



## DALMIA CEMENT (B) LIMITED – DPM



### MECHANICAL SOP

Issue No. 04	Rev. No: 00	Effective Date: 01.08.2016	SOP/MEC/
Issued By: M.R		Approved By: HOD(MECH)	
SOP for Coriolis System Dryer Inlet Filter Cleaning			

#### Scope:

This SOP is applicable for Coriolis System Dryer Inlet Filter Cleaning.

**Responsibility** : Section Engineer – Mech

**Accountability** : Section head – Mech

#### PPE:

1. Helmet,
2. Safety shoe,
3. Goggles
4. Gloves.
5. Nose mask

#### Tools:

1. Spanner set
2. Hammer

#### Hazards:

##### Risks associated

1. Body injury
2. Leg injury
3. Hand injury

##### Mitigating Measures

1. Safe and tested tools and tackles
2. On job training

#### Procedure:

1. Ensure proper work permit has taken.
2. Ensure Filter Changeover/ Shut -off Pressurized Air from pipe line.
3. Dismantling of Filter cover.
4. Take Out Filter Element.
5. Use proper personal protective Equipments.
6. Ensure proper tools and tackles.
7. Check the Filter Element Contamination, Rust, Dust etc.
8. Clean/Replace the Filter Element.
9. After thorough inspection check fix the filter element properly.
10. Fix the Filter Cover properly.
11. Remove all unwanted scrap and spillage material from the area.
12. Inform to section Engineer/Head and clear work permit.



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#### Emergency Shut- off:

1. In case of Emergency conditions Local 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 222/555/9865155288.

#### Records/Annexure:

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

#### JOB SAFETY ANALYSIS :( JSA)

<b>Job Safety Analysis</b>	Job:	Date:	Analysis by: SECTION ENGINEER	Reviewed by: SECTION HEAD
Title of employee doing job: Section Engineer	Supervisor: Section Head	Department: Mech	Section: PYRO	Approved by: HOD
Req'd/ recommended PPE: Safety helmet, Safety shoe, Gloves, Goggles, Gloves& Nose mask				
<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>
Remove Filter Cover	Leg and hand injury	Use proper tools and tackles so that fasteners will not slip	Fasteners may slip and tools may hit to the hand and leg	Ensure Use/working condition of TOOLS AND TACKLES.
Take out filters from the Dryer Unit	Leg, hand & body injury	Use goggles, proper tools & nose mask	During lowering dust may come out.	Ensure no body below the rotor assembly