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ESKOM PROJECT MANAGER	Brian Makam
PROJECT	Provision of Cable Maintenance Services at Duvha Power Station for Electrical Maintenance
PURCHASE ORDER/CONTRACT NUMBER/	N/A
CONTRACTOR NAME	N/A
CONTRACTOR CONTACT PERSON	N/A
CELL No.	N/A
DATE	13 June 2025

No	Hazard	Risk	Causes of Risk	Consequence	Likelihood	Risk Priority Rating
	(Example of a hazard is a manhole cover that is not in position or missing)	(Examples of risks related to the hazard are injuries or a fatality. There could be more than one risk per hazard)	Example is that someone worked there but did not replace the cover)			
1	Manual lifting of material (Ergonomic related)	manual lifting heavy materials can cause musculoskeletal disorders(MSD's eg neck and back injuries)	Failure to use manual lifting techniques	3	B	III
2	Poor housekeeping	Poor housekeeping environment will cause Slip, trip and fall injuries	Failure to observe	3	B	III
3	exposure to dust	dust can cause silicosis, lung infection and breathing problems	Failure to wear respirator	4	B	III



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4	Exposure to excessive noise	exposure to excessive noise will cause Noise Induce Hearing Loss	Failure to wear ear protection	4	B	III
5	Exposed to heat	Exposed to heat will cause dehydration	Failure to drink more water	3	B	III
6	Uneven floor surface/ground	Uneven floor surface/ground will cause trip, slip and fall injuries	Failure to observe	4	B	III
7	Poor lighting	slip, trip and fall injuries	failure to maintain lights, failure to provide portable lights	3	B	III
8	Working without Permit To Work	Fatal injury	Violation of Eskom Life Saving rule	5	B	II
9	Carbo monoxide	Suffocation	burning coal	5	B	II
10	smoke	trip and fall injuries	burning coal	4	B	III
11	Exposed to snake	Snake Bite	Accidentally stepping on the snakes	5	B	II
12	Electricity contact	Electrocution	Violation of Eskom Life Saving rule	5	B	II
13	Working at height	Falling from height can cause fatal injury	Violation of Eskom Life Saving rule	5	B	II
14	Working in excavation	Buried by cave in soil	Failure to install shutters	5	B	II
15	Exposure to fumes	Lung infections and kidney problems	Failure to wear dust mask during welding	4	B	III
16	Using defective lifting equipment	injuries	Failure to conduct load test and inspection	4	B	III

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Consequence criteria

Consequence rating	Description
	Health and Safety
1	No injuries or health effects(near misses)
2	First-aid treatment case, and temporary discomfort case
3	Medical treatment case; occupational disease with reversible/non-permanent effect
4	Lost Time Injury. Irreversible health effects/occupational disease with permanent consequence
5	Fatality or life threatening health effects
6	Multiple fatalities


		RISK MATRIX				
Consequences	6	I	I	I	I	I
	5	II	II	II	I	I
	4	III	III	II	I	I
	3	IV	III	II	II	I
	2	IV	IV	III	II	II
	1	IV	IV	III	III	III
		A	B	C	D	E
Likelihood						

Likelihood criteria

Score	Descriptor	Safety	Occupational hygiene	
			Exposure	Probability of exceeding OEL
A	Highly unlikely	<ul style="list-style-type: none"> More than a "100 year event" Exceptionally unlikely, even in the long-term future < 5% probability 	Rare (once a year)	No exposure (or exposure < 10% of OEL)
B	Unlikely	<ul style="list-style-type: none"> Could occur in "years to decades" 	Short periods of time, a few times per day/ intermittent (once in six months, three months, or a month)	Low exposure (< 50% of OEL)
C	Possible	<ul style="list-style-type: none"> Could occur within "months to years" 	Continuous for between one and two hours (often/ weekly)	Moderate exposure (chronic exposure > 50% of OEL or acute exposure ≥ OEL)
D	Likely	<ul style="list-style-type: none"> Could occur within "weeks to months" ≥ 70% and < 90% probability. 	Continuous for between two and four hours (frequent/daily)	High exposure (chronic exposure > OEL, or exposure exceeding OEL-STEL)
E	Unavoidable	<ul style="list-style-type: none"> Could occur within "days to weeks" 	Continuous for eight-hour shift	Very high exposure (chronic exposure > 2 x OEL or exposure exceeding OEL-C)

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