



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL

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| Issue No. 01 | Rev. No: 00 | Effective Date: 28.02.2018 | SOP/MEC/144 |
| Issued By: M.R | | Approved By: HOD-Mechanical | |
| SOP FOR INSPECT GAS CUTTING SET & WELDING CABLE | | | |

SOP FOR INSPECT GAS CUTTING SET & WELDING CABLE

Scope : This SOP is applicable for inspect gas cutting set & welding cable .

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
2. Fire Fighting

Procedure:

- 1) Check for Hoses color code blue for oxygen and orange for LPG.
- 2) Inspect hoses free from cuts, cracks, burnt or worn places.
- 3) Do not repair leaking hoses with tape. Splice in a new piece of hose or discard. When splicing a hose,
- 4) Check for standard brass splicing nipples
- 5) Ensure that all fittings are free of oil.
- 6) Check for Standard Hose Clamps are used & avoid ordinary wire to clamp the hose to a connector.
- 7) Check Oxygen and LPG regulator for leaks.
- 8) Both gauges on regulator should be working condition



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- 9) Check regulator free from cuts, cracks, burnt or worn places.
- 10) Check for Standard Messer Make flash back arrester on the both end of torch and regulator side.
- 11) Inspect welding cable & holder free from cuts, oil, water, cracks, burnt or worn places.
- 12) Inspect welding cable lug for proper fixing
- 13) Ensure fire blanket and fire extinguisher with cutting set.

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:

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| Job Safety Analysis | Job: Inspection of Welding cables & Cutting set | 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 Steps | Potential Hazards | Recommended Safe Job Procedure | What Could Go Wrong | Corrective Action |
| Cutting set & welding cable . | Slip / Fall | Use proper Trolley | Failure of Trolley | Use proper Trolley Deploy trained manpower. |