



## DALMIA CEMENT (B) LIMITED – ARIYALUR



### MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/001
Issued By: M.R		Approved By: HOD Mechanical	
SOP-JSA for DEEP PAN CONVEYOR			

**Scope: Replacement of Rail / Roller for the DPC**

**Responsibility: Section Engineer**

**Accountability: Mechanical-Section Incharge**

**PPE:**

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

**TOOLS:**

1. Box spanner set.
2. Ring spanner set.
3. ChainBlocks.
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

**Body Injury** : Use proper tools and tackles

### **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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<b>Job Safety Analysis</b>	Job: Deep Pan Conveyor Maintenance	Date: 01/09/2012	Analysis by: Section Engineer	Reviewed by : Section Head
Title of employee doing job: Engineer	Supervisor: Section Incharge	Department: Mechanical.	Section: Pyro. & Cement Mills	Approved by: HOD Mech.

Req'd/recommended PPE:

<b>Sequence of Basic Job Steps</b>	<b>Potential Hazards</b>	<b>Recommended Safe Job Procedure</b>	<b>What Could Go Wrong</b>	<b>Corrective Action</b>
Remove the safety guards	Leg injury	Use proper tools Lifting tools	Tools / Guard may slip	Ensure proper tools & tackles in usage
Remove or refit the rail – rail gouging	Burn Injury	Keep the working area free from flammable	Sparks may ignite the cloths / flammable material	Ensure the work man is to keep away and ensure the work area free from flammables. Check the availability of fire extinguisher
Removal of old rails	Body injury	Use proper slings	Rail / tools may slip	Use web slings with proper tightness.
Fixing of new rails	Body injury	Hold with supporting rope	Rail / Rope may slip	Hold the rope by using proper rigid support. Ensure the tools condition
Fixing the safety guards	Leg injury	Use proper tools Lifting tools	Tools / Guard may slip	Ensure proper tools & tackles in usage