



## DALMIA CEMENT (B) LIMITED – ARIYALUR



### MECHANICAL SOP

Issue No. 01	Rev. No: 00	Effective Date: 10.07.2015	SOP/MEC/130
Issued By: M.R		Approved By:	
LIQUID AFR NOZZLE JAM CLEANING WORK			

### SOP FOR LIQUID AFR NOZZLE JAM CLEANING WORK

#### Scope:

This SOP is applicable for liquid AFR nozzle jam cleaning work safely.

**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
3. Chisel

#### Hazards:

##### Risks associated

1. Body injury
2. Leg injury
3. 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	Electrical Energy	Other Energy	
1	Liquid AFR nozzle jam cleaning work	Name and Tag for the Equipment	NA	Air blaster compressor line	Liquid AFR feeding Valve

### SOP

1. Take energy isolation as per the above matrix
2. Take the general work Permit.
3. Use PPE'S while working.
4. Close the liquid AFR feeding valve in second floor.
5. Open the return line to tank near the pump.
6. Take out & clean the nozzle.
7. After cleaning put back inside the PC.
8. Close the permit & clear the energy isolation.
9. Ensure the air blaster valves are opened & no spillage in the flange.



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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: 10/7/2015	Analysis by: P.ADHAVAN	Reviewed by: G.SHANKARAPPA
Title of employee doing job: Section Engineer	Supervisor: Section Head	Department: MECH	Section: PYRO	Approved by:
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
1.Take out & clean the nozzle  2.Cleaning put back inside the PC	Health, Leg and 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.
	Health, Leg and hand injury	Close the compressor valve	Material may spill through nozzle opening due to blaster operation	Ensure blaster inlet compressor line close & lock
	Health, Leg and hand injury	Use hand gloves, nose mask and goggles	Material may spill	Ensure usage of PPE