



## DALMIA CEMENT (B) LIMITED – DPM



### MECHANICAL SOP

Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/MEC/39
Issued By: S & P		Approved By: Head- Mech	
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 Shut- off:

1. In case of belt is moving, Emergency pull chord switch should be activated by the person.
2. If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number 233/555/9865125176/9865177444.

#### 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	
				<b>Electrical Energy</b>	<b>Other Energy</b>



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<b>17</b>	<b>Clinker Extraction Gates maintenance.</b>	<b>Name and Tag for the Equipment</b>	<b>511PD__ / Deep Pan Conveyor.</b>							<b>Close all the Pin Gates to related Gate for maintenance.</b>				
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### JOB SAFETY ANALYSIS :( JSA)

<b>Job Safety Analysis</b>	<b>Job:.</b>	<b>Date:</b>	<b>Analysis by: SECTION ENGINEER</b>	<b>Reviewed by: SECTION HEAD i</b>
<b>Title of employee doing job : Section engineer</b>	<b>Supervisor: Section Engineer</b>	<b>Department: Mechanical</b>	<b>Section:</b>	<b>Approved by: SKB</b>

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

<b>Sl. No</b>	<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>
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

HEAD MECHANICAL

HEAD TECHNICAL