



RISK ASSESSMENT FOR MEDIUM VOLTAGE (MV) PANELS INSTALLATION

Activity:	MEDIUM VOLTAGE (MV) PANELS INSTALLATION					RA No.				Page 1 of 4
Location:	ABC					Date :				
Persons at Risk:	Piling Operatives / Engineers / Chainmen					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									Revision No.:
						NA		NA		
Potential Hazards / Conditions considered (Tick Box)						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.
Improbable	Negligible	High = 15-25		5	5	10	15	20	25	
Remote	Minor	Medium = 07-14		4	4	8	12	16	20	
Probable	Reportable			3	3	6	9	12	15	
Occasional	Serious			2	2	4	6	8	10	
		1		1	2	3	4	5		



RISK ASSESSMENT FOR MEDIUM VOLTAGE (MV) PANELS INSTALLATION

					1	2	3	4	5	2. Risk assessment is a continuous process hence to be reviewed depending on the activity and risk involved
					SEVERITY (S)					

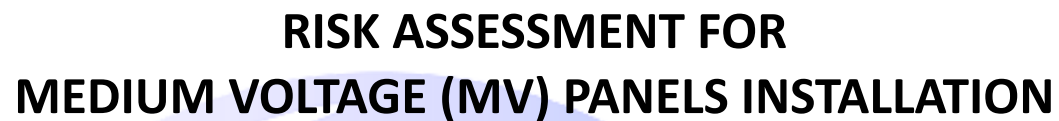
Sr.	Activity	Hazard	EVALUATION			Control Measures	RE-EVALUATION			Persons responsible for Implementation and Supervision.
			L	S	R		L	S	R	

HSE Documents



RISK ASSESSMENT FOR MEDIUM VOLTAGE (MV) PANELS INSTALLATION

1	MEDIUM VOLTAGE (MV) PANELS INSTALLATION	1. Physical and Health Injuries 2. Lifting fall hazard stuck by or hit by materials, back injuries 3. Material Storage, Tripping/Slipping hazard 4. Power tools-Struck by or hit by bursting of disk	4	4	16	• Wear safety helmet, safety shoes, safety gloves, Safety glass and visibility vest • Check materials and tools before commencing work. • Conduct housekeeping before and after work. Disposed of waste separately regularly. • Materials should be stored and segregated properly, ensure having access/egress route. • Using any crane needs an appropriate lifting permit, a certified operator and rigger, a checklist of inspection daily, provision of lifting gear, and a crane certificate. Determine the load to be lifted. • Using a Telehandler or forklift ensure the equipment is inspected and the operator and banks are certified. Check the capacity, the ground condition, the gear to be used, the pathways, and the destination assuring that all is well planned. • Manual handling should be done with the body system if the load to be lifted is long and or heavy. • Check the pathway during handling. • Barricade the area with appropriate signage. • All materials should be segregated properly providing proper access/egress route. • All power tools should be inspected and color-coded. All operators should attend training/seminars. Do not exert too much pressure on the abrasive wheel, provide shielding to prevent the striking of flying objects. Secure it with a permit if necessary • Additional Controls, Details, and Comments: • To be checked by the FM/MEP supervisor to commence work • All personnel involved in this activity must attend the STARRT talk ensuring they signed the attendance sheet. The FM/MEP engineer/supervisor should explain in detail the hazard and its corrective measures to prevent accidents/incidents and or even near-miss occurrences. • FM/MEP Supervisor should ensure the permit and requirements before the start of work. • The engineer should determine the load and coordinate with the rigger/operator.	2	3	6	Project Manager/ Project Engineer/Project Supervisor/Project Safety Officer/Operator
---	---	---	---	---	----	--	---	---	---	--



- The engineer to ensure and recheck the condition.
- The FM/MEP supervisor is to monitor from time to time and this should be discussed during STARRT talk.
- FM/MEP supervisor to check before commencing work.
- The engineer should ensure this procedure/requirements