



MECHANICAL SOP

Issue No. 01	Rev. No: 00	Effective Date: 15.5.2018	SOP/MEC/158
Issued By: M.R		Approved By: HOD-Mechanical.	
Bag filter DP monitoring			

Scope: Bag filter DP monitoring

Responsibility: General Fitter / Shift operation 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.
3. Hammer

Hazard Analysis:

Risks associated:

Mitigating Measures

Fall from height	: Height work permit is essential & ensure the full body harness
Air Impingement	: Ensure the air pressure at line
Heat	: Ensure the gas & material temperature in physically

Procedure:

1. Check the compressor air pressure(5-7 kg/sq.cm) for purging solenoid operation
2. Check the leakages in doors and joints if so arrest the same with proper sealants
3. Check the air leakages at individual solenoid valve line.
4. Check the Differential Pressure of bag filters depend up on in site condition.
5. Check the Sequence of all purging solenoid
6. Check the FRL filter condition.
7. Check for Bags Coating



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8. Check for Solenoid valve condition/operation
9. Check for fan inlet damper opening /closing percentage
10. Check for bag filter inlet Dampers may have close/open
11. RAL discharge jam condition
12. Check for hopper jam condition

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: Bag filter DP monitoring	Date: 15/05/2018	Analysis by: Section Engineer	Analysis by: Section Engineer
Title of employee doing job:	Supervisor: Section Engineer	Department: Mechanical	Section: ALL SECTION	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
Ensure the bag filter running condition with fan speed	Air leakages & material leakages	Always use safety goggles & ear plug cut off the main line valve	Heavy leakages may make injuries on your body	Keep yourself away from the leakages area
Bag filter hopper Internals Inspection	Burning injury	Always use hand Glove(must) during internals inspection	Other parts of the Body may touch with Hot surfaces of the hopper area	Competent person only allowed for bag filter checks

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Isolation Matrix:

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