



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date:17.10.2017	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)**

<b>Job Safety Analysis</b>	Job: Weigh Feeder Belt Pulley Replacement	Date: <b>01/09/2014.</b>	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

