

PT0301 Supply of Insulators 315 kV HVac

Scope of Work Summary:

Package includes the design, fabrication, shop testing, packaging, delivery and warranty of ball and socket type suspension insulator disks to be used for the construction the following transmission lines:

Two parallel 315kV AC transmission line will be built between the new Muskrat Falls Transmission Station and the existing Churchill Falls Transmission Station, in Labrador and each line will be about 265km in length.

Both porcelain and glass type of insulator disks are acceptable. Insulators shall comply with the following codes and standards:

- IEC 383: Tests on Insulators of Ceramic Material or Glass for Overhead Lines
- CAN/CSA: C411.1-M89 (R2004): AC Suspension Insulators
- CAN3-Z299.2-85 (R2002): Quality Assurance Program Requirements

Equivalent ISO quality assurance program is not acceptable.

The estimated quantities and basic properties of insulators are as follows:

1. AC Transmission Line Insulators (70kN): Approximately 13,000 disks
2. AC Transmission Line Insulators (220kN): Approximately 85,000 disks

Insulators shall be delivered in suitable crates to multiple delivery points along the lines. Exact type of insulators and delivery points for the insulators will be specified later.