

Sr. No	Inspection to carry out for	Action to be taken
1	Peak hour Ampere loading	If found overloaded than necessary reason should be verify and corrective action should be done.
2	Unbalance loading	If unbalancing is found, action should be taken for balancing of load in all phases
3	Terminal connection tightness should be verify	If found loose than tightening should be done
4	HV and LV bushing should be examine for any dirt deposit, flash and crack Oil leakage from gasket, rubber parts	Clean it with cotton waste and replace it if found flashed and cracked
5	Oil leakage from gasket, rubber	Replace worn out gasket and rubber parts and conduct necessary oil topping
6	Palm connector & AL bus -bar	If found hot spot on it or burnt replace by new one
7	Insulation resistance (Megger value)	Measure insulation resistance and if found less than value shown below transformer should be replaced in overhauling. · HV to body more than 100 Mega ohm · LV to body more than 50 Mega ohm · HV to LV more than 100 Mega ohm
8	Dehydrating breather color should be verified	If Silica gel is pink, change by spare charge. The pink gel may be re- activated for reuse
9	Condition of radiator and tank for rusting in coastal areas	If found heavy rusting of radiator and tank necessary cleaning and on-site spray painting should be done.
10	Oil level in conservator tank should be at 30 deg. Mark at ambient temperature	If low, top up with filtered oil and examine cause of leakage. In oil theft prone area necessary sealing of drain valve should be done.
11	HT side drop out fuse	Proper size of DO fuse wire should be utilized as per capacity of TC.
12	LT side Kit-kat and HRC fuse	Proper size of fuse wire and HRC should be utilized in distribution box and also tightening of connection of incoming and outgoing side
13	Inspection of LT network	Necessary maintenance for LT network should be carried out.
14	Earth resistance measurement	Two nos. of strip type separate neutral earthing should be provided and earth resistance should be less than 5 ohms
15	Transformer structure maintenance	Clean the complete structure by removing creepers and dirt waste of structure
16	Lighting arrestor	Verify proper connection and operating condition of lighting arrestor
17	Pressure relief valve condition	If found jam than replace it by new one
18	Oil level gauge	If found broken than replace it by new one
19	Humming noise from transformer	If abnormal noise is coming from transformer compared to healthy noise level at the time of installation than it should be replaced under Tank body should be earthed at two places with separate earthing point
20	Tank body earthing	Check it. If Damage then Rectified it.
21	Oil Break Down Voltage (BDV) test	Oil sample should be sent to respective DGVCL In-house unit for BDV value verification

22	Check for pair of arcing on each phase of HV bushing	It should be fitted and proper Arcing horn alignment to be done
23	LT Side Brass Nuts and washer	Tight Fitting the Nuts & Washers.
24	Deteriorate Dist Box.	Replace it. With New Fuses.
25	Deteriorate/Fired/ Joited LT Cable	Replace it. With Proper Size
26	Brocken Kit ket Fuse.	Replace it. With Proper Size
27	If, HT side from D.O. fuse outside to TC Jumpers may Bare Conductors.	(1) Providing of insulated jumper at HT side from D.O. fuse outside to TC all three nos(jumper wire will be provided by DGVCL). (2) Supply and fixing of upto 33KV Conductor Sleeve for Busbar to DO Fuse and DO Fuse to Transformer HT including Busbar (12 mm/15 mm Sleeve) as per Technical Specification. (All Materials will be supplied by Agency)