



## DALMIA CEMENT (B) LIMITED – ARIYALUR



### ELECTRICAL SMP

Issue No. 01	Rev. No: 01	Effective Date: 07.07.2017	SOP/ELE/058
Issued By:		Approved By: HOD ELECTRICAL	
MCC Feeder Maintenance			

**Scope** : MCC Feeder Maintenance  
**Responsibility** : Electrical section Technician / Section Engineer  
**Accountability** : Electrical Section Engineer / Head

#### **PPE:**

1. Safety Hand Gloves (Suitable Electrical Insulated glove)
2. Safety Helmet,
3. Safety Shoe,
4. Nose mask.

#### **TOOLS:**

1. Screw Driver
2. Hand Blower

#### **Hazard Analysis:**

##### **Risk associated:**

Effect of Shock  
Effect of Eye Irritation  
Dust inhalation

##### **Mitigation Measures**

Suitable Electrical Insulated glove  
Use of goggles  
Use of Nose mask

#### **Procedure:**

1. Switch off the Feeder.
2. Open the Module door.
3. Switch off control MCB.
4. Remove the Modbus Cable.
5. Remove the Female Connector of Indication Lamps and Emergency push button.
6. Take the Rack out Handle.
7. Rack out the module with Handle with rubber hand gloves.
8. Blower it and open the Power contactor coil and Kits & clean with CRC.
9. Replace the power contactor kits if required.



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10. Check the tightness of Power & Aux contactor, Relay, and control cables in the module.
11. Put the module Back and Rack in with Handle
12. Put back the Modbus and Female connector of indication Lamps.
13. Switch on the control supply.
14. Close the module door and Switch on the Feeder

#### **Emergency Shut- off:**

1. If electrical shock injury or body injury 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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<b>Job Safety Analysis</b>	Job: MCC Feeder Maintenance	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Technician	Supervisor: Sec.Engr	Department: Electrical	Section: All Load centers	Approved by:
Reqd./recommended PPE: Safety shoe, Helmet, Goggle, Nose mask				
<b>Sequence of Basic Job Steps</b>	<b>Potential Hazards</b>	<b>Recommended Safe Job Procedure</b>	<b>What Could Go Wrong</b>	<b>Corrective Action</b>
Isolation of feeder	Electrocution/Electrical fire	Use hand gloves Use Fire proof suit	Fail to use of PPE/suit	Educating importance of PPE through pep talk
Check the Contactor kit, Open power contactor Clean fixed and moving contact	Respiration problem Body injury	Wear Nose mask	Damaged nose mask/ Not wearing Nose mask	Periodic replacement / Proper training
	Respiration problem	Use proper tools	Nonstandard /damaged tools	Training for tools handling/ Periodic replacement
	Eye irritation,	Wear safety helmet, safety shoes , hand gloves	Tools and material may fall on human body	Without PPE don't perform the job