



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



Issue No. 01	Rev. No: 00	Effective Date: 01.05.2016	SOP/Elect /39
Issued By: S & P		Approved By: Elect. & Inst Head	
SOP For Condition monitoring of electrical equipment in operation			

**Scope/Purpose** : This procedure to establish safe operation of condition monitoring of electrical equipment in operation.

**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 the section head.
- b) Get proper conditions monitoring equipment/tools from concerned.
- c) Ensure the proper working condition of the specific equipment.
- d) Take condition monitoring readings of the equipment and record the same.
- e) Register abnormal conditions and severity in the condition monitoring log book.
- f) Return 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 / 222 / 555 /9842994062.

**Records/Annexure:**

1. JSA is enclosed below.

**JOB SAFETY ANALYSIS: (JSA)**

<b>Job Safety Analysis</b>	Job: Condition monitoring of electrical equipments	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.				
<b>Sequence of Basic Job Steps</b>	<b>Potential Hazards</b>	<b>Recommended Safe Job Procedure</b>	<b>What Could Go Wrong</b>	<b>Corrective Action</b>
Taking measurement	Electric shock	Usage of Safe operating procedure & tools	Contact with live parts	Ensure updated SOPs & certified tools are used
	Slip to running equipment	Usage of Safe operating procedure & tools	Improper standing posture & usage of improper tools	Ensure certified tools are used