

## METHOD STATEMENT FOR FABRICATION WORK

**A**

<b>Job Description:</b> Fabrication work-(Work Height Work, Hot Work -Cutting, Grinding, Welding, Pipeline Work, Dismantling, Machine/Material Shifting etc.	
<b>Area/ Location:</b> Plant-	
<b>Aux Permit Type:</b>	Hot work, Height Work, General Work

**B**

<b>Major hazards associated with the job:</b> <ol style="list-style-type: none"> <li>1. Electric Shock</li> <li>2. Fire and Explosion</li> <li>3. Slip, Trip and Fall hazard</li> <li>4. Fall from height ( if height work is carried out )</li> <li>5. Falling Object.</li> </ol>	<ol style="list-style-type: none"> <li>6. Burn injury during Hot work</li> <li>7. Eye and Cut injury During cutting work</li> <li>8. Dust Fumes inhalation during drilling work..</li> <li>9. Arch and eye irritation during welding work.</li> <li>10. Human Injury</li> <li>11. Any Other.</li> </ol>
<b>What Worst can Happen?</b> <ol style="list-style-type: none"> <li>1. Fatality or permanent disability due to Electric Shock, Falling from Height, Roof Work etc.</li> <li>2. Fatality and property damage by Fire /Explosion due to combustible/ flammable material present around the work place.</li> </ol>	

**C**

**PPE's Required for Jobs:** Safety Shoes, Hard helmet, full body safety harness, Scaffolding / ladder, Safety glasses, Hand Gloves , Welding apron,

**Resources /Tools Required for the Job:** scaffolding, Rope, welding m/c, Gas cylinder, Grinder, Pneumatic Tools, Gas Cutter, etc.

**D**

**Activities Séquence: (What, Who & How?)**

S. No	Activity	Who Will do	Risk involved	Risk Mitigation / Control Measure
1	Take work at height permit, hot work permit	Executor will take the permit signed by respective authorities	Nil	Full Compliance to PTW process
2	Provide the training for the persons who will work Fabrication activity.	SHE Officer/ Site Engineer Area Owner, Shift In charge	Nil	Training to cover all the associated risks and job details/method, PPE usage training, Tool box talk shall be taken before start the activity. Only experienced persons would be selected for the job

3	Assessment of the work area before job starting	Area Owner	Slip Trip Fall etc.	Assessment of the job area to ensure area must be cleaned for work.
4	Take all the hand tools and equipment's required for hot work at site	Approved Contractor	Trip hazard due to improper handling Equipment's and machines.	Ensure that the m/c machine are properly carried.
5	Start the required fabrication work process	Trained and experienced persons from contractor	As per attached hazards categories.	Ensure that all work must be done by train person.
6	Removal of scraped material after work completion.	Contract Employees	Cuts due to sharp edges of scrap material	Safety shoes, cotton hand gloves, safety helmets.
7	Closing of permit	Permit Executor and Contractor	Violation of permit	The permit should be handed over after getting it signed from Executor.
8	Assessment of the Hot work area after job completion	Area Owner	Smoldering, fire risk. Ensuring Area is cleared of Debris.	Assessment of the job area 1 hour after job completion to ensure that there is no smoldering and the area has been cleared of all debris

E

**Special Instructions/Note:**

1. Get the Permit to work along with height work permit from authorized person.
2. Follow all the work instructions strictly as per work permit.
3. The switch board used must have ELCB
4. No Cable joints in portable electric equipment is acceptable.
5. Close Supervision while performing the work.