

**GUARANTEED TECHNICAL PARTICULARS**

(As applicable for Termination kits)

<b>Sl.No.</b>	<b>Property</b>	<b>ASSURED VALUE FOR TERMINATION KITS SUITABLE FOR 33 KV XLPE CABLE</b>
1	Impulse Voltage withstand	
2	High Voltage withstand	
3	Partial Discharge	
4	Thickness of insulation Over ferrule	
5	Corrosion Resistance	
6	Dimensions	
(a)	Wall Thickness Ratio	
(b)	Longitudinal Change	
7	Electric Strength	
8	Heat Shock	
9	Low temperature Flexibility	
10	Relative Permittivity	
11	Thermal Ageing	
12	Tensile Strength	
13	Ultimate Strengt	
14	Tracking Resistance	
15	Volume Resistivity	
16	Water absorption	
17	Water Vapour Permiability.	

**TECHNICAL DATA**

1.1	Name of the Manufacturer	
1.2	Trade name of Termination kits	
1.3	Is the kit fully or partly imported/ indigenous (Please attach list of components which are imported).	
1.4	If the kit/Components is /are imported specify country (ies) of origin. (Attach list of origin).	
1.5	Is the production in India supported by any collaboration.	
1.6	If so, name and address of the Principals.	
1.7	Location & address of the manufacturer's work in India, for the indigenous components.	
1.8	Whether components of the kit as listed below have been tested in accordance with and meet the requirements of ESI-09-13:	
	Stress control tube	
	Non tracking tubes	
	Rain sheds	
	Conducting breakout (Shroud)	
	Oil barrier tubes	
	Non tracking mastic	
	High permitivity mastic	
1.9	If so, the name(s) of the Independent Laboratory (ies) where testing was conducted.	
1.10	Whether the copies of test certificate conforming compliance to VDE-0278 (Latest) have been enclosed.	
1.11	Whether dimensional drawings indicating the clearance etc. and bill of material for each kit is furnished along with the offer.	
1.12	Shelf life of the Kits (years).	
1.13	Volume resistivity of the material of stress control tubing (Min) in ohm. Mtr.	
1.14	Relative permitivity (Min.) of the material of stress control tubing.	

1.15	Minimum permittivity of stress grading mastic.	
1.16	Volume resistivity of stress grading mastic.	
1.17	Self life of non tracking mastic.	
1.18	Self life of stress grading mastic.	
1.19	Whether co-extruded duel wall tubing offered for joints.	
1.20	Minimum installed insulation thickness in joints.	
1.21	Number of layers required to achieve the insulation buildup.	
1.22	Total creepage for	
	33 kv Indoor terminations.	
	33 kv Outdoor terminations.	
1.23	Material of non tracking tubes and components	
1.24	Whether documentary evidence for proven performance for atleast 5 year in Indian conditions enclosed.	
1.25	Please furnish dimensional details of lugs and ferrules.	
1.26	Non-Tracking Erosion and whether resistant components:	
1.26.1	State whether Non-Tracking Erosion and weather resistant components offered.	
1.26.2	If yes state nomenclature of components.	
1.26.3	State whether offered tubes meets the requirements of ESI-09-13.	
1.27	Stress Control Components:	
1.27.1	State whether stress grading offered.	
1.27.2	If yes state manufacturer's name.	
1.27.3	Confirm if tubes meet the requirement of ESI-09-13.	
1.28	State whether hot melt track resistant sealant/mastic offered.	