



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



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/MECH/21
Issued By: S & P		Approved By: Head – Mech	
SOP FOR CLEANING OF ROOF SHEETS			

Scope/Purpose : This SOP is applicable to Safe working for roof sheet cleaning

Responsibility : Engineer – Mech

Accountability : Dept.HOD / Site Engineer

PPE:

1. Safety helmet,
2. Safety shoes,
3. Safety Harness
4. Face mask
5. Goggles

Tools:

1. Showel
2. Mallet
3. Compressor air at 3 bar pressure and suitable hose
4. Brooms
5. Empty bags & rope
6. Spade
7. Roof walk ladder
8. Life lines tied across structural members

Hazard Analysis:

Risks associated

Cut injury,
Fall from height
Fall of material

Mitigating Measures

Usage of proper tool / PPE
Use roof walk ladder/Life lines/Retractable fall arrestors

Training needs:

1. Usage of tools & PPE
2. Working at height
3. Compressor air usage
4. Life line usage
5. Electric breaker



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



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/MECH/21
Issued By: S & P		Approved By: Head – Mech	
SOP FOR CLEANING OF ROOF SHEETS			

Procedure:

1. Use Proper PPE & tools
2. Take proper work permit from Concerned dept as per the work condition.
3. Barricade the area below the roof to prevent people moving in that area
4. Before starting of work, Civil /safety department personnel should ensure that proper scaffolding is done
5. Life line to be provided and to be checked by safety dept
6. While walking on roof, person should use roof walk ladder and safety harness with life line.
7. Safety belt to be properly hooked to life line or anchor point
8. Cleaning the roof with mallet to dislodge the set material
9. Dislodged material to be collected in empty polythene bags & to be shifted to ground
10. Fine dust to be cleaned using Hand Blower
11. After completion of a day's work, it should be ensured that no loose material/tools are left in the roof
12. After completion of the work, life line, roof ladder, scaffolding, barricade etc to be removed.
13. All roof sheet cleaning to be carried out every year
14. DCBL standards & procedures for scaffolding and working at height has to be followed in respective work activities .

Emergency / Emergency Shut OFF:

1. If cut or fall injury is there, First aid should be given and Safety department to be informed. Call Emergency number 222/555/523/9865177444/9865195111.

Records/Annexure:

1. Refer roof sheet cleaning schedule
2. Hazard identification sheet is enclosed below.



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



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/MECH/21
Issued By: S & P		Approved By: Head – Mech	
SOP FOR CLEANING OF ROOF SHEETS			

Hazard Identification:

Hazard Identification	Job: Roof sheets cleaning	Date: 01.01.2013	Analysis by: Mech / Civil dept.	Reviewed by: Safety dept.
Title of employee doing job: Contract labour	Supervisor: Section Engineer	Department: Mech	Section: Plant	Approved by: Unit Head
Req'd/recommended PPE: Safety helmet, Safety shoes, Safety belt, Face mask & Goggles				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Climbing to the roof using ladder or scaffolding	Slip / fall	Use proper stairs or scaffold	Slip / fall	Trained person to be engaged
Tieing the life line & roof ladder	Slip / fall	Use proper tools	Slip / fall	Trained persons to be engaged
Cleaning the roof sheet	Fall /Injury	Usage safety belt tied with life line & usage of other recommend PPEs	Sheet damage and cause injury	Modest usage of mallet & ensuring person is moving on top of purling
Collecting the cleaned material in polythene bags & bringing it to the ground floor	Slip of loose material and slip of material collected in bag	Bringing down the material only in the barricaded area with proper rope	Fall of material & bag tear	Good condition bags /rope to be used and mouth of bags to be tied properly
Electric operated breaker /Hand blower used at hard material deposit area	Electrocution	Inspected by concern dept and safety dept. personal	Cables & plug top damage	Every day it should be checked and replaced the damaged accessories

HEAD MECHANICAL

HEAD TECHNICAL