



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT**  
**ARIYALUR**  
**MECHANICAL SOP**

Issue No: 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MECH/127
Issued By: M.R		Approved By: HOD - Mechanical	
SOP FOR HYDRAULIC POWER PRESS			

**Scope:**

To operate hydraulic power press for the given job

**Responsibly:**

Engineer/SH

**PPE:**

Safety helmet  
Safety shoe  
Safety Goggles

**Tools:**

Spanner set  
Surface gauge  
Lighting  
Brush  
Hydraulic jack

**Hazard Analysis:**

**Risks associated:**

1. Hot chips
2. Moving parts

**Mitigating Measures**

1. Goggles & gloves
2. Maintain distance from machine



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**Procedure:**

1. Check for the oil level in the pump through oil gauge.
2. Check all the hoses for the fittings and connecting pins
3. Keep the job piece in proper position on the base plates and maintain the center position of the jack
4. Keep proper packing's or lift the job along with the base through the lifting jack
5. Operate pump after checking all the positions and even contact
6. While job is loaded don't stand near the press, maintain the gap
7. Don't give over load to the job, maintain the pressure limitations
8. Give intermittent load within the pressure range.

**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:**

JSA as enclosed below.

**JOB SAFETY ANALYSIS: (JSA)**

<b>Job Safety Analysis</b>	Job: hydraulic power press	Date: 20.11.2014	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: Section Engineer	Supervisor: Section Head	Department: Mechanical	Section: all area	Approved by: HOD Mechanical
Req'd/recommended PPE: Helmet, Shoe, Nose mask, Cotton Gloves, Ear plug, Safety belt, Goggles				
<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>
Tools handling	Hands injury	Use Hand Gloves	Hands may injury	Use type of gloves accordingly.
Fall of small objects	Equipment damage.	Use proper Holding ropes other than lifting	Holding tool may failure..	Check physically before use
Fall of object from base/ Hanging	Equipment damage	Check the base capability for handling the same.	Hooks welding may failure	Check before hanging / using.