

Specifications of Transformer

Scope of Supply : Design, Supply, Installation and Commissioning of the Transformer. Dismantling the old Transformer and placing the new one and connection the same

Transformer Type : 3-Phase Oil Immersed and Naturally Air Cooled Transformer

Rating : 160 KVA, 380 V Delta / 380 V WYE, 50 Hz

Primary : 380 V Delta (3 Phase 3 Wire)

Secondary : 380 V Wye (3 Phase 4 Wire)

Impedance(%) : 4

Vector Group : Dyn11

Type of use : Outdoor

Transformer height : Wheel base to transformer primary connection point – 1300 mm

Wheel base to transformer secondary connection point – 1300 mm

Terminal Box:

Height : Wheel center to cable entry hole 655 mm

Wheel measurement: Wheel to Wheel centre line distance 630 mm

Enclosure : Both terminal box will be enclosed type and must be water proof.

Cable gland : 1 no. cable gland (EExd type) at primary side for armoured cable of 195mm outer diameter and 1 no. cable gland (EExd type) at secondary side for armoured cable of 195 mm outer diameter.

Primary terminal no : 3

Secondary terminal no : 4

The transformer must be run with parallel of the existing transformer.

All terminals should have standard colour marking and name.

1. Accessories:

- I. Conservator
- II. Oil level indicator
- III. Silica gel breather
- IV. Thermostat for (Trip & Alarm)
- V. Oil drain and filling valve
- VI. Buchholz relay (Trip & Alarm)
- VII. Tap Changer for (+5,+2.5,0,-2.5,-5)%
- VIII. Wheel for moving the transformer.

2. Drawing, Information and certificate:

- i) Manual and Catalogue for Buchholz relay and Thermostat shall be submitted along with the Tender
- ii) General arrangement drawing of the Transformer showing the terminal Box and other accessories shall be submitted along with the Tender
- iii) Control wiring diagram shall be submitted along with the Tender

3. Approval:

Successful Bidder shall furnish mention drawing clause 2(ii),(iii) for purchaser's review and approval before manufacturing