



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



Issue No: 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MECH/128
Issued By: M.R		Approved By: HOD - Mechanical	
SOP FOR SHAPING OPERATION			

Scope:

To operate the shaping for machine the given job

Responsibly:

Engineer/SH

PPE:

Safety helmet
Safety shoe
Safety Goggles

Tools:

Spanner set
Surface gauge
Coolant
Lighting
Cutting tools
Brush
Spanner set

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. Clean and lubricate machine wherever necessary
2. Positing the job in the vice and hold firmly
3. Set up the Ram stroke as per the requirement
4. Keep all bolts tightened before starting the operation
5. Maintain the distance away from the tool
6. Use appropriate speed as per the material of the job
7. Start the lubrication oil pump when the machine is running
8. Adjust tool post carefully while depth feeding
9. Do not touch the job with bare hands
10. Use coolant oil wherever necessary
11. While removing the job switch off the machine and keep the clutch in neutral position.

Emergency / Emergency Shut OFF:

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



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Records/Annexure:

JSA as enclosed below.

JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: Shaping operation	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
Required/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.