



RISK ASSESSMENT FOR LIFTING AND LOADING STEELWORK-EQUIPMENT

Activity:	Lifting And Loading Steelwork-equipment					RA No.				
Location:	ABC					Date :				
Persons at Risk:	Banksman / Slingers / Site Operatives / General Public					Revision Status				
Equipment to be used:	Hard Hat, Safety Goggles, Ear Protection, High-Visibility Vest, Gloves, Steel-Toed Boots, Respirator/Mask, Welding PPE, Safety Harness, Safety Belt, Fire Extinguisher, Safety Signage, Chemical-Resistant Gloves, Lockout/Tag out Equipment, Fall Arrest System, Safety Netting									
Potential Hazards / Conditions considered (Tick Box)						Revision No.:				Revised Date:
						NA				NA
Persons at Risk										
Fall From Height	☒	Falling of Materials	☒	Subcontractors	☒	Public	☐			
Electricity	☒	Slips/Tripping	☒	Employees	☒	Visitors	☐			
Personal protective equipment (PPE)										
☒	Safety Helmet	☒	Respiratory / Berating Apparatus	☒	Gloves	☒	Goggles	☐	Full Body Safety Harness	
☒	Safety Boots	☒	Overalls	☒	Masks	☐	Ear Plugs/ Defenders	☐	Others, if any	
Mandatory HSE requirements (Tick Box)										
☒	Safety Induction	☒	Proper PPE	☒	Work Permit	☒	Proper Tools/ Equipment	☒	Proper Barricade & Warning Sign in The Affected area	
☒	Tool Box Talk	☒	Safe Work Place	☒	Proper Supervision	☒	Pre-Task Briefings	☐	Others, if any	
Risk Level: H (HIGH-Potential to cause death or permanent injury) M (MEDIUM –Potential to cause loss time injury) L (LOW- An injury treatable with First Aid)										
Likelihood (L)	Severity (S)	Class of risk (L*S)	LIKELIHOOD (L)	RISK MATRIX						Note: 1. Risk assessment must be addressed to workers by the worker in charge before starting a job. 2. Risk assessment is a continuous process hence to be reviewed depending on the activity and risk involved
Improbable	Negligible	High = 15-25		5	5	10	15	20	25	
Remote	Minor			4	4	8	12	16	20	
Probable	Reportable			3	3	6	9	12	15	
Occasional	Serious	Medium = 07-14		2	2	4	6	8	10	
				1	1	2	3	4	5	
					1	2	3	4	5	
SEVERITY (S)										



Sr.	Activity	Hazard	EVALUATION			Control Measures in place or to be implemented	RE-EVALUATION			Persons responsible for Implementation and Supervision.
			L	S	R		L	S	R	
1.	Lifting And Loading Steelwork-equipment	Crushing and cuts Injury from falling materials	4	4	16	- Only certificated lifting gear is to be used, - Lifting gear is to be checked by a slinger/signaler. - CPCS-qualified slinger signaler to be used. - When slinging the load, check chains for positioning and load slightly lifted to check balance is correct before the main lift. - Loading/offloading should only take place where safe to do so. - Safe Working Load of lifting appliances and lifting tackle must never be exceeded. - Only slingers to sling loads. - Only banks man to give instructions to crane or rig operators. - Keep hands and feet clear of load during lifting or lowering operations. - Always wear helmets, gloves, high visibility vests, and safety boots during these operations. - Suitable size packers must be used below each load when lowering off. - When lifting steelwork with the rig, the safety chain, and chain lock must be securely fixed and checked before lift. - Lifting equipment is to be checked regularly for wear and tear and replaced as required. - Ensure the slinger inspects connections before lifting. - Exclusion Zone to be in place. Only essential personnel to enter. Once load slung all personnel exit the exclusion zone - Pre-inspections of Lifting Gear are to be recorded on daily inspection sheets	2	3	6	Project Manager/ Project Engineer/Project Supervisor/Project Safety Officer/MEP Technicians

Assessed by (print name, date, and Signatures):

Reviewed by (print name, date, and Signatures):