

A. Scope of Section project pertaining to Communication equipment for Substation Packages under TBCB/RTM/Consultancy projects.

TELE-COMMUNICATION EQUIPMENT:

The broad Scope of the procurement of FO based Communication Equipment shall include planning, designing, engineering, supply, transportation, insurance, delivery at site, unloading, handling, storage, installation, termination, testing, training and demonstration for acceptance, commissioning and documentation for:

1. SDH Equipment along with suitable interfaces and line cards.
2. All cabling, wiring, Digital Distribution frame patch facilities and interconnection to the supplied equipment at the defined interfaces
3. System integration of all supplied subsystem
4. Integration with the existing communication system based on SDH and PDH of employer
5. Integration of supplied subsystem with SCADA system, PLCC equipment, PABX of RLDC/SLDC, VOIP (SIP compliant) for voice.
6. Fibre Optic Approach Cable (FOAC) along with duct, GI pipe, GI Elbow, GI Flexible conduit and Fibre Optic Distribution Panel (FODP)
7. Integration of new Communication equipment in the existing regional Network Management System. All required support to existing NMS vendor for integration of new Communication equipment.
8. Validity of Type Test for GA&C communication equipment (Like FOTE, Fiber Optics Cable, OPGW, DG Set, Battery bank and Charger etc.) shall be as per CEA Guidelines January 2026.

B. TS Rev applicable for Communication Equipment

Sl. No.	Description	Revision
1.	Section – Telecommunication System	Rev. 05


2013

Revision date - 27/3/2016