

Project		Supply and installation of lights		Evaluator Name				<b>BASELINE RISK ASSESSMENT</b>																			
Compiled By		Client Team		Signature																							
Date of Assessment		24/10/2024		Responsible Manager																							
		Signature																									
PROBABILITY INDEX	5	Almost certain to inevitable	SEVERITY INDEX INJURY/DISEASE (I)	5	Fatal	SEVERITY INDEX PRODUCTION (P)	5	No production	SEVERITY INDEX ENVIRONMENT (E)	5	Permanent effects	SEVERITY INDEX COST (C)	5	> R500 000	FREQUENCY INDEX	5	Hazard permanently present	PROBABILITY VALUE X SEVERITY VALUE X FREQUENCY VALUE /125 = TOTAL SCORE (%)									
	4	Probable		4	Permanent to Slight Disability		4	Loss of 1 month or more production		4	Long term 2 years		4	R100 000 - R499 999		4	Hazard arises every week										
	3	Improbable		3	14 Days with complete recovery		3	Loss of 1 week of production		3	Med - 6 months to 1 year		3	R10 000 - R99 999		3	Hazard arises every month										
	2	Less than even chance		2	Medical attention 14 Days with complete recovery		2	Loss of 1 days's production		2	Short term - 1 day to 6 months		2	R1 000 - R9 999		2	Hazard arises every year										
	1	High improbable		1	First aid only		1	Loss of 1 man shift		1	Insignificant effect		1	R0 - R999		1	Hazard arises every 5 years										
Risk Value		Very High Risk		PPE Requirement & Safety Signs																							
A		90 - 100%		A B C D E F G H I J K L M N O																							
B		60 - 79%																									
C		40 - 59%																									
D		20 - 39%																									
E		0 - 19%																									
Item	Task / General Activities	Hazard Identified	Risks I.r.t the hazard	Severity Index										PPE	Signs	Corrective Action	Responsible Person & Time Frame										
				I	P	E	C	Total	Assesses	Count	5 Points Each	Formula = points 5*5	Probability Index					Frequency Index	Risk Score	Risk Value							
1	<b>SITE SET UP</b> Ablution facilities;Tools off loading, Vehicle Access, Housekeeping.	1.Tripping 2.Manual handling of equipment, 3.Nipping points, 4.Man machine interaction.	1. Health & safety (I) 5 2. Cost (C) 5 3. Productivity (P) 4 4. Environment (E) 1	5	5	1	5	125	4	5	100	80%	C,D,E,K	L,B	1.Ensure compliance to DBSA OHS requirements. 2.Site supervisor to ensure that all employees are equipped with the correct/necessary PPE and to ensure the utilisation of them. 3.Task specific HIRA to be completed before commencement of work. 4. Conduct toolbox talk ensure all personnel are trained on tools management and inspection.	Principal Contractor											
				Total Average Risk Value																							
				56%																							
2	<b>Office Interruption</b> Access to the office while employees are on campus.	1.Office disruption, 2. Potential contact injuries, 3.Fail to put up signs of work in progress.	1. Health & safety (I) 3 2. Cost (C) 3 3. Productivity (P) 3 4. Environment (E) 1	3	3	1	5	125	4	5	60	48%	C,D,E,K	L,B	1.Communicate project plan to office staff; use barriers and signage to cordon off the work area, 2.Site supervisor to ensure that all employees are equipped with the correct/necessary PPE and to ensure the utilisation of them. Task specific HIRA to be completed before commencement of work.	Principal Contractor											
				Total Average Risk Value																							
				36%																							
3	<b>Lights Installation and Maintenance</b> Replacement of existing lights, installation of new lights, Use of plugs, electrical connector,handling of lights .	1.Electrocution, 2.Manual handling of equipment, 3.Nipping points, 4.Man machine interaction.	1. Health & safety (I) 4 2. Cost (C) 4 3. Productivity (P) 3 4. Environment (E) 1	4	4	1	5	125	5	5	100	80%	C,D,E,K	A,B	1.Ensure that a competent, qualified electrician is admitted to perform the electrical installations. 2.Site supervisor to ensure that all employees are equipped with the correct/necessary electrical work PPE and to ensure the utilisation of them. Task specific HIRA to be completed before commencement of work. 3.De-energize circuits during installation. Use lockout-tagout procedures;	Principal Contractor											
				Total Average Risk Value																							
				60%																							
4	<b>WORKING AT HEIGHTS</b> Use of ladders	1.Fall from heights, 2.Manual handling of equipment, 3.Falling objects,	1. Health & safety (I) 5 2. Cost (C) 5 3. Productivity (P) 3 4. Environment (E) 1	5	5	1	5	125	4	5	100	80%	A,D,E,K	A,B	1. Compile a fall protection plan and ensure all employees are trained on working at heights risks and controls in place. 2. Site supervisor to ensure that all employees are equipped with the correct/necessary working on height PPE and to ensure the utilisation of them. Task specific HIRA to be completed before commencement of work. 3. Ensure working area is clear. Conduct Ladder inspections	Principal Contractor											
				Total Average Risk Value																							
				52%																							
5	<b>Use of Portable Electrical Equipment including</b> Angle grinder; Electrical Drilling machine; Skill saw.	1.Unsafe, sub-standard and/or defective equipment used 2.Untrained employees using portable electrical tools 3.Electrocution	1. Health & safety (I) 5 2. Cost (C) 5 3. Productivity (P) 4 4. Environment (E) 1	5	5	1	5	125	4	5	100	80%	A,D,E,K	A,B	1. All portable electrical equipment to be logged on a register and monthly inspections to be conducted. 2. Pre use checklists to be implemented, conducted and maintained 3.Employees to be trained on use of portable electrical tools	Principal Contractor											
				Total Average Risk Value																							
				56%																							
6	<b>Drilling and Mounting</b> Use of electric drills.	1.Noise 2.Dust Exposure	1. Health & safety (I) 4 2. Cost (C) 3 3. Productivity (P) 3 4. Environment (E) 1	4	4	1	5	125	4	5	80	64%	A,D,E,K	A,B	1. Site supervisor to ensure that all employees are equipped with the correct/necessary PPE and to ensure the utilisation of them. 2. Task specific HIRA to be completed before commencement of work.. 3. Ensure proper ventilation in the work area.	Principal Contractor											
				Total Average Risk Value																							
				40%																							
7	<b>Waste Management</b> Disposal of debris, lights disposal.	1.Housekeeping 2.Environmental harm 3.Incorrect storage	1. Health & safety (I) 5 2. Cost (C) 5 3. Productivity (P) 4 4. Environment (E) 2	5	5	1	5	125	4	5	100	80%	C,D,E,K	A,B	1. Collect and store waste promptly and safely 2. Use proper disposal methods for electrical waste. 3. Practice good housekeeping at all times.	Principal Contractor											
				Total Average Risk Value																							
				56%																							