

I/11098/2020

EAST CENTRAL RAILWAY
(S&T Department)

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

Office of the
GM (S&T) HJP
Dt:-06.10.2020

**CSTE/Con/South & North /MHX,
Dy.CSTE/Works/HJP/DHN/DDU/DNR
Sr.DSTE/DNR, MGS, DHN, SEE & SPJ,
East Central Railway.**

Sub: Permissible length of reliable working of Block Instruments/DACs

Ref:- RDSO letter No. STS/E/AC/Digital/Genl. dated 22.05.2009

As per above referred letter, maximum permissible length for BPAC with UFSBI & SSDAC using Block panel with 1.4 mm dia quad cable is 28 Km. On this basis, maximum permissible length for BPAC with UFSBI & SSDAC using Block panel with **0.9 mm dia quad cable is calculated as 15 Km.**

Hence in future cases, 0.9 mm dia Quad Cable should be used only for up to **15 Km only.**

The Power supply voltage of 24 V DC will have to be provided at each equipment, either from same source or different source depending upon the location of these equipments.

This has approval of PCSTE.

(Gautam Gupta)
Dy.CSTE/Signal/HJP
For GM(S&T)/ECR

Copy for kind information to:-

- (1) CSTE/Works
- (2) CSTE/PIg
- (3) CCE