



ONKAR ENGINEERING WORKS

GUT NO-34, PLOT NO-35, BEHIND K-87(SAVERA AUTO COMPS), MIDC, WALUJ, AURANGABAD
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HAZARD IDENTIFICATION AND RISK ASSESSMENT

ASSESSMENT DATE	07-08-2019
CREATION BY	ONKAR DHIMATE
WORK LOCATION	INHOUSE/ SITE

S = Severity Rating	L = Likelihood	RR = Risk Rating								
1. Trivial	1. Unlikely occurrence	Severity	5	5	10	15	20	25	R	Unacceptable risk, plan out or add further controls
2. Minor Injury	2. Rare occurrence		4	4	8	12	16	20	O	Acceptable only if no other method viable and with high level
3. Over 3 day injury	3. Occasional occurrence		3	3	6	9	12	15	Y	Acceptable with suitable controls
4. Major Injury (RIDDOR)	4. Frequent occurrence		2	2	4	6	8	10	G	Acceptable, no further action required
5. Fatality	5. Often occurs		1	1	2	3	4	5		
				1	2	3	4	5		
			Likelihood							

OPERATION/ TASK	Activity and Risk	Who Might be harmed and how?	Risk Rating			Control Measure	Residual Risk			Responsibility	
			S	L	RR		S	L	RR		
PPR/HDPE/PP/ PVC PIPING	Heating the pipe on mirror	Worker	3	3	9	A. Hand Gloves	1	2	2	Worker	
		Burn, if Hand Slips off the pipe and touches the mirror									Supervisor Project Manager
	Jointing Pipe with solvent	Worker	3	4	12		A. Keeping away from direct spark B. Keeping the Lid of Solvent tin Closed when not in use	1	2	2	Worker
	Buring of Solvent, if came in contact with direct spark									Supervisor Project Manager	
Opening Old pipeline	Opening Old pipeline	Worker	4	4	16	A. Ensure pipeline valve is closed before opening the line B. Know the Liquid before cutting pipeline	2	2	4	Worker	
		Eyes Damage, if hazardous liquid flies on eye									Supervisor Project Manager

		Skin damage if Hazardous liquid comes in contact with skin				C. Use Hand Gloves				
FRP LINING	Applying FRP lining	Worker Suffocation , if work is not done in open environment Fire, if Comes in direct contact with big spark while wet Fire, if Cobalt and Hardner are mixed	5	3	15	A. Ensure the work area is in open environment B. If Work is in Closed area without ventillation such as tank, vessel then use fan/ come out of work area periodically C. Ensure the non-possibility of direct big spark D. Mix whole resin with cobalt mix it and then start work. E. Keep cobalt and hardner atleast 1meter away with closed lid of tin	2	2	4	Worker Supervisor Project Manager
WORKING AT HEIGHT	Climbing ladder/ Any Structure Working at height	Worker Falling down	5	5	25	A. Use double hook safety Belt with shock absorber while working at height B. While Displacing at height always ensure both the hooks are clamped C. Use Safety Helmet	2	2	4	Worker Supervisor Project Manager