

**Government of India
Ministry of Railways
Research Designs & Standards Organisation
Manak Nagar, Lucknow – 226011**

INSTRUCTION NO.TI/IN/0009 Rev. 0.

INSTRUCTIONS FOR SPLICING OF 19/3.99 mm ALUMINIUM CONDUCTOR (SPIDER).

1. **Objective-** To evolve proper procedure for splicing the aluminium conductor (Spider).

2. **Background:-** On 25 kV ac traction system 19/3.99 mm aluminium conductor (Spider) has been used as cross feeder, along track feeder and return conductor. The spider conductor is not required to be used as cross feeder now but along track feeder still exists.

3. The correct method to splice the conductor (Spider) is to use repair sleeves as per drawing no. ETI/OHE/P/1610-1 or equivalent drawing of the source approved by CORE/ALD. No other method of splicing the conductor shall be resorted to.

4. Agency for implementation:

Railways and RE Project units.

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