



## DALMIA CEMENT (B) LIMITED – CHINNAKOMERLA



### ELECTRICAL SMP

Issue No. 01	Rev. No: 01	Effective Date: 07.07.2017	SOP/ELE/030
Issued By:		Approved By: HOD ELECTRICAL	
Truck Loader Maintenance			

<b>Scope</b>	: Truck Loader Maintenance
<b>Responsibility</b>	: Electrical section Technician / Section Engineer
<b>Accountability</b>	: 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
3. Fuse Remover/ Puller
4. Waste Cloth

#### **Hazard Analysis:**

<b>Risk associated:</b>	<b>Mitigation Measures</b>
Effect of Shock	Suitable Electrical Insulated glove
Effect of Eye Irritation	Use of goggles
Dust inhalation	Use of Nose mask

#### **Procedure:**

1. Take the truck loader down by pressing the hoist down push button.
2. Take LOTO for truck loader.
3. Open X3, X4, X5 & X7 JB blower it & check control cable tightness.
4. Open all the power JB & blower the JB.
5. Check for any loose connection in power JB.
6. Check Hoist & travel drive motor.
7. Check all the cable Festooning arrangement. If required replace the damaged wheel.
8. Check for the cable sag & tighten it if required.



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9. Open the main control panel & blower it.
10. Check all the control & power cable tightness at the panel.
11. Open all the power contactor & clean with CRC.
12. Replace the power contactor kits if required.

#### **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: Truck Loader Maintenance	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Technician	Supervisor: Sec.Engr	Department: Electrical	Section: Packing Plant	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
Cleaning of Motor body parts, Control JB's & Panel	Eye irritation,	Wear goggles	Damaged goggles / non standard goggles / Not wearing Goggle.	Periodic replacement / Proper training
	Respiration problem	Wear Nose mask	Damaged nose mask/ Not wearing Nose mask	Periodic replacement / Proper training
	Body injury	Wear safety helmet, safety shoes , hand gloves	Tools and material may fall on human body	Without PPE don't perform the job
Measurement of IR / WR value of Motors	Body injury	Use proper tools	Nonstandard /damaged tools	Training for tools handling/ Periodic replacement
		Wear safety helmet, safety shoes , hand gloves	Tools and material may fall on human body	Without PPE don't perform the job
	Electrical shock	Use Tested Electrical Rubber Hand gloves	Damaged Gloves / Not checked before use	Periodic replacement/ To check for Damage before use
		Use Calibrated meters. Good probes	Faulty meters, damaged probes	Meter shall be calibrated periodically. Check and ensure meter



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				and probe condition before use.
Check the Contactor kit, Open power contactor arc chute Clean arc chute and fixed and moving contact	Eye irritation,	Wear goggles	Damaged goggles/non standard goggles/ Not wearing Goggle.	Periodic replacement/ Proper training
	Respiration problem	Wear Nose mask	Damaged nose mask/ Not wearing Nose mask	Periodic replacement / Proper training
	Body injury	Use proper tools	Nonstandard /damaged tools	Training for tools handling/ Periodic replacement
		Wear safety helmet, safety shoes , hand gloves	Tools and material may fall on human body	Without PPE don't perform the job