

**Amendment-1 to the Technical specification TB-349-316-101 Rev-00  
(765kV Isolators and Earth Switch for Raichur Project)**

The following changes are made to the technical specification:

Section-1, Clause No. 1.0

Offered isolators can be horizontal double break/vertical break or knee type

Section-1, Clause No. 6.0: - Bill of quantity

In this clause wherever, “without post insulator” is amended to “with post insulators”

Bidder is also required to quote for the post insulators needed for the offered Isolators separately. Prices for insulators shall also be considered for commercial evaluation. BHEL reserve the right to place the purchase order for

- (i) Isolators only – metallic part
- (ii) Isolators along with insulators

Section-1, Clause 7.0:- Type tests

“Date of bid opening” should be read as 25.08.11.

Section-2, Clause 2.4.4:- Insulators details

“Insulator (shall be supplied by BHEL)” shall be read as “The supply of insulators is also in the scope of bidder”. Offered insulators should comply at least to the following requirements.

- Insulators shall conform in general to latest IS: 2544, IEC-60168 and IEC-60815
- Insulators shall have alternate shed profile
- Insulators shall have minimum 1000kg cantilever strength
- Minimum Creepage distance of the insulators shall be 20000mm (25mm/kV)
- Isolators should have been tested along with post insulators as per IEC requirement

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Bharat Heavy Electricals Limited  
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Technical Specification  
765kV Isolator and Earth switch

- Pressure due to the isolator contact shall not be transferred to the insulators after the main blades are fully closed
- Bidder shall also be required to submit all the valid type test reports for the offered insulators as per relevant IEC during contract execution stage
- Fixing details of the insulators: Top PCD: 225mm with 4 holes (4 X M18);  
Bottom PCD for Post Insulators: 356mm with 8 holes (8 X M18)

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