



DALMIA CEMENT (B) LIMITED – CEMENT PLANT
ARIYALUR
ELECTRICAL MANUAL

Issue No:02	Rev. No: 00	Effective Date: 01.11.2019	ELEC/SOP/060
Issued By: M.R		Approved By: HOD - ELECTRICAL	
SOP for CPP LT Power Change over at CMBH			

Scope : Cement mill PCC supply resuming through CPP LT supply during Block out

Responsibility : Engineer/Electricians

Accountability : Electrical Manager

PPE:

1. Safety helmet,
2. Safety shoe,
3. Nose Mask.
4. Safety Gloves.
5. Torch light

Tools:

1. General Tools
2. Cycle

Hazards:

Risk Associated
Electrical Shock
Minor body injury
In case night hit with objects and fall

Mitigating Measures
Tested Electrical Rubber Hand Gloves
Safety shoes, gloves, helmet, goggles
Keep torch light during night

Training needs:

1. Electrical shock recovery Training
2. Emergency preparedness
3. First aid training
4. Plant Power distribution awareness training



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Procedure:

1. Ensure the availability of 11Kv Supply in Grid Incomer CB8 & CPP Incomer feeder CB6
2. Ensure the availability of 110 KV supply from TNEB in yard
3. After Ensuring the TNEB supply non availability, Inform to CPP shift for starting the LT DG from CPP
4. Ensure the CMBH breaker for CPP DG is in OFF condition
5. Ensure the PCC Incomer 1 & 2 in OFF condition
6. Opening the All Breakers in PCC except Lighting Transformer feeder
7. Switch ON the Bus coupler Breaker for receiving supply from CPP
8. After running the DG, CPP person Switch ON the CMBH LT Breaker with proper communication to Plant shift Engineer
9. Ensuring the supply availability in CPP DG incomer feeder at CMBH, shift engineer will switch ON the Breaker for charging the PCC
10. Charging the Breakers in PCC one by one with respect to DG capacity (rated $3 \times 625 = 1875\text{Kw}$) (Cement mill Group can't run through this DG)

Emergency / Emergency Shut OFF:

1. If any injury or electrical shock is there, give First aid and inform to the Safety department or Call Emergency number 3108/9865152222/9750963761.

Records/Annexure:

1. Refer Line clearance certificates
2. JSA as enclosed below.



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JOB SAFETY ANALYSIS:(JSA)

Job Safety Analysis	Job: Power supply change over	Date: 01 – 04 - 2014	Analysis by: Shift Incharge	Reviewed by: Section Head
Title of employee doing job: shift engineer / Electricians	Supervisor: Shift In charge	Department: Electrical	Section: All Section	Approved by: Electrical HOD
Req'd/recommended PPE: Safety helmet, Safety shoe, Mask & Gloves.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Approaching the LC during black out in night	Hit with objects and fall	Go with torch light	Torchlight may not work due to not charging	To be charge in day time and ensuring by Siemens in charge.
Change over form normal to DG and vice versa.	May be flash over.	Fallow instruction of changeover.	Lacking of aware	Periodical pep talk.