



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/114
Issued By: M.R		Approved By: HOD Mechanical	
Hoist maintenance			

Scope: maintenance of hoist

Responsibility: Section Engineer

Accountability: Mechanical-Section IN charge

PPE:

1. Safety helmet
2. Safety shoe
3. Hand gloves
4. Safety belt

TOOLS:

1. Box spanner set.
2. Ring spanner set.
3. Hammer
4. Screw Driver

Hazard Analysis:

Risks associated : Mitigating Measures

Body Injury : Use proper tools and tackles

SOP FOR MAINTENANCE OF WIRE ROPE

1. Use ppe's while working
2. Check the Condition of wire rope
3. Grease the wire rope periodically -6 months once for Preventing the life of the rope

For Replacing the Wire Rope :

4. Take electrical shutdown permit LOTO system
5. The permit paper Should be with the person who is responsible for the job
6. Trained worker Will be Engaged for working with related PPE's



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7. Remove the damaged wire rope & lay the new rope in perfect manner
8. If hook is not good condition -replace with new
9. Clamp the wire rope near the drum with clamps -3 nos for safe purpose
10. Clear the shut down and
11. Take the trail in inching mode

FOR HOOK MAINTENCE :

12. Periodically grease the hook bearing and check for free rotation
13. Always keep the hook latch in good condition for safety lifting
14. Take trial in local for building up of pressure.
15. Clean the area after completion of work

Emergency / Emergency Shut OFF:

1. If any injury takes place, provide First aid and inform to the Safety department or Call Emergency number 3108/9865152222

Records/Annexure:

1. Refer Line clearance certificates.
2. JSA as enclosed below



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SL No	Activity			Isolation Matrix for Utility & General Equipment.							
				Isolation Type							
				Electrical Energy				Other Energy			
	Hoist Maintenance	Name and Tag for the Equipment		Hoist				Wheel bottom back Stop			

Job Safety Analysis	Job: Hoist Maintenance	Date: 17/10/2017	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: Engineer	Supervisor: Section In charge	Department: Mechanical.	Section: Crusher,RMH,RVR M ,Pyro.,CVRM & PP	Approved by: HOD Mech.
Req'd/recommended PPE:				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Wire rope removal and fixing	Hand Injury	Use Proper Tool	Tools may slip	Ensure proper and certified tools usage
Hook Latch Checking	Hand Injury	Use proper Hand gloves,	Hand May Got Stuck-up	avoid finger insertion in less gap areas