



MECHANICAL

Issue No. 01	Rev. No: 02	Effective Date:17-10-2017	SOP/MEC/100
Issued By: MR		Approved By: HOD-Mechanical.	
MAINTENANCE OF VIBRO FEEDER			

Scope: Maintenance of Vibro feeder

Responsibility: Mechanical Section Engineer

Accountability: Mechanical-Section Manager

PPE:

1. Safety helmet,
2. Safety shoe,
3. Mask.
4. Cotton Knitted hand Gloves.
5. Ear Plug
6. Safety belt
7. Goggles

TOOLS:

1. Tool Box with Spanner set Both DE & Ring.

Hazard Analysis:

Risks associated:

Moving of the Equipment

Mitigating Measures

Lock the Movement manually & locally while requirement.

Training needs:

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

Procedure:

- a. Take electrical shutdown permit with LOTO system.
- b. The Permit Paper should be with the person who is responsible for the job.
- c. Trained Worker will be engaged for working with related PPE's.
- d. Clearing / emptying the hopper and close the door to prevent further fall of material
- e. Use certified Tool and Tackles to lock the chain block to arrest the movement of the vibro feeder.
- f. Remove the damaged/old spring and change the new one.



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- g. Check the hook condition, change if requires
- h. Provide extra certified sling for additional hanging support to vibrofeeder.
- i. Remove the chain block and open the door
- j. Clear the line clearance and trial to be take local mode
- k. Give the clearance to CCR.

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. JSA is enclosed below.

JOB SAFETY ANALYSIS :(JSA)

Job Safety Analysis	Job: Maintenance Of Vibro feeder	Date: 01/09/2014	Analysis by: Section Engineer	Reviewed by: Section Manager
Title of employee doing job: Fitter	Supervisor: Section Engineer	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
Close the feed door	Hand Injury	Use proper spanners to avoid slip	Spanners may slip and hit hands	Check the condition of the bolt ,nut and spanner
Arrest the Vibro feeder movement	Body Injury	Use proper tested Chain blocks	Chain may cut	Ensure Test certificate and Arresting Load.



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Remove the Damaged Springs	Hand Injury	Use Hand Gloves	Spring may scratch the finger	Use PPE Properly
Change the Hook If damaged	Hand Injury	Use Hand Gloves	Hook may scratch the finger	Use PPE Properly

SL NO	ACTIVITY		RVRM Isolation matrix							
			Type of isolation							
			ELECTRICAL ENERGY					OTHER ENERGY		
6	Vibro feeder Maintenance	Name and Tag for the Equipment	Isolate Vibration Motor Drive					Isolate the Spring Tension		