



MECHANICAL SOP

Issue No. 01	Rev. No: 00	Effective Date:	SOP/MEC/40
Issued By:		Approved By:	
Mechanical Maintenance of Equipments			

SILO EXTRACTION GATE CEMENT LUMPS REMOVAL WORK

Scope: to remove the cement lumps from silo extraction gate

Responsibility: Maintenance Technician

Accountability: Mechanical-Section Engineer

PPE:

1. Safety helmet
2. Safety shoe
3. Mask
4. Gloves
5. Goggles

TOOLS:

1. Required Tools

Hazard Analysis:

Risks associated:

Mitigating Measures

Rotation of the Equipment

Electrical Hazard;

Can be operated from remote

Engagement of clutch:

Inter lock to be ensured

Training needs:

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

Procedure:

1. Line clearance to be taken for main dozing drive equipment..
2. Switch off the roots blower to the concerned silo.
3. Check & Confirm the aeration from each gate and close all the related valves.
4. Close manual slide gate fully.
5. Isolate the pneumatic gate hoses from solenoid valves and close the gate.
6. Open the inspection door of the air slide of distance air slide.
7. Remove all the cement lumps.
8. Check & confirm there are no cement lumps further and close the inspection door.
9. Reposition all the manual slide gate & pneumatic slide gate and return the line clearance.



DALMIA CEMENT (B) LIMITED – Dalmiapuram



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Emergency / Emergency Shut OFF:

1. If any injury is there, and inform to the Security Havildar / safety department or call
Emergency number 516 / 222 / 523/9865177444

Records/Annexure:

1. Silo Extraction Gate Cement Lumps removal procedure
2. JSA is enclosed below.

JOB SAFETY ANALYSIS:(JSA)

Job Safety Analysis	Job: Silo Extraction Gate Cement Lumps removal	Date:	Analysis by:	Reviewed by:
Title of employee doing job:	Supervisor: Section Supervisor	Department: Mechanical	Section: Plant	Approved by:
Req'd/recommended PPE: Safety helmet, Safety shoe, & Safety belt.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Closing of gates	Spreading of cement and dust	To ensure the gate gap of bottom	Eye irritation	Proper closing of gates
Removal of lumps	Hit injury	To ensure the size of lumps for breaking if it is bigger size	Fall down the bigger size lumps	Before removal of lumps confirm the size of lumps

HEAD MECHANICAL

HEAD TECHNICAL