

Transformer Preventive Maintenance Check List

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Equipment: Transformer

Department: Electrical

Site: ABC mall

Frequency: Monthly

Location:

D.B No:

Date: -

Instruction: -

Follow safety instruction like LOTO procedure during PM activity.

Check the tick mark performance checklist. After done PM activity remove LOTO and tools.

A. Safety Precautions Prior to the PM Procedure:

- 1 Use personal protective equipment.
- 2 Isolate incoming power source.
- 3 Use personal protective equipment like as gloves, safety shoes etc.
- 4 Apply "Lock Out" and "Tag Out" signboards

B. Performance Check list:

- 1 Ensure no leakage current is present in the transformer after discharging.
- 2 Change silica gel from breather.
- 3 Check buchholz relay alarm and trip setting.
- 4 Check and adjust winding temp alarm and trip setting.
- 5 Check and adjust oil temp alarm and trip setting.
- 6 Check any crack in transformer bushing.
- 7 Check any overheating sign on input and output cable terminals.
- 8 Check abnormal sound in transformer body.
- 9 Check poor contacts of terminals at the tap changer of the winding.

C. Checklist for safety inspection on completion of PM:

- 1 Remove signboard
- 2 Ensure that no tools are left within the cubicle of the panel

D. Inspection and Test Results:

Parameters		Voltage			Current(A)		
		RY	YB	RB	R	Y	B
Acceptable limits							
Test Data							

E.	Material Required	Spares Used			Test Equipment Required
1	Waste Cloth				Electrician tool kit
2	Emery paper				Multimeter
3	CRC				Tong Tester
4	Brass nut/bolts/washer				Blower/vacuum Cleaner
					Insulated gloves

Technician:

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Shift Engineer:

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Yicheng Fang



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