



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL

| | | | |
|---------------------|-------------|------------------------------|-------------|
| Issue No. 01 | Rev. No: 02 | Effective Date: 17.10.2017 | SOP/MEC/035 |
| Issued By: M.R | | Approved By: HOD Mechanical. | |
| SOP for Reject Flap | | | |

Scope: Maintenance work in reject Flap

Responsibility: Section Engineer

Accountability: Mechanical-Section Incharge

PPE:

1. Safety helmet,
2. Safety shoe,
3. Hand gloves.

TOOLS:

1. Box spanner set.
2. Ring spanner set.
3. Puller
4. Feeler Gauge
5. Manila / Nylon rope.

Hazard Analysis:

Risks associated: : Mitigating Measures

Body Injury : Use proper tools and tackles

SOP for the Maintenance Work in Reject Flap

1. Take the line clearance with LOTO system
2. The line clearance paper should be with the people who are working in the site.
3. Take the confined work area with the relevant department and allow the people to work.
4. Use ppe's while working.
5. Check the spring stiffness adjust as per requirement
6. Check for any wear of plate, do welding if required with Hot Permit



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7. If reject flap discharge is belt conveyor, use proper blanket to isolate from hot work
8. Check rocker arm fixing, Pin,& roller& bearing
9. 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

| S L N o | Activity | Isolation Matrix for Utility & General Equipment. | | | | | | | | | |
|------------------|--------------------------------|---|---------------------------|----------------------------|---------------------------------|--|--------------|--|--|--|--|
| | | Isolation Type | | | | | | | | | |
| | | Electrical Energy | | | | | Other Energy | | | | |
| 7 | Reject Flap Maintenance | Name and Tag for the Equipment | Drive for the Reject Flap | Drive or Feeding Equipment | Drive for reject flap discharge | | | | | | |



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|---------------------------------------|------------------------------|-------------------------|-------------------------------|------------------------------|
| Job Safety Analysis | Job: Reject Flap Maintenance | Date: 1/09/2014 | Analysis by: Section Engineer | Reviewed by : Section Head |
| Title of employee doing job: Engineer | Supervisor: Section Incharge | Department: Mechanical. | Section: Raw Mill | 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 |
|----------------------------------|---------------------|---|------------------------------------|---|
| Open & Close the inspection Door | Hand injury | Use proper tools Lifting tools | Tools may slip | Ensure proper tools & tackles in usage |
| Remove & Fixing the spring | Hand injury | Use proper tools Lifting tools | Tools may slip | Ensure proper tools & tackles in usage |
| Wear Plate Cutting | Hand and Leg injury | Remove the cutting Pieces with Gloves | Cutting piece fall on Hand and Leg | Use Skilled cutter & Lifting person |
| Wear Plate Fixing | Hand and Leg injury | Follow standard work procedure for do welding and use proper method to fixed the wear plate | Material may slip during welding | Ensure the person Lifting the material as per lifting procedure |
| Bearing Removing & Fixing | Hand injury | Use proper tools Lifting tools | Tools may slip | Ensure proper tools & tackles in usage |
| Rocker arm,pin,removal & Fixing | Hand injury | Use proper tools Lifting tools | Tools may slip | Ensure proper tools & tackles in usage |