



DALMIA CEMENT (B) LIMITED – Ariyalur

MECHANICAL SOP

Issue No. 02	Rev. No: 01	Effective Date: 01/11/2019	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



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Records/Annexure:

1. JSA is enclosed below.

JOB SAFETY ANALYSIS:(JSA)

Job Safety Analysis	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						
			Electrical Energy				Other Energy		
5	Screw Conveyor Maintenance	Name and Tag for the Equipment	Isolate the related Screw conveyor.	Isolate the PRE & Post Equipment			Isolate the pre Equipment Slide Gate		