



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/038
Issued By: M.R		Approved By: HOD-Mechanical.	
SOP FOR CLINKER SILO EXTRACTION GATE MAINTENANCE / CHECKING			

Scope : Maintenance of Clinker Extraction Gates.

Responsibility : **Section Engineer- Mech.**

Accountability : **Section Head – Mech.**

PPE:

1. Helmet.
2. Safety shoe.
3. Safety Goggles.
4. Hand Gloves.

Tools:

1. Hammer & chisel.
2. Poking Pipe.
3. Spanner set

Hazards:

Risks associated

4. Hand and Leg injury.

Mitigating Measures

safe and tested tools and tackles

Training needs:

5. Emergency preparedness.
6. On job training

Procedure.

1. Take the line clearance for the related DPC with LOTO system
2. The Work permit paper should be with the people who are working in the site.



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3. Take the confined work area with the relevant department and allow the people to work.
4. Use ppe's while working.
5. Close the pin gate
6. Open the inspection door & clean coating.
7. Check the condition of sector gate, carryout the repair of the same if required
8. After inspection close door as well as close the pin gate also as per requirement
9. Clear the line clearance and take trail run.

Emergency / Emergency Shut OFF:

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1. If any injury takes place, provide First aid and inform to the Safety department or Call Emergency number 3108/9865152222

Records/Annexure:

1. Refer Line clearance/permit in mechanical department.
2. JSA is enclosed below.

Isolation Matrix:

SL No	Activity			Tag / Name of the Equipment
				Isolation Type
				Electrical Energy
				Other Energy

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[illegible]

JOB SAFETY ANALYSIS :(JSA)

Job Safety Analysis	Job:. Silo Extraction gates Checking & Maintenance.	Date: 01/09/2014.	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job : Section engineer	Supervisor: Section Engineer	Department: Mechanical	Section: Packing House	Approved by: HOD-Mechanical

Reqd./recommended PPE's : Safety Helmet, Safety shoe, Hand Gloves, Safety goggles. Nose mask.

Sl. No	Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What could go wrong	Corrective action
1	Entering in to DPC Tunnel	Oxygen Deficiency	Confined space to be attained.	Suffocation	Breathing apparatus.
2	Opening	Congested area to work	Suitable plate for to be ensured	DPC May run	LOTO / Pull card to be operated
3	Gate checking	May run without indication	Ensure LPB.	Some body can operate LPB	LPB key should be with person on work.
4	Pin gates reopen	Material may flush	Ensure inspection door closed,	Still material spillage	Open PIN gates one by one