



## DALMIA CEMENT (B) LIMITED – ARIYALUR

### MECHANICAL

Issue No. 02	Rev. No: 00	Effective Date:01.11.2019	SOP/MEC/142
Issued By: M.R		Approved By: HOD-Mechanical	
SOP FOR HYDRAULIC PRESS OPERATION			

#### Sop for Hydraulic Press operation

**Scope:** Hydraulic Press operation.

**Responsibility:** Fitter/ Millwright Fitter / Supervisor

**Accountability:** Mechanical-Section Engineer / Section Head

#### **PPE:**

1. Safety helmet.
2. Safety shoe.
3. Nose Mask.
4. Hand Gloves.
5. Safety goggles

#### **TOOLS:**

1. Wooden packing pieces
2. Distance piece

#### **Hazard Analysis:**

##### **Risks associated:**

##### **Mitigating Measures**

Slip of tools

: Use appropriate tools

Slip of Material

: Use and hook with proper chain block & Sling

#### **Procedure:**

##### 1.PRE-Operation:

- Ensure press is in good working order without visible damage to structure or hydraulic fluid leaks.
- Ensure work piece is placed squarely on the plate.
- Clamp work piece (if appropriate).



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#### 2. Operation:

- Keep hands and body clear of press mechanism when lowering.
- Lower ram until it contacts the work piece.
- Adjust pressure of ram to desired setting.
- Identify ON/OFF switch and emergency stop button (if applicable).
- Ensure Slowly Operation by Observing the Object. & avoid Contentious Operation of Press.

#### 3. POST-Operation:

- Ensure the area is clear of other people.
- Release pressure on hydraulic press.
- Slowly raise ram and remove work piece from plate.
- Return work pieces and other items to storage area as appropriate.

#### **Emergency / Emergency Shut OFF:**

1. If any injury takes place, provide First aid and inform to the Safety department or Call Emergency number 3108/9865152222

#### **Records/Annexure:**

1. JSA as enclosed below



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#### Job Safety Analysis:

Job Safety Analysis	Job: Hydraulic                      press Operation.	Date:28.2.2018	Analysis by: Section Engineer	Reviewed by:    Section Head
Title of employee doing job: Technician	Supervisor: Section Engineer	Department: Mechanical	Section: Cement Plant	Approved by:    HOD Mechanical
Required/recommended PPE: Safety helmet, Safety shoe, & Safety belt, goggles				

Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Removal of Pin	Pin Slip / Fall	Use proper lifting tools	Failure of lifting tools	Use tested tools Deploy trained manpower.
Fixing job material	Slip / Fall	Use proper lifting tools	Failure of lifting tools	Use tested tools Deploy trained manpower.
Removing job material	Slip / Fall	Use proper lifting tools	Failure of lifting tools	Use tested tools Deploy trained manpower.