



DALMIA CEMENT (B) LIMITED –DPM



MECHANICAL SOP

Issue No. 01	Rev. No: 00	Effective Date: 01.07.2016	SOP/MEC/
Issued By: M.R		Approved By: HOD (MECH)	
SOP for Coriolis System Multicell Internal Inspection			

Scope:

This SOP is applicable for Coriolis System Multicell Internal Inspection and Cleaning safely.

Responsibility : Section Engineer – Mech

Accountability : Section head – Mech

PPE:

1. Helmet,
2. Safety shoe,
3. Goggles
4. Gloves.
5. Nose mask

Tools:

1. Spanner set
2. Hammer
3. Torch light

Hazards:

Risks associated

1. Fall of Material from Bin
2. Body injury
3. Leg injury
4. Hand injury

Mitigating Measures

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



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Isolation matrix:

1. Energy Isolation of Coriolis System –Agitator Drive, Multicore, Multi Cell
2. Mechanical Isolation/Closing of Pneumatic Gates of Coal Bin bottom.

Procedure:

a) Dismantling of Inspection Door:

1. Take proper work permit as per work standards.
2. Ensure Pneumatic Feed/Inlet Gate above the Agitator bin is closed.
3. Ensure Multicell is empty or clear the material before going inspection.
4. Dismantle the Inspection Door of Agitator Bin.
5. Check Any Material Accumulation /Coating.
6. Remove Material Accumulation /Coatings ,foreign material etc.,
7. Inspect Multicell internals.
8. Close The Inspection Door.
9. Ensure Proper/Leak- Proof Tightening of Door.
10. Confirm process personnel and Clear Isolation Matrix.
11. Clear the work permit and inform to section Engineer/Section Head.

Emergency Shut- off:

1. In case of Agitator is moving, Emergency switch should be activated by the person.
2. If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number 555/222/9865155288.

Records/Annexure:

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



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JOB SAFETY ANALYSIS :(JSA)

Job Safety Analysis	Job:	Date:	Analysis by:	Reviewed by:
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				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Dismantling Of Inspection Door.	Sudden Fall of Material From Bin	Ensure Inlet/Feed Gates are in closed condition	Surge of material from bin and falling on working personnel	Ensure EIP and feeding systems are off/closed.
Inspection Inside The Multicell	Leg, hand & body injury	Ensure LOTO before doing Inspection	If Multicell is getting ON and Rotate injury will Happen to person.	Ensure Proper Energy Isolation Matrix followed.