



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



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/Elect /22
Issued By: S & P		Approved By: Elect. & Inst Head	
SOP For Temporary Lighting arrangement			

Scope/Purpose : This Procedure to establish and ensure safe method of Temporary Lighting Arrangement

Responsibility : Section Supervisor – Electrical

Accountability : Head-Electrical

PPE:

1. Safety shoe,
2. Safety helmet
3. Safety belt

Tools:

1. Insulated tools

Hazard Analysis:

Risks associated

Electric shock
Fall from height

Mitigating Measures

Usage of Trippers & Insulated tools
Usage of ladders & Safety belt

Training needs:

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

Procedure:

- a) Get work permit from the concerned Electrical section in-charge.
- b) Use 30mA ELCB for the lighting circuit & ensure the tripper operation.
- c) Use 24V lamps only for the confined space illumination.
- d) Use 24V/230V lamps for outdoor illumination.
- e) Ensure proper earthing for 230V lighting circuits.
- f) Use ladder & Safety belt for fixing lamps at heights.



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- g) Ensure the lamp is free from hazards of fall / water entry.
- h) Ensure the position of lamp not to glare the work area.
- i) Return 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: Temporary Lighting Arrangement	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Contract Electrician	Supervisor: Section Supervisor	Department: Electrical	Section: Plant	Approved by:
Req'd/recommended PPE: Safety shoe, Safety helmet & Safety belt.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Climbing up	Fall from height	Usage of Ladder and safety belt	Slip from ladder	Usage of proper ladder & ensuring proper lock arrangement
Lamp fixing & circuit connection	Electric shock	Ensuring proper earthing	Improper earthing	Usage of 30mA ELCB & ensuring Tripper operation

HEAD E & I

HEAD TECHNICAL