Hazard Identification, Risk Assessment (HIRA)

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Activity	Sub-Activities	E R/NR	Hazard	Risk	Legal	Probability	Consequence	Resultant Risk level	Sig. Hira y No.	Priority No.	Objective No.	Additional Controls (E / S / EC / W / P) Operational Control (OCP No / MP No)							
												E	S	EC	W	P	OCP No	MP No	
Piping and laying work	Vehicel Movement, Driving inside of company	NR	Vehicle accident, overrripping, brusting of tyres, drug alcoholism by driver etc.	Accident		2	2	L											
	Loading unloading of Pipe and material	NR	STF, Material Hazards, Lack of communication, overload, toppling etc.	Body injury, Sprain		2	2	L						✓					
	Pipi laying work at work station	NR	STF, Material Hazards, Lack of communication, overload, toppling etc.	Body injury, Sprain		2	2	L						✓	✓				
	Manual handlings of material inside of company and at work station	NR	STF, Material Hazards, Lack of communication, overload, toppling etc	Body injury, Sprain		2	2	L				✓		✓	✓				
	Simultenous activities and use of handtools (cutting of Pipes, joint, lagging, pasting of sluion, tighting of sockets etc.)	NR	STF, Material Hazards, improper tools handling.	Hand injury, cut injury		2	1	L						✓	✓				
	Completion activities / waste management	R	environmnet waste, improper waste segregation.	STF		2	1	L							✓				

POO - Probability of Occurrence

Rating	POO	Consequences
1	UNLIKELY	Injury not calling for momentary discomfort / Illness having momentary discomfort
2	LIKELY	Injury calling for first aid / Illness due to acute exposure or hospitalisation for
3	VERY LIKELY	Injury leading to temporary / permanent disability / Illness due to chronic exposure having last long effect.

RISK LEVEL

		RISK LEVEL	L	M	H	E
R	Routine	P	Low	Medium	High	Emergency
NR	Non-routine	C				

Probability: P — Probability, C — Consequences

MATRIX

	1	2	3
3	3/M	6/H	9/H
2	2L	4/M	6/H
1	1L	2L	3/M

Probability →

Abbreviations

Abb	Description	Input For
E	Elimination	MP
S	Substitution	MP
EC	Engineering Control	MP
W	Warnings/Signage/Admin Controls	OCP
P	Personal Protective Equipments	OCP