TECHNICAL SPECIFICATION FOR 33 KV HEAT SHRINKABALE TERMINATION/JOINTING KITS

1.0 **SCOPE :** This specification covers designing, manufacturing, testing, packing, inspection & delivery any where in PVVNL of cable straight through Jointing kits, suitable for 33KV(E), 3core XLPE insulated screened and armored cable as per IS 7098 (with latest amendment), having compacted circular stranded conductor of size 70 to 400 mm^2 or as per requirement.

1.1 It is not the intent to specify completely herein all the details of the design and construction of material. However the material would be inert and capable of resisting degradation during t

1.2 he service life of the cable system and shall conform in all respects to high standards of engineering design and workmanship and shall be capable of performing in continuous commercial operation in a manner acceptable to the purchaser, who will interpret the meanings of drawings and specification and shall have the power to reject any work or material which, in his judgment is not in accordance therewith. The offered material shall be complete with all components necessary for their effective and trouble free operation. Such, components shall be deemed to be within the scope of Bidder's supply irrespective of whether those are specifically brought out in this specification and/or the commercial order or not.

The bidder will have to submit all relevant papers, copies of test reports as required to substantiate its claim or as required.

2.0 **STANDARDS:**

2.1 The materials shall continue in all the respects to relevant 'Indian Standard Specification' with latest amendments indicated below:-

Sl. No.	Indian Standard specification with latest amendments-Title	International or internationally recognized standard with latest amendments-Title
1.(a)	IS: 13573: 1992-Joints of polymeric cable for working voltages 6.6 KV up to and including 33KV	1. VDE-0278-Power Cable Accessories with rated Voltage upto 36KV. 2. ESI-09-13- Performance Specification for High Voltage Heat-Shrinkable Components for Use With High Voltage Solid Type Cable Upto And Including 33 KV.
(b)	IS:2584-1963-Methods for test for electric strength of solid insulating materials at power frequencies.	3. IEEE-48 Standard Test Procedures And Requirement for High-Voltage Alternating Current Cable Termination.
		4. ASTM-D-2303-Lequid -Contaminant, Inclined-Plane Tracking Materials.
		5. IEC-332/BS-4066-Testing on electric cables under fire conditions.
		6. ASTMD- 150 -Standard test methods for AC losses characteristics and Permeability of solid electrical materials.
		7. DIN-445 astmd-412- Standard test methods for rubber properties in tension. DIN-53476-Testing Plastic: Determination of water absorption.
2.	IS: 7098(Part-II) for XLPE Cable.	IEC:502(1983).