



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



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/Elect /13
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Issued By: S & P	Approved By: Elect. & Inst Head
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SOP For EOT Crane Maintenance

Scope/Purpose : This Procedure to establish and ensure safe Maintenance activities of EOT Crane.

Responsibility : Section Engineer – Electrical

Accountability : Section Head - Electrical

PPE:

1. Safety helmet,
2. Safety shoe,
3. Rubber Gloves.
4. Full body harness with double lanyard

Tools:

1. Spanner set & Screwdrivers
2. Multimeter
3. Discharge rods

Hazard Analysis:

Risks associated

Fall from height
Electrical shock

Mitigating Measures

Use of safety belt
Use of proper tools & Proper earthing

Training needs:

1. Usage of tools and exposure on Hazards involved
2. Usage of PPEs
3. Crane maintenance & operation
4. General & Electrical safety

Procedure:

- a) Obtain Work at height & normal work permit
- b) Ensure the power supply is Isolated and proceed LOTO.



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- c) Wear PPEs before reaching site
- d) Ensure proper working platform
- e) Perform the jobs as per job list
- f) Return the Work permit

Emergency / Emergency Shut OFF:

1. If any injury is there, and inform to the safety department or call Emergency number 523 / 251 /9865177444/9865195111.

Records/Annexure:

1. EOT Crane maintenance Register & procedure
2. JSA is enclosed below.

JOB SAFETY ANALYSIS:(JSA)

Job Safety Analysis	Job: EOT Crane Maintenance	Date:	Analysis by:	Reviewed by:
Title of employee doing job:	Supervisor: Section Supervisor	Department: Electrical	Section: Plant	Approved by:
Req'd/recommended PPE: Safety helmet, Safety shoe, Rubber Gloves & Safety belt.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action



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Obtain Work permit	Electric shock	Work permit procedures	Usage of Improper tools	Usage of proper tools
Ensure Power supply is disconnected	Electric shock	Proper isolation & inspection methods	Slipping of SFU handle or defective isolator	Inspect for physical isolation
Performing the listed jobs	Electric Shock	Use Proper tools & PPEs	Electric shock due to dischargeable components	Follow up of proper discharging methods
	Fall from Height	Use full body harness	Defect / damage in harness	Periodic inspection and replacement

HEAD E & I

HEAD TECHNICAL