



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
DALMIAPURAM
PRODUCTION DEPARTMENT**



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/PRO/27
Issued By: S & P		Approved By: Head - Production	
SOP FOR Kiln inlet spillage cleaning			

Scope/Purpose : This procedure applicable for removing and cleaning the kiln inlet hot powder cleaning.

Responsibility : CCR Officer/ Section Engineer/Section Head (Production)

Accountability : HOD – Production

PPE:

1. Goggles
2. Nose mask
3. Ear plug
4. Safety Shoes
5. Helmet
6. Heat resistant hand gloves.
7. Kevlar suit

Tools:

1. Poking rod.

Hazard Analysis:

Risks associated

Hot Dust emission

Mitigating Measures

1. Use of Goggles
2. Use of Nose mask
3. Use of Safety shoes
4. Water spray

Training needs:

1. Pep talk before starting the job



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Procedure

- Make a barricade at the ground level to avoid any human entry near hot powder spillage ponds
- Use Proper PPE'S before starting job.
- Open the permanent water spray tap to suppress the fugitive dust emission due to wind.
- Quench the hot powder by spraying fire hydrant available near to the pond.
- Call JCB for spreading the hot powder spillage to avoid the accumulation of hot powder in the spillage chute.
- The driver should have all PPE and Pep talk should be given job start up i.e., explaining the material nature and the hazard involved in that.
- He should be in his seat while operating the JCB with all doors closed.
- The person quenching the hot powder bins should nose mask, goggles as an additional PPE as a safety measure (Kevlar suit if required).
- Quench the hot material pond until the entire material cooled.
- Once the material quenched thoroughly cleaned that pond with the JCB bucket and check the chutes for any powder accumulation.
- Clean the hot material pond completely
- Remove the barricade from the area.
- The above job carried out in the presence of Senior Company Executive.

Emergency / Emergency Shut OFF:

1. If there is any emergency Call Emergency number
233/555/9865125176/9865177444
2. If any over flow of the hot material overflows from the pond immediately stop the plant.



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Records/Annexure;

1. Refer Log book.
2. JSA is enclosed below.

JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: Kiln inlet spillage cleaning	Date: 15-May-15	Analysis by: Section Engg	Reviewed by: Section head
Title of employee doing job: company and contract labour	Supervisor: CCR officer/Production in charge	Department: Production	Section: Pyro	Approved by: Dept Head
Req'd/recommended PPE: Safety shoes, goggles, ear plug, nose mask , Cotton gloves, Helmet, Kevlar suit				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Cleaning the Hot material pond with the JCB bucket	Major injury	1. Use PPE 2. One watch person should be given instructions to driver from outside 3. JCB should be completely closed not material can enter to the driver cabin 4. JCB driver should not come out from the cabin until instruction comes from the supervisor/ JCB move away from	Opening of JCB door Material suddenly flushing.	Supervision required for driver and clear instruction should be given from outside . Driver cabin should be closed



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Poking/ Hammering the hot material chute	Major	the spot Supervisor should ensure no person allowed inside the barricaded area during the chute hammering for removing/ clearing the jam in pipe	Hot dust	Use of PPE's
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HOD PRODUCTION

HOD TECHNICAL