

Project		Tree Felling Once off Project		Evaluator Name				BASELINE RISK ASSESSMENT											
Compiled By		Client Team		Signature															
Date of Assessment		30/10/2024		Responsible Manager															
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		A	90 - 100%	Very High Risk	B	60 - 79%	High Risk	C	40 - 59%	Medium Risk	D	20 - 39%	Lower Risk	E	0 - 19%	Low Risk			
PPE Requirement & Safety Signs																			
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	Tot	Asses. Count	5 Points Each	Formula = points 5*5	Probability Index	Frequency Index					Risk Score	Risk Value
1	SITE PREPARATION Access to site, driving on campus, tools offloading, weather conditions.	1.Uneven grounds,slips,trips and falls. 2.Manual handling of equipment. 3.Vehicles and Pedestrian collutions or struck by. 4. Poor visibility	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	3 3 3 1	1 3 1 1	5 5 5 5	125 125 125 125	4 4 4 1	5 5 5 5	125 125 125 125	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	A,D,E,K	A,B	1.Conduct site inspection and level the ground where necessary. - Clearly mark uneven surfaces. 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.Ensure compliance to site safety rules. 5. Monitor weather forecasts, postpone work during adverse weather.	Principal Contractor	
2	Weather conditions & Site Environment Exposure to different type of weather and different type of environmental hazards.	1.Heat, Cold, Sun exposure 2.Exposure to Noise 3.Exposure to Dust,	1. Health & safety (I) 2. Cost (C)	4 3	4 3	1 1	5 5	125 125	4 4	5 5	125 125	4 4	5 5	80 60	64% 48%	A,D,E,K,H,N	A,B	1. Use dust suppression methods such as water sprays, 2. Provide hearing protection and dust masks.	Principal Contractor
3	Tree Cutting & Trimming Cutting and trimming of trees to be discussed on site.	1.Falling branches / trees, Struck by Chinsaw operation, cuts and amputations, 2. Fall fall heights 3. Manual Handling and lifting	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	4 4 3 1	4 4 3 1	1 1 1 1	5 5 5 5	125 125 125 125	5 5 5 5	5 5 5 5	100 100 75 25	80% 80% 60% 20%	A,D,E,K,N	A,B	1. Ensure that only trained and certifie personnel operate equipment and inspect the equipment. 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.Develop SWP for this activity and ensure use of appropriate felling techniques. 5.Develop a Fall protection plan ensure employees are trained on it. 6. Train workers on proper lifting techniques. Use mechanical aids when possible	Principal Contractor			
4	Complete Tree Removal Complete removal of trees to be discussed on site due to tree size.	1.Large trees 2.Use of unsafe tree cutting procedure, 3.Struck / hit/ cut by, 4.Proximity to structures , damage property . 5. Manual Handling and lifting	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	5 5 5 1	5 5 5 1	1 1 1 1	5 5 5 5	125 125 125 125	4 4 4 1	5 5 5 5	100 100 100 1	80% 80% 80% 1%	A,D,E,K,F	A,B	1. Evaluate tree stability and size before cutting, plan fall direction, assess surroundings, identify structures, establish exclusion zone. 2. Use guide ropes and taglines. 3. Site supervisor to ensure that all employees are equipped with the correct/necessary PPE and to ensure the utilisation of them. 4. Develop SWP for this activity and ensure and Provide worker training on SWP. 5. Train workers on proper lifting techniques. Use mechanical aids when possible	Principal Contractor			
5	Use of machinery and Portable Electrical Equipment including Angle grinder, Chinsaw etc.	1.Unsafe, sub-standard and/or defective equipment used 2.Untrained employees using portable electrical tools 3.Electrocution 4. Noise 5. Vibrations	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	5 5 4 1	5 5 4 1	1 1 1 1	5 5 5 5	125 125 125 125	4 4 4 1	5 5 5 5	100 100 80 1	80% 80% 64% 1%	A,D,E,K,N	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 4. Train workers on safe machinery use. - Ensure machinery is well-maintained and fitted with safety guards. - Provide ear protection and gloves	Principal Contractor			
6	Waste Management Removal of cut branches and trees.	1.Debris from branches 2.Skin irritation 3. Housekeeping 4.Trips	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	4 3 3 1	4 3 3 1	1 1 1 1	5 5 5 5	125 125 125 125	4 4 4 1	5 5 5 5	80 60 60 1	64% 48% 48% 1%	A,D,E,K,	A,B,M	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. Designate waste disposal areas. 4. Clear cut branches immediately after felling.	Principal Contractor			
7	Traffic & Pedestrian Management Moving in and out of cars and employees on campus, parking area, main entrance, Vulindlela.Cut trees transportation,	1.Driving vehicles unroadworthy 2.Vehicles traffic / moving 3.Pedestrians moving 4. Struck by 5. Collisions	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	5 5 4 2	5 5 4 2	1 1 1 1	5 5 5 5	125 125 125 125	4 4 4 1	5 5 5 2	100 100 80 2%	80% 80% 64% 2%	A,D,E,K	A,B,M	1. All construction vehicles have to comply with Construction regulations 2. All vehicle operators to be licensed and competent to operate there respective machinas. 3. Establish and enforce exclusion zones. 4. Clearly mark pedestrian walkways. 5. Provide high-visibility clothing for workers. 6. Use spotters for vehicle guidance.	Principal Contractor			