Eskom

Kusile Power Station Integrated Risk Management Bowtie Tool Risk Assessment Template

Document Identifier:	240-164598401
Revision:	3
Effective Date:	November 2025
Review Date:	November 2028

Risk Name:	Unavailibility of Heater refirbishment contract	**Risk Assessment Number**	
Area	Maintenance		
Objective/KPI/Focus area			
Risk Category	**Risk Appetite Statement**		
Operations	High appetite to provide reliable electricity by focusing on the Generation operational recovery, while using OCGTs prudently. Generation will further leverage opportunities through partnerships towards more inclusion of cleaner energy of electricity enabling the country's aspiration of net zero emission by 2050. country's electricity demand		
Risk Start Date	02/12/2025		
Risk End Date	01/04/2026		

2. Causes (What may cause the risk to materialise?)

1	No contract in place
2	Refirbishment and purchasing delays when utilizing once orders
3	OEM long lead times
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1. Risk Description (What could occur)

Prolonged shut down caused by unavailability of critical spares leading to production loss, safety risks and extended outages controlled by procurement and refirbishment of spares

3. Consequences (What impact may it lead to)

1	Load loss and Secondary plant damages	
2	Plant unavailability	
3		
4		
5		
6		
7		
8		
9		

4. Existing Controls for Causes (Current and existing interventions)

		RCE *	Control Owner
1	Once of orders for purchasing and repaining of heaters are being utilised	Mostly Ineffective	Mbuyiselo Majenge
2			
3			
4			
5			
6			
7			
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5. Existing Controls for Consequences (Current and existing interventions)

		RCE *	Control Owner
1	None	None	
2			
3			
4			
5			
6			
7			
8			
9			
10			

Tasks to improve Risk Control Effectiveness (Task specific control)

		Task Owner	Dates		% completed & Narrated Progress
1	Place contract		Start Date	02/12/2025	
			Due Date	01/04/2026	
2			Start Date		
			Due Date		
3			Start Date		
			Due Date		
4			Start Date		
			Due Date		
5			Start Date		
			Due Date		
6			Start Date		
			Due Date		
7			Start Date		
			Due Date		
8			Start Date		
			Due Date		
9			Start Date		
			Due Date		
10			Start Date		
			Due Date		

Tasks to improve control effectiveness (Task specific control)

		Task Owner	Dates		% completed & Narrated Progress
1	Submit contract pack for the contract to go on tender	Ntombifuthi Ngwenya	Start Date	02/12/2025	80%
			Due Date	03/12/2025	
2			Start Date		
			Due Date		
3			Start Date		
			Due Date		
4			Start Date		
			Due Date		
5			Start Date		
			Due Date		
6			Start Date		
			Due Date		
7			Start Date		
			Due Date		
8			Start Date		
			Due Date		
9			Start Date		
			Due Date		
10			Start Date		
			Due Date		

New Treatment Tasks / Opportunities

		Task Owner	Dates		% completed & Narrated Progress
1	None		Start Date		
			Due Date		
2			Start Date		
			Due Date		
3			Start Date		
			Due Date		
4			Start Date		
			Due Date		

New Treatment Tasks / Opportunities

		Task Owner	Dates		% completed & Narrated Progress
1	None		Start Date		
			Due Date		
2			Start Date		
			Due Date		
3			Start Date		
			Due Date		
4			Start Date		
			Due Date		

5		Start Date Due Date		5		Start Date Due Date	

6. Risk Control Effectiveness *	7. Consequence Factor *	8. Likelihood Factor *	9. Current Risk Ranking *	10. Potential Exposure * (Refer to latest standard)	11.Targeted Risk Rating	12.*Targeted Rating Due Date	13 Targeted Risk Rating Comments	14. Risk Owner *
Mostly Ineffective	2	E	II		IV			Abel Vuma
Likelihood Justification			**Consequence Justification**					

Key Risk Indicator (KRI) *	Acceptable *	Tolerance *	Unacceptable *	KRI Status	KRI Status Comments

COMPILED BY		SUPPORTED BY		ACCEPTED BY		APPROVED BY	
NAME	Ntombifuthi Ngwenya	NAME	Bongekile Makini	NAME	Abel Vuma	NAME	
DESIGNATION	Snr Supervisor Tech	DESIGNATION	EMD Manager	DESIGNATION	Maintenance Group Manager	DESIGNATION	
DATE	02/12/2025	DATE	02/12/2025	DATE	02/12/2025	DATE	
SIGNATURE		SIGNATURE		SIGNATURE		SIGNATURE	

PARTICIPANTS

NR	INITIALS & SURNAME	DEPARTMENT/DESIGNATION	DATE	SIGNATURE
1	M Monyai	Electrical Engineering	02/12/2025	
2	S Mazibuko	Snr Technician	02/12/2025	
3	C Lepee	Snr Technologist Electrical	02/12/2025	
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