



**MECHANICAL SOP**

Issue No. 01	Rev. No: 02	Effective Date: 17/10/2017	SOP/MEC/66
Issued By:		Approved By: HOD Mechanical	
SOP for Screw Conveyor			

Scope: This Work Instruction applicable for Screw Conveyor

Responsibility: Technician

Accountability: Mechanical-Section Engineer

**PPE:**

1. Safety helmet
2. Safety shoe
3. Mask
4. Goggles

**TOOLS:**

**1. Required Tools**

**Hazard Analysis:**

**Risks associated:**

**Rotation of the Equipment**

**Electrical Hazard;**

**Mitigating Measures**

**Fallow Other energy LOTO**

**Adhere to LOTO**

**Training needs:**

1. Usage of tools and Nature of Hazards
2. Usage of PPEs

**Procedure:**

1. Empty out the Equipment.
2. Ensure LOTO for the Feeding equipment & conveyor to be attended
3. Check the anchor Bearing (if available) Clamps & bolts.
4. Check the vanes for cracks or wear.
5. Check the coupling Bolts/ bushes.
6. Check the oil level in the gearbox.
7. Check the all foundation bolts.
8. Check inside the any Foreign material in the conveyor.
9. Close the top cover

**Emergency / Emergency Shut OFF:**

If any injury takes place, provide First aid and inform to the Safety department or Call Emergency number 3108/9865152222



# DALMIA CEMENT (B) LIMITED – Ariyalur



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### Records/Annexure:

1. JSA is enclosed below.

### JOB SAFETY ANALYSIS:(JSA)

<b>Job Safety Analysis</b>	Job: Work Instruction for Screw Conveyor	Date: 01/09/2014	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job:	Supervisor: Section Supervisor	Department: Mechanical	Section: Plant	Approved by: HOD Mechanical
Req'd/recommended PPE: Safety helmet, Safety shoe, & Safety belt.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Jam removal / cleaning.	Entrap fingers.	Use of Proper tools / don't use hands for cleaning.	Tools & material may fall in the conveyor during work.	Ensure properly after the main task.

SL No	Activity	Isolation Type	Tag /Name of the Equipment						
			Isolation Type						
			<b>Electrical Energy</b>				<b>Other Energy</b>		
5	<b>Screw Conveyor Maintenance</b>	Name and Tag for the Equipment	Isolate the related Screw conveyor.	Isolate the PRE & Post Equipment			Isolate the pre Equipment Slide Gate		