



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



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/Elect /05
Issued By: S & P		Approved By: Elect. & Inst Head	
SOP For GRR Maintenance			

Scope/Purpose : This Procedure is to establish and ensure safe Maintenance Practices in GRR

Responsibility : Section Supervisor – Electrical

Accountability : Head-Electrical

PPE:

1. Safety helmet
2. Safety shoe
3. Rubber Gloves
4. Nose Mask

Tools:

1. Insulated tools
2. Air Blower
3. Screw Driver
4. Cutting-Plier
5. Discharge Rod
6. Spanner set
7. Test Lamp
8. Fuse Puller

Hazard Analysis:

Risks associated

Electrical shock

Mitigating Measures

Use of insulated tools & proper discharging methods

Training needs:

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



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Procedure:

- a) Get work permit from the concerned Electrical section in-charge.
- b) Switch off & Isolate the local power panel.
- c) Use Hand gloves during Panel discharging.
- d) Discharge the Bus & Resistance.
- e) Use Insulated tools during Maintenance works.
- f) Clean & Check Power panel components.
- g) Clean & Check Control cubicle components.
- h) Clean & Check Resistance Bank.
- i) Clean & Check Heat exchanger blower.
- j) Clean & Check Dust filter.
- k) Remove Discharge Rod.
- l) Normalize the panel condition.
- m) Clear the Work permit.

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.



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JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: Maintenance of GRR	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 helmet, Safety shoe & Rubber Gloves.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Switch Off & Isolation	Electric Shock	By using Isolator Handle & Fuse puller	Isolator handle damage	Proper Switch off methods
Maintenance Activities	Electric shock due to un-discharged components	Proper Discharging methods	Live circuit / Usage of Improper tools	Proper discharge methods & permanent connection of Discharge rods during Maintenance

HEAD E & I

HEAD TECHNICAL