



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/107
Issued By: M.R		Approved By: HOD Mechanical	
MAINTENANCE OF AIR BLASTER			

Scope:

This SOP is applicable for Air blaster maintenance

Responsibility : Section Engineer – Mech

Accountability : Section head – Mech

PPE:

1. Helmet,
2. Safety shoe,
3. Goggles
4. Gloves.
5. Nose mask
6. Full body harness

Tools:

1. Spanner set
2. Hammer

Hazards:

Risks associated

1. Hand injury

Mitigating Measures

1. Safe and tested tools and tackles
2. on job training



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Isolation matrix:

Sl: No	Activity	Description	Other Energy	
1	Air blaster maintenance	Name and Tag for the Equipment	Inlet air blasters Compressor air Valve to be Closed & locked	Air in the Header to be released

SOP

1. Inform to CCR.
2. Take appropriate work permit.
3. Trained workers will be engaged for working with related PPE's.
4. Close the air valve for particular air blaster and depressurized the system(weight for empty out of air tank)
5. Remove air hoses from the tank
6. Remove valve,seal,seal piston etc. damage part and replace by new parts
7. Assemble parts and refix the same and connect air hoses
8. Weight for buildup the air pressure and take trail.
9. Give clearance to CCR



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Emergency / Emergency Shut OFF:

1. If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number 3108/9865152222.

Records/Annexure:

1. Refer Line clearance/permit in mech department.

JSA is enclosed below

JOB SAFETY ANALYSIS :(JSA)

Job Safety Analysis	Job:	Date: 01/09/2014	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: Section Engineer	Supervisor: Section Head	Department: MECH	Section: PYRO	Approved by: HOD Mechanical
Req'd/ recommended PPE: Safety helmet, Safety shoe, Gloves, Goggles, Gloves, Nose mask & Full body harness				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Dismantling of the Air blaster	Head injury	Pressure in the blaster tank to be made zero before dismantling	If pressure remain in the system, while dismantling due to spring action cover may hit the person head	Ensure gauge pressure is zero & after that operate the blaster for 2/3 times.
Opening & closing of top cover	Hand injury	Use proper tools and tackles so that fasteners will not slip	Fasteners may slip and tools may hit to the hand and leg	Ensure Use/working condition of TOOLS AND TACKLES



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Isolation Matrix :

S L N o	Activity			Tag / Name of the Equipment							
				Isolation Type							
				Electrical Energy				Other Energy			
1	Air blaster	Name and Tag for the Equipment						Off the air blaster air valve	Compressor air line valve off		