



सत्यमेव जयते

भारत सरकार / Government of India
विद्युत मंत्रालय / Ministry of Power
केन्द्रीय विद्युत प्राधिकरण / Central Electricity Authority
ई.टी. एवं आई. प्रभाग / ET & I Division

सं. के.वि.प्रा./पी.एस./ई.टी. एवं आई./MII/2024/

दिनांक: 21.05.2024

विषय: एचटीएलएस कंडक्टरों के कार्बन फाइबर कम्पोजिट (सीएफसी) कोर का परीक्षण बाबत।

Sub: Testing of carbon fibre composite (CFC) core of HTLS conductors.


It has been brought to the notice of this office that a few of the procuring entities/ utilities in the power sector have been stipulating in their tenders for High Temperature Low Sag (HTLS) conductors with CFC core a requirement of "salt spray test" on these conductors in lieu of the mandatory "Galvanic Protection Barrier Layer Thickness Test" for determining the efficacy of the galvanic protection layer on the carbon fibre composite core to protect CFC against the galvanic corrosion.

In this regard, it is to state that the appropriate test for the determination of the Galvanic Protection Barrier Layer thickness is the test to be performed as per the procedure laid down in the ASTM B987 standard. Salt spray test has no correlation with the determination of the thickness of galvanic protection barrier layer on the CFC core in the HTLS conductors.

All procuring utilities/ organizations/ users in the power sector are hereby advised to stipulate in their tenders for HTLS conductors the requirement of "Galvanic Protection Barrier Layer Thickness Test" as one of the mandatory tests as per the procedure laid down in the ASTM B987 or any other published national or international standards for the core including single-strand or multi-strand carbon fibre composite cores for HTLS overhead conductors, and in any case "salt spray test" shall not be used as a substitute for "Galvanic Protection Barrier Layer Thickness Test".

In this context, all previous advisories and communications issued by CEA stand superseded by this advisory with immediate effect.

यह सदस्य (विद्युत प्रणाली), के.वि.प्रा. के अनुमोदन से जारी किया जाता है।


21.5.2024
(सुरता राम)

मुख्य अभियन्ता (ET&I)

To: All procuring utilities/ organizations/ users in the power sector.

प्रतिलिपि: 1. अध्यक्ष, के.वि.प्रा. के विशेष सहायक; 2. PG Desk, विद्युत मंत्रालय