



## DALMIA CEMENT (B) LIMITED – ARIYALUR



### MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/046
Issued By: M.R		Approved By: HOD Mechanical	
SOP-JSA for Vibrating Screen			

#### **Scope: VIBRATING SCREEN CHECKING**

**Responsibility:** Section Engineer

**Accountability:** Mechanical-Section Incharge

#### **PPE:**

1. Safety helmet,
2. Safety shoe,
3. Mask.
4. Gloves – Cotton knitted
5. Ear Plug
6. Safety belt
7. Goggles

#### **TOOLS:**

1. Box spanner set.
2. Ring spanner set.
3. Grease gun.
4. Local stop key.

#### **Hazard Analysis:**

##### Risks associated:

Dust emission

##### Mitigating Measures

Use Nose Make, Goggles & Ear Plug.

#### **VIBRATING SCREEN CHECKING**

1. Take the line clearance for Vibrating screen and keep in out of service from control room.
2. The line clearance paper should be with the person who is working in the site.
3. Trained Worker should be engaged for working with related PPE's.
4. Use Certified Tools & Tackles for the job
5. Open the manual door and check inside any foreign material & mesh check for any damage.
6. Check the vibrating screen discharge chute for jamming.



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7. Greasing to be done for both bearing NDE/DE
8. Check tightness of flange bolts & compression springs assembly.
9. Check the v-belt tension of drive
10. Close the inspection door of vibrating screen & its chute.
11. Clear the line clearance & remove the out of maintenance
12. Start the silo extraction system.

### Emergency / Emergency Shut OFF:

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 certificates.
2. JSA as enclosed below
- 3.

SL No	Activity			Isolation Matrix for Utility & General Equipment.							
				Isolation Type							
				Electrical Energy				Other Energy			
1	<b>Vibrating screen maintenance work</b>	Name and Tag for the Equipment		Vibrating screen	Elevator main drive	Elevator Aux drive					



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#### Job Safety Analysis:

<b>Job Safety Analysis</b>	<b>Job: Vibrating Screen Checking</b>	<b>Date: 02/11/2012</b>	<b>Analysis by: Section Engineer</b>	<b>Reviewed by: section incharge</b>
Title of employee doing job: <b>Fitter</b>	Supervisor: <b>Section Engineer (Mech.)</b>	Department: <b>Mechanical</b>	Section: <b>Packing Plant</b>	Approved by: <b>HOD Mech.</b>
Req'd /recommended PPE:				
<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>
Removing of screen top cover	Body injury	Use proper tools Lifting tools	Tools / Guard may slip	Ensure proper tools & tackles in usage
Removing the foreign material in to the wire mesh	Finger injury	Use hand gloves	Wire mesh may slip	Ensure the wearing proper PPE usage.