



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



Issue No. 01	Rev. No: 00	Effective Date: 25.05.2016	SOP/INST/11
Issued By: S & P		Approved By: HOD-INSTRUMENTATION	
SOP For Maintenance Of Dust monitors			

Scope/Purpose : This SOP is applicable to maintain BHA Dust monitor

Responsibility : Instrument Mechanic / Supervisor

Accountability : Section In-Charge

PPE:

1. Hand gloves
2. Safety Shoes

Tools:

1. Insulated Spanners / Tools
2. Multimeter / Calibrators

Hazard Analysis:

Risks associated

Electric shock

Mitigating Measures

Usage of Insulated tools and Safety shoes

Training needs:

1. First aid procedure
2. Calibration procedures

Procedures

External cleaning of transmitter and receiver are to be carried out (or)

In case the Instrument is not working or faulty, proceed as mentioned below

1. Get work permit and line clearance from CCR if required.
2. Switch OFF the Blower.
3. Remove the transmitter and receiver from the flange and clean with cloth gently.
4. Refix the transmitter and receiver properly in the flange and check for the alignment.



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5. Troubles shoot / repair the fault using the user manual as a guide.
6. Replace the faulty Electronic Card / Component.
7. Switch ON the blower.
8. Check the mA output by multi meter and cross check with CCR.
9. Inform CCR or Section In charge about the completion of the work.

Emergency / Emergency Shut OFF:

1. If any unconsciousness is there, give First aid and inform to the Safety department or Call Emergency number 222/233/9865155288

Records/Annexure:

1. JSA is enclosed below.

JOB SAFETY ANALYSIS: (JSA)

Job Safety Analysis	Job: Maint. of dust monitor	Date: 25.05.2016	Analysis by: Section Incharge	Reviewed by: Section Head
Title of employee doing job: Instrument Mechanic	Supervisor: Section Engineer	Department: Instrumentation	Section: Instrument Lab	Approved by: HOD - Instrumentation
Req'd/recommended PPE: Insulated Tools, Safety shoes				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Switch ON the connected circuit	Electric shock	Ensure proper wiring & connections	Wrong connections	Wiring as per the drawing & ensure trip protection
Touching the connected probes / instruments	Electric shock	Switch OFF the circuit before touching	Electrostatic discharge / Improper electrical insulation	Discharge time to be maintained for capacitors / Use of proper instruments