

Checklist of Auxiliary Transformers
50MW P-4 BLOCK, NTPC, SOLAR POWER PLANT, MANDSAUR, MP.

Date:

Time:

S.No	Description	Remarks
1	Observe for normal operation / noise. If any abnormality observed, take necessary action / report to superior.	
2	Check the oil level in conservator and top up with tested oil if the level is fallen below minimum level, note down the quantity of oil used for top up.	
3	Check for any oil leakages at bushings, tank cover etc and take necessary action.	
4	Clean transformer body.	
5	Check for any rust / paint peel off etc and take necessary action. Replace corroded hard wares.	
6	Clean with dry cotton cloth. Use cleaning agents like acetone if necessary.	
7	Examine for surface cracks. If found, bushing to be replaced.	
8	If any oil leakage / seepage observed from bushing pocket, tighten bushing fixing screws / take necessary action such as replacing of gasket, as required.	
9	Check the color of silica gel. If it is pink / white, replace with reactivated / new silica gel.	
10	Check the oil level in the cup and top up if necessary.	
11	Check the condition of terminal connections for signs of overheating / looseness. If found, take necessary action such as tightening. Badly heated / burnt lugs to be replaced.	
12	Check that the LV cable box is weather proof. Replace damaged gasket, replace rusted bolts / nuts etc. Check and ensure cable glands are in good condition.	
13	Note down the oil temperature at the time of maintenance.	
14	Note down the maximum oil temperature.	
15	Ensure that oil is present in the thermo well pocket.	
16	Switch position of Tap changer.	
17	Earthing connection.	

Note: 1. Use safety devices such as safety gloves, earth rods etc.

2. Isolate and earth the working section before starting the maintenance. For connecting earth rods, connect earth connections first and then connect to line.

3. Keep all necessary tools and tackles ready.

4. Note down the Sl. No. of transformer / location etc.

5. This maintenance checklist is applicable for all conventional (i.e. with conservator & breather) transformers

Manpower Utilization: TM:

Helper:

Spare / Tools Used:

Outage ___ day