



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



Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MECH/116
Issued By: M.R		Approved By: HOD (MECHANICAL)	
SOP for Lifting tools.			

**Scope** : This SOP is applicable to Safe material handling of Lifting Tools

**Responsibility** : Section Engineer.

**Accountability** : Section Head.

**PPE:**

1. Safety helmet,
2. Safety shoe,
3. Mask.
4. Cotton Knitted hand Gloves.
5. Ear Plug
6. Goggles

**Tools:**

- Chain Blocks.
- Slings.( Wire / Web)
- “D” shackles.
- “EYE” Bolts.
- Role Pulleys.

**Hazards:**

**Risks associated**

Failure of the Tool While using

**Mitigating Measure**

Check before use physically & for certification Color code.

**Line Clearance required for:**

1. Not Applicable

**Isolation Required:**

1. Not Applicable

**Procedure:**

- Initially check for the certification /color code before accepting the tool from source.
- Check physically for the quality of the tool.
- Handle carefully to the location.



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SOP for Lifting tools.			

- Conform the base of the tool mounting capable of handling the weight to be operated.
- Use proper PPE while handling the tools.
- Engage competent man power for the work relatively.
- Handle tools carefully & any damage observed replace immediately.
- Clean and return the Tools.
- If any damage found/accorded during handling specify while return.

### **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.

### **JOB SAFETY ANALYSIS: (JSA)**

<b>Job Safety Analysis</b>	Job: Bags replacement	Date: 01 – 09 - 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.