



DALMIA CEMENT (B) LIMITED – ARIYALUR MECHANICAL SOP

Issue No. 02	Rev. No:00	Effective Date: 01/11/2019	SOP/MECH/106
Issued By: M.R		Approved By: HOD Mechanical	
SOP for Process Fans Maintenance			

Scope:

This SOP is applicable for Safe working on process Fans

Responsibility : Section Engineer – Mech.

Accountability : Section head – Mech

PPE:

1. Helmet,
2. Safety shoe,
3. Gloves.

Tools:

1. Spanner set
2. Hammer

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

Training needs:

Emergency preparedness

Procedure:

1. Use Proper PPE & tools
2. Take general work permit from concern dept as per the work condition.
3. Check the tools working condition before start up the job.
4. Open the inspection door .
5. Check the fan impeller coating . if coating same to be removed
6. Check the fan bearing clearance and lock nut tightness
7. Check the tightness of foundation bolts Do not use hand or leg to push or pull the idler frame.
8. Check the impeller and cone gap
9. Close the inspection doors tightly



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10. Return the permits to the concern engineer.

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. Refer Line clearance/permit in mech department.
2. JSA is enclosed below.

JOB SAFETY ANALYSIS :(JSA)

Job Safety Analysis	Job: Process Fans maintenance	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,				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action

Observe the fan while running	hand injury	Don't kept hands on the running fan	Persons may unknowingly put the hands in the running fan	Watch from 1 foot away.
Impeller coating removal	Head and body injury	Use proper tools and tackles so that coating material not hit	Fasteners may slip and tools may hit to the hand and leg	Ensure use/working condition of tools and tackles
Tightening of bolts bolts	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



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SL No	Activity			Tag / Name of the Equipment									
				Isolation Type									
				Electrical Energy						Other Energy			
1	Process Fans Maintenance	<i>Name and Tag for the Equipment</i>	Fan Drive	Incoming Equipment & Dampers	Outgoing Equipment & dampers								