



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

Issue No: 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MECH/126
Issued By: M.R		Approved By: HOD - Mechanical	
SOP FOR POWER HACKSAW			

Scope:

To operate power hacksaw for the given job

Responsibly:

Engineer/SH

PPE:

Safety helmet
Safety shoe
Safety Goggles

Tools:

Spanner set
Coolant
Lighting
Cutting blade
Brush

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. Keep the machine clean & lubricate .
2. Check for the flow ability of the coolant
3. Lift the frame upwards before fixing the job
4. Set the cutting limit and hydraulic pressure
5. Since the frame lifts automatically after the cutting target stay away from the frame
6. After starting the machine apply pressure
7. Don't remove the job or completed piece while the machine is running

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. JSA as enclosed below.

JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: power hacksaw	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				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
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.