

MANDAL ENGINEERING

STANDARD OPERATING PROCEDURE (SOP)

Welding

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| Control No. : SOP/ME-MM/ | Rev. No: 00 | Effective Date: 2022- 11-11 | Department : Safty |
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| Step No | Activity(WHAT) | Associated Requirements/ Hazards/Impacts | Responsibility (WHO) | Process / tools / PPEs (HOW) | Remarks / Reference |
|---------|---------------------|--|---------------------------|---|---|
| 1 | Preparation for Job | SAFETY : Accidental Contact With Live Part, Damaged body part ,& Crushed the finger | Mechanical Shift Incharge | <ol style="list-style-type: none"> 1. Arrange all PPE for the work. <ul style="list-style-type: none"> o Safety Shoes o Safety Helmet o Cut resistance hand gloves o Safety goggles o Arm guard & Leg guard 2. . Observe Slip, Trip and Fall hazard by taking look at six directional safety requirement for self and ensure adequate safety precautions while working. 3. Take Work permit from area owner, Fill up the LOTO permit with proper Isolation of power , working at Height take a Heigh | Note: Do not start job without permit and without positive isolation |

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| 2 | Welding | Safety: <ol style="list-style-type: none"> 1. Injury by moving machines 2. Electrocution 3. Burn injury | Welder | <ol style="list-style-type: none"> 1. Always use safety leather hand gloves (12") & leg guard during welding and fixing welding rod in holder. 2. Before starting the job, take permit from the concerned department in form No. 3. Determine all possible hazards from the point of work and ensure mitigation of all hazards before starting the job. 4. Ensure that Area is cleaned & compatible to perform welding | Note: Maintenance to be done only after positive isolation of power. |
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| PREPARED BY | CONTRACTOR APPROVED BY | APPROVED BY |
|----------------------|------------------------|----------------------|
| Shailesh masane | Shrikant Mandal | Shrikant mandal |
| Signature with Date: | Signature with Date: | Signature with Date: |