



Office of the Chief Engineer
Distribution (P & E) Department

alongside dry and gas curing processes in their respective technical specifications for 11KV XLPE power cables.

Resolution of the Committee:

1. steam curing may be considered within the technical specifications of WBSEDCL, its application should be strictly limited to cables up to 11 kV (E) only .
2. Furthermore, the adoption of triple-extrusion technology should be made mandatory, ensuring simultaneous extrusion of conductor screen, insulation, and insulation screen layers to minimize moisture ingress, reduce interfacial contamination, and improve overall insulation integrity.
3. All the technical parameters of the cable will remain same.
4. The Partial Discharge test both before and after bending test should be incorporated within the acceptance test.

Miscellaneous Agenda 1: Incorporation Polycarbonate encapsulation for LTCT –

Proposed Modifications:

Use of Polycarbonate encapsulation as insulating medium for 200/5 & 400/5 amp LTCT used for metering purpose of LT bulk consumers.

Discussions:

1. At present the Tape wound CT is being used for LT bulk consumers.
2. The tape used for insulating the LTCT may degrade over time , as it is susceptible to moisture ingress. It may lead to the degradation of the Insulation of the LTCT.
3. The pros cons of the polycarbonate encapsulation as a insulating medium for LTCT is discussed.
4. OEM observations on polycarbonate encapsulation are also discussed.

Resolution of the Committee:

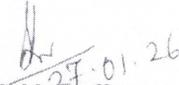
1. It is decided that the polycarbonate encapsulation may be accepted as insulating medium for LTCT in addition to the existing tape wound LTCT to assess its performance.
2. One separate specification of polycarbonate encapsulated LTCT has been prepared and signed.

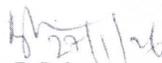

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A K Mallik
CE: DTD

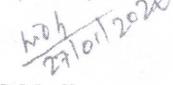

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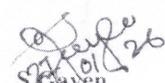

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T Halder
CE:Dist(South)

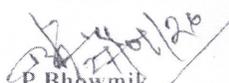

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M Mukhopadhyay
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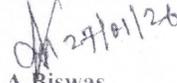

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B Saha
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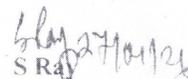

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A Makur
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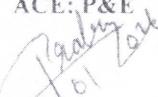

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R C Madhu
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S Gayen
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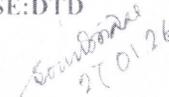

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