



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



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/PROD/23
Issued By: S & P		Approved By: Head – Production	
SOP FOR RAW MILL INLET DUCT CLEANING			

- 1. SCOPE** : This SOP is applicable to safe cleaning of the raw mill inlet duct.
- 2. RESPONSIBILITY** : HOD – Production.
- 3. AUTHORITY** : Process department

**PPE:**

1. Safety helmet,
2. Safety shoe,
3. Mask.
4. Gloves.

**Tools:**

1. Material Cleaning tools

**Hazards:**

**Risks associated**

- Injury

**Mitigating Measures**

Give Tool Box talk before doing the job.

**Training needs:**

1. Emergency preparedness



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**Procedure:**

- Use Proper PPE's.
- Use proper tools.
- Take confined space work permit.
- Proper ventilation should be there.
- 24 V voltage supply should be used, Proper illumination should be there.
- Before cleaning, material temp should be checked. Material temp should be less than 50 degc.
- Work should be performed under skilled supervision.
- Person should be healthy before doing the job.
- All the working persons should be certifying from Medical officer.
- Push the material towards reject side. And reject conveyor should be in running condition.
- Cleaned material should be sent to reject hopper / yard and sent back to Linear stacker further use .
- If there is any dust emission inside the duct, than inform to shift In charge for further action.



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**JOB SAFETY ANALYSIS:(JSA)**

<b>Job Safety Analysis</b>	Job: cleaning	Date: 01.11.13	Analysis by: Section incharge	Reviewed by: section head
Title of employee doing job: contractor	Supervisor: section incharge	Department: Process	Section: raw mill	Approved by: dept head
Req'd/recommended PPE: Safety helmet, Safety shoe, Mask & Gloves.				
<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>
Opening of the door at inlet duct	Door may fall on the legs	While opening the Inspection door; tie the door with some rope. Check the material temp before enter in to the duct.	Door may fall, Bottom material temp may higher side.	Tie the rope properly. Give PEP Talk to the people before doing the job.
Putting hand lamp	Shock	Use 24 V supply for the inlet duct cleaning.	24 V bulb may fail	Keep two light connections in the duct.
Cleaning the material	Dust inhalation/suffocation	Maintain the negative suction at inlet duct by running bag house fan.	Negative pressure may increase	Lock the bag house at sufficient negative suction.

HOD PRODUCTION

HOD TECHNICAL