



## DALMIA CEMENT (B) LIMITED – Dalmiapuram



### MECHANICAL SOP

Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/MEC/32
Issued By: S & P		Approved By: Head- Mech	

#### **Work Instruction 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:**

**Mitigating Measures**

**Rotation of the Equipment**

**Electrical Hazard;**

**Can be operated from remote**

**Inter lock to be ensured**

**Training needs:**

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

**Procedure:**

1. Before starting the screw conveyor ensure the top doors are closed.
2. Ensure the coupling guards are in its position.
3. Don't open the top door during the running condition.
4. Don't feed the oversize material.
5. Continually monitor the feed rate.
6. During the running condition don't walk on the top of the conveyor.
7. Ensure the mesh fixing before spillage feeding.

**Emergency / Emergency Shut OFF:**

1. If any injury is there, and inform to the Security Havildar / safety department or call  
Emergency number 516 / 222 / 523/9865177444

**Records/Annexure:**



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1. Work Instruction for Screw Conveyor
2. JSA is enclosed below.

### JOB SAFETY ANALYSIS:(JSA)

<b>Job Safety Analysis</b>	Job: Work Instruction for Screw Conveyor	Date:	Analysis by:	Reviewed by:
Title of employee doing job:	Supervisor: Section Supervisor	Department: Mechanical	Section: Plant	Approved by:
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	Hit injury	Usage of Proper tools	Screw conveyor get trip	Work started after stopped the screw conveyor
Greasing of intermediate bearing	Hit injury	Cotton waste should not used	Screw conveyor get trip	Proper hand gloves to be used

HEAD MECHANICAL

HEAD TECHNICAL