



DALMIA CEMENT (B) LIMITED – ARIYALUR

MECHANICAL SOP

| | | | |
|----------------|-------------|-----------------------------|-------------|
| Issue No. 02 | Rev. No: 00 | Effective Date: 01.11.2019 | SOP/MEC/039 |
| Issued By: M.R | | Approved By: HOD-Mechanical | |
| PACKER | | | |

Scope: REPLACEMENT OF PACKER SPOUT IMPELLER

Responsibility: Engineer

Accountability: Section Incharge Mechanical.

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.

Hazard Analysis:

Risks associated:

Dust emission

Tool Slip

Mitigating Measures

Use Nose Make, Goggles & Ear Plug.

Use appropriate tools.

REPLACEMENT OF PACKER SPOUT IMPELLER

1. Take the packer position at maintenance platform.
2. Take the LOTO for the specified packer.
3. Ensure to usage of PPE'S tools and tackles and dust mask where ever required.
4. Remove the impeller assembly guard and V - belts.
5. Remove the impeller box cover and clean the cement inside to box.



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6. Remove the impeller from casing and check the condition of impeller.
7. If any damage or cracks of impeller, Replace the impeller and tight to locking bolts.
8. Fix to cover, V- belt and give to belt tension.
9. Fix the V – belt guard.
10. Clear the line clearance and take trail run.

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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Job Safety Analysis:

| Job Safety Analysis | Job: Replacement of Packer spouts impeller. | Date: 01/09/2014 | Analysis by: Section Engineer | Reviewed by: Section Head |
|--|--|---|-------------------------------|--|
| Title of employee doing job: Fitter | Supervisor: Section Engineer (Mech.) | Department: Mechanical | Section: Packing Plant | Approved by: HOD-Mechanical |
| Req'd /recommended PPE: | | | | |
| Sequence of Basic Job Steps | Potential Hazards | Recommended Safe Job Procedure | What Could Go Wrong | Corrective Action |
| Remove the impeller cover to empty out cement. | Dust emission | Used PPE's | Nose Mask damage. | Periodic replacement. |
| Remove the belt guard | Body injury | Use proper tools and tackles with certification | Tools may slip | Periodic Inspect the condition of tools. |

| SL No | Activity | Isolation Matrix for Packing Plant | | | | | | | | | |
|-------|--------------------------|------------------------------------|------------|--|-------------------|--|--|--|--------------|--|--|
| | | Isolation Type | | | | | | | | | |
| | | | | | Electrical Energy | | | | Other Energy | | |
| 1 | Truck loader maintenance | Name and Tag for the Equipment | Main panel | | | | | | Air line | | |