



Technical Circular - 04/24
VERSION CONTROL SHEET

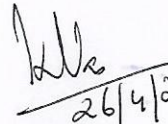
<u>Version No.</u>	<u>Remarks</u>	<u>Date of Issue</u>
1.0	New issue	26.04.2024

Sub.: Technical circular for Standardisation of Power Supply arrangement from CLS/Auto changeover Panel to IPS installation over NCR

At each station in NCR, there is a CLS panel/Auto changeover panel from which signalling supply (220V) has been taken for IPS. In CLS/Auto changeover panel 02 no. MCB has been provided for signalling supply (220V) one of which will be on load & other MCB will be in stand by arrangement. And there will be 02 no. power cable (180 mm²) from (02) MCB's to IPS. Both power cables should be terminated to MCB as well as IPS (changeover board). With a view to standardize the above arrangement, this circular is issued along with related drawings. At all stations power supply arrangement according to this circular must be ensured.

Proper counselling to S&T staff as required to be ensured with implementation of this.

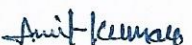

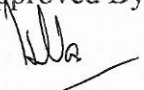
1. There should be 02 no. MCB in CLS/Auto changeover panel for power supply to signalling system one should be on load & other will be in standby.
2. 02 no. power cables (180 mm²) should be laid from CLS/Auto changeover panel to IPS (changeover).
3. 02 no. power cables should be terminated in CLS/Auto changeover panel & in IPS (Changeover board).


26/4/24
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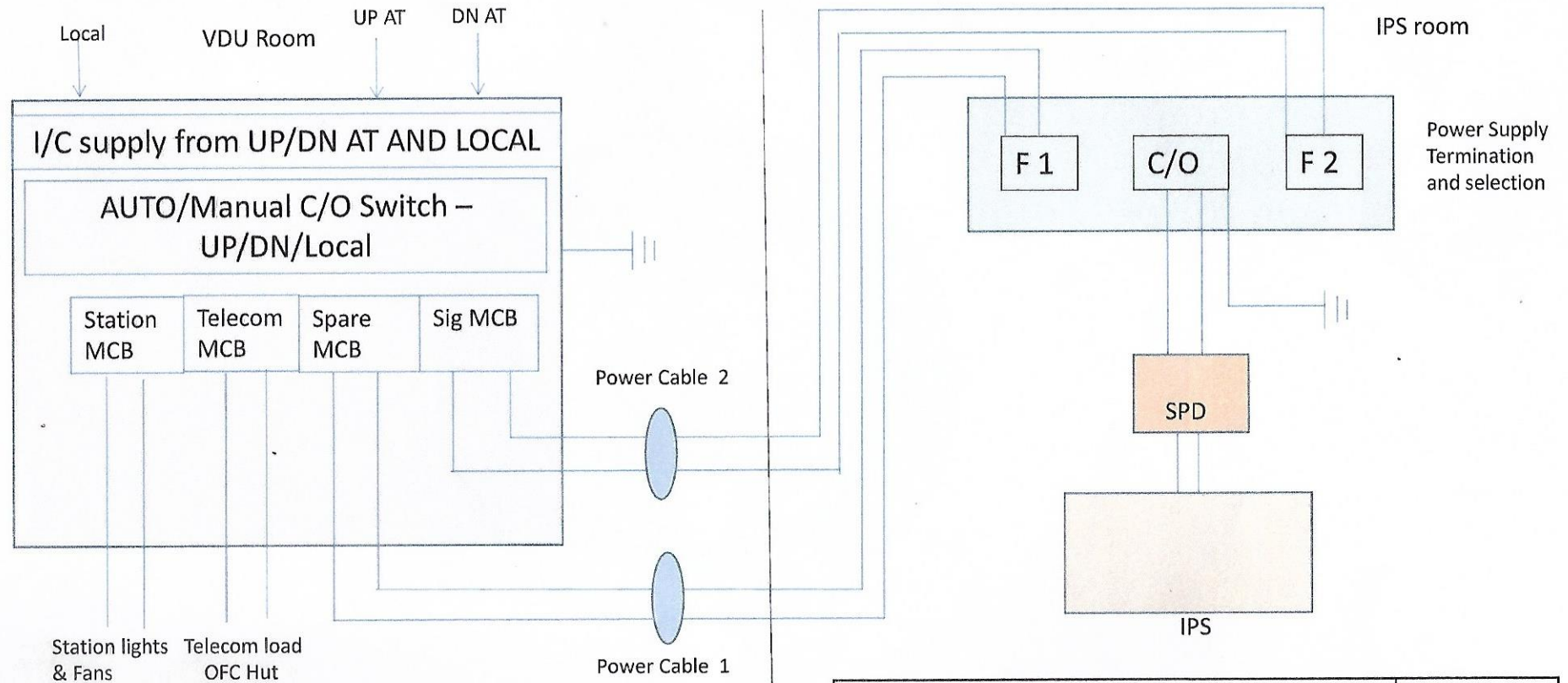
Encl: Drawing no. TYP/2024/013 as above.

NO: NCR/S&T/1078/Signal/Technical Circular /Pt. II

Date: 26.04.2024

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TYPICAL AUTO CHANGEOVER (CLS) Panel layout and wiring arrangement



1. Rating of MCB to be as per rating of AT -5/10/25/50 KVA i.e. 32/63/150/315 Amp respectively.
2. Spare MCB is to be kept connected to IPS room and should not be used for any other supply.
3. Separate Power Cables to be laid to IPS Room with path diversity.
4. Changeover arrangement to be manual. F1 and F2 should be fuse and link (+ and - respectively).

NORTH CENTRAL RAILWAY				DRG NO. –
SIGNAL & TELECOMMUNICATION DEPARTMENT				TYP/2024/013
<i>One</i> SSE/D&D	<i>Pawar</i> ASTE/D&D	<i>26/4/24</i> SSTE/D&D	<i>26/04/24</i> DY. CSTE/D&D	<i>26/4</i> CSE/NCR