



DALMIA CEMENT (B) LIMITED – DPM



MECHANICAL SOP

Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/MEC/24
Issued By: S & P		Approved By: Head- Mech	
DEEP PAN CONVEYOR RAIL/ROLLERS REPLACEMENT			

Scope: Replacement of Rail / Roller for the DPC

Responsibility: General Fitter

Accountability: Mechanical-Section Engineer

PPE:

1. Safety helmet,
2. Safety shoe,
3. Hand gloves.

TOOLS:

1. Box spanner set.
2. Ring spanner set.
3. ChainBlock-2nos.
4. Wire rope slings.
5. Line dory.
6. Water level.
7. Manila / Nylon rope.
8. "D" Shackle.
9. Puller.

Hazard Analysis:

Risks associated: : Mitigating Measures

Heavy Material : Use of Chain blocks & Ropes

SOP for the replacement of the DPC Rail & Roller

- a. Empty out the material in the pans and stop the DPC.
- b. Take Electrical Shutdown for the same and for all other Incoming & Out going Equipment.
- c. Attain all the required permits (General / Hot / Height work, The Permit Papers should be with the person (fitter) working at site.
- d. Trained Worker should be engaged for working with related PPE's.
- e. Use Certified Tools & Tackles for the job.



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- f. Hang the Chain block above the bucket, tie wire sling around the buckets.
- g. Lift the buckets with the chain block.
- h. Remove & Re-fix the rail as per the center line of DPC.
- i. Remove the MS locking bolt and take out the roller from the clit with hammering slightly or by using puller.
- j. Fix the new Roller into the clit and fix the MS locking bolt.
- k. Release the chain block and cross check the sitting of the roller on the rail.
- l. Remove the chain block.
- m. Clear all the tools & Material from the spot.
- n. Take a trail run.
- o. Clear the LC and inform to the CCR.

Emergency Shut- off:

If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number - 222/9865125176/9865177444.

Records/Annexure:

- 1. Refer Line clearance certificates.
- 2. JSA as enclosed below

Job Safety Analysis	Job: Deep Pan Conveyor	Date: 30/10/2012	Analysis by: SECTION	Reviewed by: SECTION HEAD
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	Maintenance		ENGINEER	
Title of employee doing job: Fitter	Supervisor: Section Engineer(Mech.)	Department: Mechanical.	Section: Pyro. & Cement Mills	Approved by: HOD (MECH)
Req'd/recommended PPE:				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Remove or refit the rail	Rail may fall down	Use proper slings	Sling may slip	Use web slings with proper tightness.
Remove or re-fix the rail	Rail may slide	Hold with supporting rope	Rope may not hold the rail due to weight.	Hold the rope by using proper rigid support.

HEAD MECHANICAL

HEAD TECHNICAL