



DALMIA CEMENT (B) LIMITED – ARIYALUR

ELECTRICAL SMP

Issue No:02	Rev. No: 00	Effective Date: 01.11.2019	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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Job Safety Analysis	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				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
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