



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL SOP

| | | | |
|--|-------------|-----------------------------|-------------|
| Issue No. 01 | Rev. No: 02 | Effective Date: 17.10.2017 | SOP/MEC/056 |
| Issued By: M.R | | Approved By: HOD Mechanical | |
| VIBRATING SCREEN INLET & OUTLET EXPANSION JOINT REPLACEMENT. | | | |

Scope: VIBRATING SCREEN EXPANSION JOINT REPLACEMENT

Responsibility: Section Engineer

Accountability: Mechanical-Section Incharge

PPE:

1. Safety helmet,
2. Safety shoe,
3. Mask.
4. Gloves – Cotton knitted
5. Ear Plug
6. Safety belt
7. Goggles

TOOLS:

1. Box spanner set.
2. Ring spanner set.
3. Grease gun.
4. Local stop key.

Hazard Analysis:

Risks associated:

Dust emission

Mitigating Measures

Use Nose Make, Goggles & Ear Plug.

Vibrating screen inlet & outlet expansion joint replacement

- 1) Take the line clearance for Vibrating screen and keep in out of service from control room.
- 2) The line clearance paper should be with the person who is working in the site.
- 3) Trained Worker should be engaged for working with related PPE's.
- 4) Use Certified Tools & Tackles for the job
- 5) Remove the inlet/outlet expansion joint cloth clamp with bolts.



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- 6) Fix the new expansion joint cloth with clamping arrangement.
- 7) Fix the clamp bolts.
- 8) Clear the Line clearance and take trial.

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
- 3.

| SL No | Activity | | Isolation Matrix for Utility & General Equipment. | | | | | | |
|-------|-----------------------------------|--------------------------------|---|---------------------|--------------------|--------------|--|--|--|
| | | | Isolation Type | | | | | | |
| | | | Electrical Energy | | | Other Energy | | | |
| 1 | Vibrating screen maintenance work | Name and Tag for the Equipment | Vibrating screen | Elevator main drive | Elevator Aux drive | | | | |



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Job Safety Analysis:

| Job Safety Analysis | Job: Vibrating Screen Expansion joint replacement | Date: 01/09/2014 | Analysis by: Section Engineer | Reviewed by: Section Incharge |
|--|--|---------------------------------------|--------------------------------------|--|
| Title of employee doing job: Fitter | Supervisor: Section Engineer (Mech.) | Department: Mechanical | Section: Packing Plant | 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 |
| Remove the screw clamp | Hand injury | Use proper tools Lifting tools | Tools / clamp may slip | Ensure proper tools & tackles in usage |
| Tightening the clamp | Finger injury | Use proper tools Lifting tools | Tools / clamp may slip | Ensure proper tools & tackles in usage |



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