

18. Whether unbalanced load is anticipated.	Yes (10 %)
19. Impedance Voltage at rated current	4.5 %
20. Losses	
(a) No load	260 watts ( as per CBIP)
(b) Full load at 75 Deg C	1760 watts (do)
21. Maximum clearance in air between	
(a) Live conductive parts	H.V= 305mm L.V = 75 mm
(b) Live conductive parts and Earthed structure	H.V = 153mm L.V = 40mm
22. Material of HV & LV winding	Aluminium
23. Flux density	1.69 Tesla ( Maximum)
24. Over Fluxing	Transformer should be suitable for over Fluxing up to 12.5 % of any tapping without injurious heating
25. Fittings	
i) Conservator with drain plug and Oil filling hole with blanking plate	1 No
ii) Plane oil gauge	1 No
iii) Air release device	1 No
iv) Rating Plate	As required
v) Terminal marking plate	As required
vi) Earthing terminals	2 Nos
vii) Lifting lugs	As required
viii) Drain valve with plug	1 No
ix) Dehydrated Breather	1 No
x) Oil Filling hole with cover	1 No
xi) Filter valve	1 No
xii) Plain roller duly fitted	4 No
xiii) Off circuit tap changing switch	1 No
xiv) Pressure relief vent	1 No
xv) Platform mounting arrangement	1 No
i) H.KV bushings	3 Nos on HV side
ii) L.V Bushings	4 Nos on LV side
26. Short circuit Test	Required ( refer clause) as per IS:2026

Fittings, accessories, which have not been listed above but are necessary for commissioning and proper operations of transformers, shall also be included in scope of supply.

Drawings: the tenderers shall furnish detailed dimensioned drawing of the transformer indicating fitting and accessories. The drawing are however, subject to approval by the department at the time of finalizing the contract.

The drawing to be submitted shall bear the stamp of CPRI/ ERDA/ NABL Accredited test house of National repute where from the equipment has been tested/ inspected.

Note:-

- a) Wherever reference to IS specification has been indicated in specifications etc the same shall deem to be of latest version thereof.