



DALMIA CEMENT (B) LIMITED – Ariyalur

MECHANICAL SOP

Issue No. 02	Rev. No: 00	Effective Date:01.11.2019	SOP/MEC/034
Issued By: M.R		Approved By: HOD-Mechanical	

SOP FOR WEIGH FEEDER PULLEY REPLACEMENT

Scope: To replace Weigh feeder pulley

Responsibility: Engineer/SH

PPE:

1. Safety helmet
2. Safety shoe
3. Safety goggles
4. Gloves

TOOLS:

1. spanner set
2. chain blocks
3. Slings
4. D-shackles

Hazard Analysis:

Risks associated:

Fall of pulley

Fall of tools,

Mitigating Measures

Use correct tools to remove and fixing

Carry the tools in tool bags

Procedure:

- a. Take LOTO for the weigh feeder
- b. Loose the Take-up bolts completely.
- c. Remove the skirt rubber and top hood.
- d. Arrange chain block.
- e. Remove old pulley with proper arrangements
- f. Change the new pulley.
- g. Arrange top hood and skirt rubber.
- h. Give proper tension by tightening the belt
- i. Remove chain block and all things.



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- j. Clear the LOTO clearance for weigh feeder drive.
- k. Intimate CCR to be in local mode and to make adjustment of belt to run at center.
- l. When belt obtain center position then instrumentation calibration has to be done.
- m. Once the calibration is completed then give clearance for sequence mode.

Emergency / Emergency Shut OFF:

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

JOB SAFETY ANALYSIS :(JSA)

JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: Weigh Feeder Belt Pulley Replacement	Date: 01/09/2014.	Analysis by: Section Engineer	Reviewed by: Section Head.
Title of employee doing job: Site in charge (Shree)	Supervisor: Section Engineer	Department: Mech.	Section: Cement Mill	Approved by: HOD-Mechanical
Req'd/recommended PPE: Safety helmet, Safety shoe, Safety goggles & Asbestos Gloves.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Removal of Safety guard, Skirt rubber, Side skirt And Support for weigh feeder	Hand injury Leg injury	Use proper lifting tools to lift the material	Material may slip during removing	Ensure the person Lifting the material as per lifting procedure
Position of the chain blocks for lifting the weigh feeder for removing old pulley and inserting new pulley	Leg and hand injury	Use correct lifting Tackles wire rope slings	Chain block may slip and fall while removing and inserting the pulley	1. Check the condition of the ropes and slings 2. Check the correct size of slings to operate/actual capacity and ensure certificate of clearance



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SL No	Activity				Tag / Name of the Equipment			
					Isolation Type			
					Electrical Energy		Other Energy	

19	Weigh Feeder Belt Replacement	<i>Name and Tag for the Equipment</i>	Related Drive	Feeding Conveyor for the same Related Hopper.						
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