



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



Issue No. 01	Rev. No: 00	Effective Date: 01.03.2016	SOP/Mech /61
Issued By: S & P		Approved By: (HOD)Mechanical	
SOP Bag filter bags inspection, changing			

**Scope/Purpose** : This SOP is applicable for Bag filter bags 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 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 bags 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 bags seeing inside or take out /dismount from bagfilter and cage by proper holding tools.
- h) Change bags if any puncture/damage.
- i) Fix the bag and ensure proper seating with cage 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)**

<b>Job Safety Analysis</b>	Job: Bag filter bags 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.				
<b>Sequence of Basic Job Steps</b>	<b>Potential Hazards</b>	<b>Recommended Safe Job Procedure</b>	<b>What Could Go Wrong</b>	<b>Corrective Action</b>
Fixing/Removal Bags	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