



## DALMIA CEMENT (B) LIMITED – ARIYALUR

### MECHANICAL SOP

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MEC/059
Issued By: M.R		Approved By: HOD Mechanical	
SOP-JSA for DEEP PAN CONVEYOR PAN 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:**

<b>Risks associated:</b>	<b>: Mitigating Measures</b>
<b>Heavy Material</b>	<b>: Use of Chain blocks &amp; Ropes</b>

### **SOP for the replacement of the DPC PAN**

1. Take the position of bucket at tail sprocket end
2. Take the electrical work permit
3. Ensure use of PPE, hand gloves & dust mask
4. Loose the Bucket holding bolts
5. Hold the bucket while removing the bucket bolts
6. Remove the bolts & Bucket
7. Position the new bucket on the chain



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8. Fix the bucket holding bolts & tight to the torque of 100NM
9. Clear the electrical work permit
10. Take the trial run of DPC

#### 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

<b>Job Safety Analysis</b>	Job: Deep Pan Conveyor Pan Replacement	Date: 01/09/2014	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: Fitter	Supervisor: Section Engineer(Mech.)	Department: Mechanical.	Section: Pyro. & Cement Mills	Approved by: HOD Mechanical
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 or refit pan	pan may fall down	Use proper slings	Sling may slip	Use web slings with proper tightness.