



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



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/Elect /17
Issued By: S & P		Approved By: Elect. & Inst Head	
SOP For ESP Line Clearance			

Scope/Purpose : This Procedure to establish and ensure safe method of ESP Line Clearance.

Responsibility : Section Supervisor – Electrical

Accountability : Head-Electrical

PPE:

1. Safety helmet,
2. Safety shoe,
3. Rubber Gloves.

Tools:

1. Insulated tools
2. Discharge rods

Hazard Analysis:

Risks associated

Electrical shock

Mitigating Measures

Use of proper tools

Training needs:

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

Procedure:

- a) Get confirmed from Central Control Room to switch off ESP
- b) Switch Off the ESP Transformers feeders & Take Panel Interlock Keys
- c) Fix Panel Interlock keys in Transformers, Open & earth the secondary leads and take Earth Interlock keys



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- d) Fix All Earth interlock keys in interlock key panel & release the Main Door Interlock keys
- e) Hand over the Door Interlock Keys to Central Control Room along with LOTO

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. ESP Discharge procedure
2. JSA is enclosed below.



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JOB SAFETY ANALYSIS:(JSA)

Job Safety Analysis	Job: ESP Line clearance	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 .				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Switching OFF Feeders	Electric shock	Work permit procedures	Usage of Improper tools	Usage of proper tools
ESP Field Earthing	Electric shock	Proper discharging methods	Usage of Improper tools	Usage of proper tools
	Fall from Height	Safe discharging method	Slip from platform	Usage of PPEs

HEAD E & I

HEAD TECHNICAL