevent water collecting in the duct. In theft prone areas the cables should be anchored at an interval of 10 meters using cement concrete/cold bitumen blocks of suitable size.
2. Station yard having less than 100 routes, cable laying between Home Signal to Home Signal should be done in DWC pipes of suitable size as mentioned in the guideline issued by RDSO.
3. Tail cables in all yards shall be laid through DWC-HDPE (ISI mark) pipe of suitable size at the depth of 1 meter below the Rail flange (IRSEM Part-II, Para 15.12). The pipe should have non-flammables, anti-rodent properties and its coupling should be with utmost degree of protection to avoid ingress of water and dust in it.

Y.P. Singh
12.3.18
(Y.P. Singh)
PCSTE/ECR

Copy to: (i) DRM's /DHN, DNR, MGS, SEE, SPJ for information please.

(ii) CSTE/Works for necessary action.

(iii) Dy. CSTE/RE/DNR for necessary action

(iv) CGM (S&T)/IRCON/NDLS & GM (S&T)/DFCCIL/Varanashi for n/a.

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