

6.6KV/0.433 KV, 500KVA & 250 KVA Step-down Transformer: specification

3 ph, 50Hz surface application, oil immersed double wound, Core Type, Copper wound Transformer including first fill of oil complying with latest IS 2772 & IS 2026 standards.

Technical specifications : Annexure -I

Standard fittings& Accessories : Annexure -II

ANNEXURE –I TECHNICAL SPECIFICATIONS

DESCRIPTION/ITEM	Remarks
Quantity	2No's
KVA Rating	500 KVA & 250KVA
Application/duty	Low Loss, Oil type Distribution Transformer
Voltage Ratio HV/LV	6.6KV/0.433KV
Vector Group	Dyn11
TERMINAL ARRANGEMENTS HV (Bare Bushings/CB/CBDC/Bus Duct) LV (Bare Bushings/CB/CBDC/Bus Duct)	HV: Cable Box should suitable for terminating 3X185mm ² Aluminum conductor XLPE insulated DWA cable LV: Cable Box with Cu.bus bar should be suitable for terminating 4runs 3CX185mm ² PVC DWA Cu.cable
TAP CHANGER No Load Losses Load losses Impedance	Off Load tap changer As per IS tol As per IS tol 4%
TAPPING RANGE & STEPS	+2.5,-2.5,-5 & -7.5% at steps of 2.5% on HT side
COOLING	ON AN
Temperature Rise over Ambient of 40Deg.C 1 For Oil/Winding	50/55 deg C
Winding Connections(Primary/Secondary)	Delta/Star
Terminals & Connections & Cable glands	As Per clause no. 6 x 6.7 of IS2772(Latest)
Cable sealing boxes & cable glands	As per clause 7 of Is2772
Current Density	3A/mm ²
Volume of oil	As applicable
Primary Side Cable	11 KV(E) grade XLPE insulated copper conductor 3ph round wire armored cable as per IS 7098/II/85
Secondary Side Cable	3/4 runs 1100V PVC insulated DWA 3ph copper conductor cable as per IS1554-II
Tests to be conducted	All Type & Routine Tests as per IS 2026/1977

Note: 1. The type test certificate, conducted on a similar capacity & class transformer of your own, at CPRI, shall be submitted.

2. Three sets of, GA drawings, shall be submitted. For our approval

ANNEXURE -II		
STANDARD FITTINGS AND ACCESSORIES TO BE PROVIDED for 500KVA & 250 KVA Oil immersed Transformer		
S.No	Description	Qty (No)
1	Off load tap changer on HT side	1 set
2	Top Filter Valve	1
3	Bottom Filter-cum- Drain Valve	1
4	Rating & Diagram Plate	1
5	Earthing Terminals	2
6	Thermo meter pocket	1
7	Lifting Lugs	2
8	Air relief Plug	1
9	Bi Directional rollers	4
10	Separate Bare LV Neutral with MS box	1
11	Fixed / detachable type Radiators	1 set
12	Silica gel breather	1
13	Tap Selector Switch(Off Load)	1
14	Oil Level Indicator	1
15	Buch-holz Relay	1
16	Conservator tank	1

Make – Kirloskar/Crompton & Greaves/ Bharath bijle /SCHENIDER

