



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
DALMIAPURAM**



Issue No. 01	Rev. No: 00	Effective Date: 01.03.2016	SOP/Mech /62
Issued By: S & P		Approved By: (HOD)Mechanical	
SOP Bag filter Cages inspection, changing			

Scope/Purpose : This SOP is applicable for Bag filter Cages inspection, changing

Responsibility : Section Supervisor – Mechanical

Accountability : Section Head - Mechanical

PPE:

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

Tools:

1. Tool Box
2. Spanners
3. Screw Drivers
4. Hammer
5. Special clamp tool for bag/cage removal(if any)

Hazard Analysis:

Risks associated

Dust Emission
Injury due to bag removal
Probability of fire(if coal bagfilter)

Mitigating Measures

Ensure wearing of ppe's
Ensure proper handling of bag while removal
Ensure fire extinguisher

Training needs:

1. Emergency Preparedness
2. Training of how to Remove and fixing of bagfilter cages properly seated

Procedure:

- a) Get work permit from the concerned Mechanical Section Supervisor.
- b) Ensure Power circuit of associated machineries in Switched OFF condition and remove cable if any
- c) Ensure Compressed Air pipe lines are de-pressurized and vales are OFF/closed.



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- d) Open the bagfilter inspection door and check any material accumulation on tube sheet.
- e) Dismantle compressed air purging pipes.
- f) Clean the accumulate material on tube sheet
- g) Check cage seeing inside or take out /dismount from bagfilter and remove bags by proper holding tools.
- h) Change new cage if any eroded, bent /damage.
- i) Insert the cage to bag and ensure proper seating with bag and tube sheet.
- j) Ensure proper holding arrangement of bags.
- k) Fix the purging pipe properly and ensure the direction of air nozzles towards down the bag.
- l) Close the inspection door properly.
- m) Open/ON the compressed air pipe line valves.
- n) Return the work permit to concerned engineer.

Emergency / Emergency Shut OFF:

1. If any injury is there, inform to the Mechanical Shift Engineer (552 / 9865265203) or Safety Department (523) or call Emergency number 9865160055

Records/Annexure:

1. JSA is enclosed below.



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JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: Bag filter Cages inspection, changing	Date: 18.11.2015	Analysis by: Gopalakrishnan	Reviewed by:
Title of employee doing job: Khalasy	Supervisor: Section Supervisor	Department: Mechanical	Section:	Approved by:
Req'd/recommended PPE: Safety Shoe, Safety Helmet, Goggles, and Nose Mask & Gloves.				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Fixing/Removal Cages	Injury due to special tools for removal of bags	Ensure proper handling of tools and ppe's	Damaged Tools	Periodic inspection & Replacement, ensure wearing of ppe's