



DALMIA CEMENT (B) LIMITED –Ariyalur

MECHANICAL SOP

Issue No. 02	Rev. No: 00	Effective Date: 01/11/2019	SOP/MEC/042
Issued By: M.R		Approved By: HOD-Mechanical.	
RABH DP High			

Scope: Maintenance in RABH while DP is high

Responsibility: General Fitter/ Millwright Fitter / Supervisor

Accountability: Mechanical-Section Engineer / Section Head

PPE:

1. Safety helmet.
2. Safety shoe.
3. Nose Mask.
4. Hand Gloves.

TOOLS:

1. Box spanner set.
2. Ring spanner set.

Hazard Analysis:

Risks associated:

Mitigating Measures

Material or Gases entry	: Ensure all material incoming Drives & Ducts Isolated.
Oxygen deficiency	: Confined space permit is essential to enter in to the RABH.
Heat	: Confined space permit is essential to enter in to the RABH

Procedure:

1. Check the compressor air pressure(5-7 kg/sq.cm) for poppet valve operation
2. Check the leakages in doors and joints if so arrest the same with proper sealants
3. check the cylinder guide plate for free movement of cylinder
4. Check the operating of all cylinders
5. Check the Sequence of all poppet valve cylinders
6. Check for Bags Coating
7. Check for Solenoid valve condition/operation
8. Check for Poppet damper closing percentage(can be done only in shut down)



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9. Check for Ducts plugged with dust

10. RA fan damper closed physically due to slip of joints

11. Check for outlet Dampers may have closed

Emergency / Emergency Shut OFF:

1. 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 certificates.
2. JSA as enclosed below

Job Safety Analysis	Job: RABH DP High	Date: 01/09/2014	Analysis by: Section Engineer	Analysis by: Section Engineer
Title of employee doing job:	Supervisor: Section Engineer	Department: Mechanical	Section: RVRM	Approved by: HOD-Mechanical.
Req'd/recommended PPE:				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Cool The RABH chamber for inspection	For cooling the mill Doors to be kept in open condition.	Barricade the inspection doors Way	Heavy suction from the doors may suck you or your belonging	Keep yourself away from the Inspection doors during Cooling - Fan running condition
RABH Internals Inspection	Burning injury	Always use hand Glove(must) during internals inspection	Other parts of the Body may touch with Hot surfaces of the mill	Competent person only allowed for Mill inspection.



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Isolation Matrix:

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S. No	Activity				Tag / Name of the Equipment	
					Isolation Type	
					Electrical Energy	Other Energy

1	RAW MILL BAG HOUSE INSPECTION (OFF LINE INSPECTION)	NAME AND TAG FOR THE EQUIPMENT	421FN1 RAW MILL BAG HOUSE FAN	361LD3 BY-PASS DUCT DAMPER IN CLOSED CONDITION	361FN3 RAW MILL FAN	POPPET DAMPERS COMPRESSOR COMMON AIR LINE VALVE TO BE CLOSED
			421FN2 REVERSE AIR FAN	BAG HOUSE BOTTOM ROTARY AIR LOCK		