



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
DALMIAPURAM**



Issue No. 01	Rev. No: 00	Effective Date: 01.04.2016	SOP/Elect /38
Issued By: S & P		Approved By: Elect. & Inst Head	
SOP For Transformer Online Maintenance			

Scope/Purpose : This Procedure to establish and ensure safe Online maintenance in Transformers.

Responsibility : Section Supervisor – Electrical

Accountability : Head-Electrical

PPE:

1. Safety shoe/Boot,
2. Safety Helmet
3. Rubber Gloves

Tools:

1. Insulated tools

Hazard Analysis:

Risks associated

Electric shock

Mitigating Measures

Ensuring online maintenance activities only.

Training needs:

1. Usage of tools and Nature of Hazards
2. Usage of PPEs

Procedure:

- a) Get work permit from section in-charge.
- b) Ensure to carryout online maintenance activities only.
- c) Clean Transformer with air blower.
- d) Check Silica gel & Oil level in breather. If required change silica gel.
- e) Check oil level in conservator tank.
- f) Check for any gas trap in Buchholtz relay.
- g) Fill the check list.
- h) Return the work permit.



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Emergency / Emergency Shut OFF:

1. If any injury is there, and inform to the safety department or call Emergency number 251 / 254 / 568 /9842994062.

Records/Annexure:

1. JSA is enclosed below.

JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: Transformer online maintenance	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Electrician	Supervisor: Section Supervisor	Department: Electrical	Section: Plant	Approved by:
Req'd/recommended PPE: Safety shoe, safety helmet & Rubber Gloves.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Cleaning Transformer	Electric shock a. Dust particles enter in eye b. Hot Oil Leakage	Usage of Safe operating procedure	Contact with Live parts	Ensuring online maintenance activities only
Changing Silica gel	Injury due to heating silica gel	Usage of Safe operating procedure	Contact with heater	Ensuring safe heating method