



DALMIA CEMENT (B) LIMITED – ARIYALUR

MECHANICAL

Issue No. 02

Rev. No: 00

Effective Date:01.11.2019

SOP/MEC/143

Issued By: M.R

Approved By: HOD-Mechanical

SOP FOR INSPECT THE CHAIN BLOCK OPERATION

Sop for inspect Chain block

Scope : This SOP is applicable for inspect Chain block

Responsibility : Tool room operator

Accountability : Section Engineer.

PPE:

1. Safety helmet,
2. Safety shoe
3. Safety Belt
4. Nose Mask.
5. Asbestos Gloves.

Training needs:

1. Emergency preparedness

Procedure:

- 1) Check that chain is properly seated in sheaves and that chain is not twisted, kinked, or damaged.
- 2) Inspect Load Chain contact points for excessive wear.
- 3) Check for cuts, cracks or worn places.
- 4) Look for any deformation in the top and bottom hook.
- 5) Reject the chain block (Do not return it & Ensure It should be Blocked from Usage at site) if the bottom hook is missing
- 6) Check that the bottom hook will reach its lowest point without running the chain fully out.



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- 7) Check for oil or grease to come into contact with the brake pad.
- 8) Check the operation of the brake before making the lift.
- 9) Check the load chain travel path is clear.
- 10) Ensure not to remove guards, protective covers, weather proof covers, heat shields etc by the Competent Person only.
- 11) Check and replace the safety latch on top and bottom hook if it is not working properly
- 12) Store and handle chain blocks correctly.

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. JSA as enclosed below

Job Safety Analysis:

Job Safety Analysis	Job: Maintenance of Pump	Date:28.2.2018	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: Technician	Supervisor: Section Engineer	Department: Mechanical	Section: Cement Plant	Approved by: HOD Mechanical
Required/recommended PPE: Safety helmet, Safety shoe, & Safety belt, goggles				
Sequence of Basic Job	Potential Hazards	Recommended Safe	What Could Go	Corrective Action



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Steps		Job Procedure	Wrong	
Shifting chain block	Slip / Fall	Use proper lifting tools	Failure of lifting tools	Use tested tools Deploy trained manpower.
Fixing Chain block	Slip / Fall	Use proper lifting tools	Failure of lifting tools	Use tested tools Deploy trained manpower.
Removing Chain blockl	Slip / Fall	Use proper lifting tools	Failure of lifting tools	Use tested tools Deploy trained manpower.



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