

JOB SAFETY ANALYSIS AND METHOD STATEMENT

JOB STEP	TYPE OF HAZARD	Risk INVOLVE	RISK CONTROL MEASURES
1.1 Mobilization of manpower	•site hazard.	•Untrained worker.	<ol style="list-style-type: none"> 1.Take Work permit from the plant in charge prior to before startactivity. 2.Before start work Trained the worker deploy to the work like workheight. 3.Ensure the person should be medically fit for working at height(height pass)
		•Unaware of sitesafety rules and PPE'S	<ol style="list-style-type: none"> 1. Before work start working area barrication height from ground levelabove 2 feet. 2. TBT should be conducted before start the activity aware about thehazard risk and control measures Related Activities. 3. PPE'S Provide of workers like, Helmet, Gloves, safety shoes, goggle,reflective jacket, Ear plug etc. 4.Before work start working area barrication, height from ground Levelabove 2 feet barrication. 5. Displayed on site safety poster for worker.
		•Unauthorized entry	<ol style="list-style-type: none"> 1. Working Area barrication and restrict unauthorized entry. 2. Wear helmet, shoes then visitors allowed in site.
		•Slip trip person	<ol style="list-style-type: none"> 1. Safe dry and clean access to provide workers.
		•Site Emergency Fatal Accident Injure person.	<ol style="list-style-type: none"> 1. Don't panic workers. 2. Don't argument with worker immediate call number onSite location. 3. Keep on site First -Aid box.
		•Late work/ rain fall	<ol style="list-style-type: none"> 1. No height work shall be carried out late evening, rainThundering. 2. Immediately stop work and safely reached comfort zone. 3. In case rain fall covered all electronic board, cord, cables.

PRE-FABRICATION OF PIPELINE AT SITE (GROUNDWORK)			
MATERIAL HANDLING	Physical Hazard	Muscle strains, pulls and repetitive motion injuries	<p>1.should be provided training on the safe and proper use of the most important, primary tool—their bodies (Strong, Alert, Focused, Energetic, or SAFE training).</p> <p>2.Proper techniques of stretching, lifting, bending, moving, rolling rocks, securing good footing, the importance of good nutrition and hydration, etc., should be address. –</p>
WELDING	Physical Hazard	Eye injury Burn injury	<p>1. Correct PPE,</p> <p>2. Encapsulate hot work area,</p> <p>3. use fire extinguisher, water bucket</p> <p>4. proper PPE with work procedures and sop</p>
CUTTING	Physical Hazard	Finger cut injury Eye injury	<p>1. Correct PPE,</p> <p>2. Encapsulate hot work area,</p> <p>3. use fire extinguisher, water bucket</p> <p>4. proper PPE with work procedures and sop</p>



ERECTION OF PRE FABRICATED PIPE ON TRUSS LEVEL			
HEIGHT WORK	Physical hazard	Fall of material Fall of Person	1.Before work start working area barrication height from ground levelabove 2 feet. 2.Safety training provide to associate 3Use of safety belt & provision of proper platform for access & egress. 4.Only authorized height pass holders are allowed to work.
HOISTING OF PIPE	Physical hazard	Tool Slip	1.Special tools to be used. 2.Follow SOP
HOUSEKEEPING POST ERECTION	Physical Hazard	1.tripping over loose objects on floors, 2. stairs and platforms. being hit by falling objects. 3.slipping on greasy, wet or dirty surfaces. 4.striking against projecting, poorly stacked items or misplaced material.	1.Prevent slips, trips and falls. ... 2.Avoid tracking materials. ... 3.Prevent falling objects. ... 4.Store materials properly. ... 5.Use and inspect personal protective equipment and tools

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