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**East Central Railway
Signal & Telecommunication Department**

TECHNICAL CIRCULAR NO. 18

Subject: - Use of Screw less and Solder less terminals for Location boxes, Relay rooms and Control cum indication panel terminations in place of ARA Terminals.

Presently 6 Way/ 8 Way ARA terminals & tag blocks are used for location boxes, relay rooms and control cum indication panel. These occupy more space and suffer from maintenance problems like loosening of nuts, breaking of wires in terminals, dry solder at tag block etc.

RDSO has recommended to use terminal blocks of international standard for signaling installations as per Specification No. - RDSO/SPN/189/2004. These terminals have better insulation properties and occupy less space. Every individual block is modular in design. Assembling individual terminals block one after another on a channel forms terminations strips. Hence replacement of individual terminal block is easy at the time of failure. Disconnection operation is through a pull out knife, which is convenient to operate and soldering of termination inside the location box can be avoided.

Due to inherent advantages, these terminal blocks of solder less and screw less terminals approved by RDSO specification No. RDSO/SPN/189/2004 shall only be used for Location boxes, Relay rooms and Control cum indication panel terminations instead of ARA terminals & tag blocks. This shall be adopted for all future installations.

This issue with the approval of CSTE.


6/3/2009
(Rajesh Kumar)
Dy.CSTE/Signal
for General Manager(S&T)

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