



DALMIA CEMENT (B) LIMITED –ARIYALUR
MECH DEPARTMENT



Issue No. 01

Rev. No: 02

Effective Date: 17.10.2017

SOP/MECH/119

Issued By: M.R

Approved By: HOD (MECH)

SOP FOR CLEANING/REPLACEMENT OF ROOF SHEETS

Scope:

This SOP is applicable for REPLACEMENT OF ROOF SHEETS.

Responsibility : Section Engineer – Mech.

Accountability : Section head – Mech.

PPE:

1. Helmet,
2. Safety shoe,
3. Goggles
4. Gloves.
5. Nose mask
6. Full body harness

Tools:

1. Spanner set
2. J-Bolt

Hazards:

Risks associated

1. Body injury
2. Leg injury
3. Hand injury

Mitigating Measures

1. Safe and tested tools and tackles
2. On job training



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Procedure:

1. Take Work permit (General / Height /Hot /Confined space work) from concerned dept as per the work condition .The Permit Papers should be with the person (fitter) working at site.
2. Trained Worker should be engaged for working with related PPE”s.
3. Use Certified Tools & Tackles for the job.
4. Barricade the area below the roof to prevent people moving in that area
5. Before starting of work, Competent person to be certified the scaffolding ensure that proper scaffolding is done
6. Life line to be provided and to be checked by safety dept.
7. While walking on roof, person should use roof walk ladder and safety harness with life line.
8. Safety belt to be properly hooked to life line or anchor point
9. Cleaning the roof with mallet to dislodge the set material
10. Dislodged material to be collected in empty polythene bags & to be shifted to ground
11. Fine dust to be cleaned using Hand Blower
12. After completion of a day’s work, it should be ensured that no loose material/tools are left in the roof
13. After completion of the work, life line, roof ladder, scaffolding, barricade etc to be removed.
14. All roof sheet cleaning to be carried out once in every Five years or depending upon site requirement
15. While replacing the roof sheet, same safety preparedness for cleaning the roof sheets to be followed
16. While lifting or lowering the sheets, sheets should be properly tied to the rope
17. DCBL standards & procedures for scaffolding and working at height have to be followed in respective work activities.



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Emergency / Emergency Shut OFF:

If body injury is there, First aid will be given and inform to the Safety department or
Call Emergency number 3108/9865152222

Job Safety Analysis	Job:	Date: 01/09/2014	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: Section Engineer	Supervisor: Section Head	Department: MECH	Section: PYRO	Approved by: HOD Mechanical
Req'd/ recommended PPE: Safety helmet, Safety shoe, Gloves, Goggles, & Full body harness				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Scaffolding for Changing the roof sheet replacement.	Leg and hand injury	Use proper scaffolding material and full body harness	Person may fall / scaffolding may collapse	Ensure the proper scaffolding material, certification by competent person and usage of full body harness
Cleaning the roof sheet	Leg, hand injury & Health injury	full body harness ,Use goggles & nose mask	Dusty area (Rawmeal fines) may leads to suffocation & eye problem	Ensure Use of goggles & nose mask
Replacing the roof sheet	Leg, hand & body injury	Tied with proper rope	It may fallen	Ensure proper hook & etc