



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17/10/2017	SOP/MEC/84
Issued By:		Approved By: HOD Mechanical	
SOP-JSA for Air blaster maintenance			

**Scope:** Air blaster usage and Maintenance

**Responsibility:** Maintenance Technician

**Accountability:** Mechanical-Section Engineer

**PPE:**

1. Safety helmet,
2. Safety shoe,
3. Face Mask,
4. Safety belt.

**TOOLS:**

1. Required Tools

**Hazard Analysis:**

**Risks associated:**

Inherent air in the line

**Mitigation Method**

Disconnect the air line & Empty out the blaster

**Procedure:**

1. LOTO from Mechanical/ Instrumentation for air supply & solenoid valve power supply.
2. By manual operation, operating the blaster and making sure of emptying of cylinder.
3. Blaster maintenance to be carried out.
4. Dismantle the blaster components.
5. Check the Seals of the piston.
6. Check the piston for scoring, if it so replace the same.
7. Check Pressure relief valve, cleaning & Set point.
8. Clearing area and returning LOTO
9. Opening the air line valve and Taking trial run.

**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 is enclosed below.



# DALMIA CEMENT (B) LIMITED -Ariyalur



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<b>Job Safety Analysis</b>	Job: Maint. of Air Blaster	Date: 01/09/2014	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job:	Supervisor: Section Engineer	Department: Mechanical	Section: Mechanical	Approved by: HOD Mechanical
Req'd /recommended PPE: Insulated Tools, Safety shoes				
<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>
Inherent air in the blaster	Air Blaster can function during maintenance.	It should be empty out.	Leakage in air line	Disconnect the Air line.
Height work	Fall	Use Double lanyard Full body Safety harness.	May fail	Check before use, Wear properly.



SL No	Activity		Isolation Matrix for Preheater									
			Isolation Type									
			<b>Electrical Energy</b>					<b>Other Energy</b>				
5	<b>Air Blaster Maintenance</b>	Name and Tag for the Equipment	<b>Isolate the Respective Solenoid Valve</b>						<b>Isolate the Air Valve</b>	<b>Di-presurise &amp; Disconnect the Air supply pipe.</b>		