

HIRA as per New Contractor Safety Management

Activity	Sub-Activity	Hazard	Threats	Barriers	Top Event	Necessary Measures	Consequences	Risk Rating					Remedial Action Required
								P	A	E	R	F	
Welding Operation	Connection of Welding Machine to industrial Power supply after	Electric Shock	Connection without pin top	Trained Person	TD falls no under accident	Treatment with Doctor	Electric Shock	2B	2B	2B	2B	2B	Active to be done under supervision
	Welding Machine Operation	Fire hazard	Unsuitable work area, presence of Combustible material, presence of spark, Unwear near Welding Operation	1) Trained Person 2) Hot Work Attender 3) Housekeeping 4) Availability of Fire Extinguisher & Water Bucket 5) Use of Chrome Leather Apron, Chrome Leather Hand Goggles, Face shield, Chrome Leather Hand Saws	Fire	Use of Fire Extinguisher & Water Bucket to extinguish fire	Property Damage	4B	3C	3C	3C	4B	Active to be done by Experienced Welding Operator
Gas Cutting Activity	Cutting of Metal Sheets, Angles, Channels	Fire Hazard	1) Hot work in Hot area & Respirator. 2) Unattended work area, presence of Combustible material. 3) Presence of Paint, Thinner near Gas Cutting operation	1) Trained Person 2) Housekeeping 3) Availability of Fire Extinguisher & Water Bucket 4) Use of Chrome Leather Apron, Chrome Leather Hand Goggles, Face shield, Chrome Leather Hand Saws	Fire	Use of Fire Extinguisher & Water Bucket to extinguish fire	Property Damage	4B	3C	3C	3B	4B	Active to be done by Experienced Gas Cutting Operator
		Release of Flammable Gas	Hot work with Sparks	Checking of Hoses with Soap Water before Starting Operation	Fire	Use of Fire Extinguisher & Water Bucket to extinguish fire	Property Damage	4B	3C	3C	3B	4B	
Grinding & Drilling Activity	Grinding metal surface	1) Physical Hazard 2) Electrical Hazard 3) Fire Hazard	1) Use of Guarded Machine without guard 2) No Pin Top in Grinder machine 3) No Housekeeping in work area before starting work	1) Encouraging Staff to stop work if needed 2) Encouraging Staff to stop work before Starting work	1) Injury to Person 2) Hot Work as noted who is involved in Electrical hazard (without plug top) 3) Fire to Combustible material present in area	1) First Aid & Shifting to Hospital. 2) Fire Extinguisher availability.	Injury to Person & Property Damage	3B	3B	3A	3B	3B	Active to be done by Experienced Certified Labour/Worker
	Working at Height	Physical Hazard (Fall from Height)	Broken Ladder, Defective Ladder,	1) Use of Double Lanyard Safety Harness from 1.8 meter & above while Ascending & Descending Ladder. 2) Visual Inspection of Ladder by contract supervisor before initiating work	Fall from height	First Aid Treatment & Shifting to Hospital	Personnel Disability, Fatal Case	4C	3C	3C	3C	4C	Active to be done by Experienced Certified Labour/Worker and under supervision



Karthik Fabrication, Aurangabad, M.D. No. 1011



Name of Company: Karthik Fabrication
 Name of Owner/Representative: Santosh
 Signature & Stamp: