

	Strategy	Engineering
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1. INTRODUCTION

Eskom routinely appoints contractors specifically for outage periods. This approach accelerates the maintenance of the plant during shutdowns, which typically occur within a constrained timeframe, often lasting up to three months. To ensure sufficient resources and timely execution of the required work, Eskom has issued a tender for the appointment of contractors capable of providing additional support in the maintenance of electrical plant. This includes electrical equipment associated with boilers and their auxiliaries, turbines and their auxiliaries, as well as ash handling systems and the coal stockyard.

1.1 SCOPE

Technical Evaluation Strategy for outage Electrical Outage Resources for Tutuka Power Station as outlines in the Scope of Work (SOW) document 15ENG GEN-3243. In the SOW, the Contractor shall provide competent, suitably qualified, and adequately resourced electrical personnel to execute all outage-related activities at Tutuka Power Station as described in this document.

The Contractor's resources shall include, but not be limited to, the following personnel:

- Electrical Artisans
- Electrical Technicians
- Supervisor
- Safety Officer
- General Labourer

The Contractor shall ensure that all personnel are appropriately trained, medically fit, authorised, and competent to perform the assigned tasks in accordance with applicable legislation, site requirements, Employer standards, and approved work procedures.

The Contractor is required to maintain sufficient staffing levels throughout the outage period to ensure that all planned work is executed safely, efficiently, and within the approved outage schedule.

1.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

1.1.2 Applicability

Applicable to Tutuka Power Station.

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1.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

1.2.1 Normative

- [1] 240-168966153: Generation Tender Technical Evaluation Procedure
- [2] 240-48929482: Tender Technical Evaluation Procedure (Transmission and Distribution)

1.2.2 Informative

1.3 DEFINITIONS

.Keyword	Explanation
Scope of Work	The defined tasks, responsibilities, and activities covered under the contract.
Planned Maintenance	Scheduled maintenance activities to prevent equipment failure.
Breakdown / Repair	Corrective work done after an equipment fault or failure.
Outage	Period when a unit or plant is shut down for maintenance.
Preventative Maintenance	Actions taken to avoid breakdowns (inspections, servicing).
Corrective Maintenance	Repair work performed after a fault has been detected.
Routine Maintenance	Regularly scheduled maintenance work.
Modification Implementation	Changes or upgrades made to improve plant performance.
Call Outs	Emergency service request outside normal hours.
Testing	Verification of equipment condition and performance.
Fault-Finding	Process of identifying and diagnosing electrical problems.
Substation	Facility where voltage is transformed or distributed.
Transformer	Electrical device used to step up or step down voltage.
Supervisor	Person in charge of overseeing contractor work.
Artisan	Skilled electrical tradesperson.
Labourer	Worker supporting artisans in tasks.
Notification	Employer's official request to perform work.
Work Orders	Authorized document directing specific work.
Spares	Replacement parts for maintenance.
Consumables	Items used during work (e.g., cleaning materials, lubricants).
Test Equipment	Devices used to check and verify electrical conditions (e.g., Megger, Ductor, Multimeter).
Certificate of Compliance	Legal document certifying electrical work meets standards.
Standby	Period when contractors are available outside normal working hours.
Service Manager	Employer's representative overseeing contract execution.
Employer's Requirements	Standards and conditions set by the client (Tutuka Power Station).

1.3.1 Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary).

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1.4 ABBREVIATIONS

Abbreviation	Description
CV	Curriculum Vitae
DOL	Department of Labour
N/A	Not Applicable
OHSACT	Occupational Health and Safety Act
QCP	Quality Control Plan
TET	Technical Evaluation Team

1.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure for Generation

OR

240-48929482: Tender Technical Evaluation Procedure for Transmission and Distribution

1.6 PROCESS FOR MONITORING

The **SWO** requires that, the Contractor's performance and progress shall be monitored throughout the outage period to ensure compliance with the contract requirements, outage schedule, quality standards, and safety requirements.

The Contractor shall provide the Employer's Service Manager and Supervisor with daily outage progress feedback, which shall include, but not be limited to:

- Work completed during the reporting period.
- Work in progress.
- Planned activities for the next reporting period.
- Resource utilisation and manpower status.
- Safety observations, incidents, and corrective actions.
- Quality concerns, constraints, and risks affecting outage progress.
- Any emergent work or scope changes identified.

The Contractor shall submit outage reports at intervals specified by the Employer and upon completion of the outage. The reports shall include:

- A summary of maintenance, inspection, testing, and repair activities performed.

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- The condition of the plant and equipment inspected or serviced.
- Components or equipment found to be defective or failed.
- The probable cause of failures or defects identified.
- Corrective actions taken to restore equipment to service.
- Recommendations for future maintenance, refurbishment, replacement, or reliability improvement.
- Outstanding defects, risks, or follow-up actions requiring attention.
- Supporting test results, inspection records, photographs, and quality documentation where applicable.

The Employer reserves the right to review, audit, and verify all reported information and may request additional information or clarification where necessary.

1.7 RELATED/SUPPORTING DOCUMENTS

N/A

2. TENDER TECHNICAL EVALUATION STRATEGY

2.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

Table 1 Scoring Table

Score	Percentage	Description
5	100	Meets Employer's requirements: no errors, risks, weakness or omissions
4	80	Meets Employer's requirements with qualifications: some qualifications required from tenderer to eliminate the errors, risks, weaknesses, or omissions
2	40	Substantially does not meet Employer's Requirements: many errors, risks, weaknesses or omissions which may be difficult to be corrected or overcome and make acceptable.
0	0	Totally deficient / non-responsive

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2.2 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1		Snr Electrical Engineer
TET 2		Snr Advisor Engineering
TET 3		Snr Supervisor Maintenance
TET 4		Snr Outage Coordinator

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2.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Registration as an Electrical Contractor with DOL	Valid Certificate (Registration to be with reference to Tenderer Company or confirmation of Contract with Registered Persons)	Valid company

2.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Previous work experience on similar project with references	As per 15ENG GEN-3243	30	
	1.1 The contractor should have experience working on Electrical Outage maintenance projects at a power station Score 5 if experience is ≥ 3 years Score 4 if experience is >2 years Score 2 if experience is 1 to 2 years Score 0 if experience is < 1 year	Proof of similar projects Minimum of 2 References preferable		100
2.	Technical ability	As per 15ENG GEN-3243	10	
	2.1 Proof of technical ability with tools – Score 5 Tool list – Score 5 if list is more than 80% according to scope of works Score 4 if experience is 70 to 80% according to scope Score 2 if experience is 60- 69% according to scope Score 0 if experience is < 60% according to scope	Reports or previous works as evidence of competency on these tools: • 500 V Insulation Resistance Tester (Megger). • 5 kV High Voltage Insulation Resistance Tester (HV Megger). • Ductor Tester (Micro-Ohmmeter). • Surge Generator / HV Cable Fault Locator (HV Thumper).		100

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			• High Voltage Test Stick (Voltage Detector). • DC High-Potential (Hipot) Tester. • Digital Multimeters (e.g., Fluke or equivalent). • Earth Leakage Testers. • Certificate of Compliance (CoC) Test Kit, including: ○ Loop Impedance Tester. ○ Earth Resistance Tester. ○ Prospective Short Circuit (PSCC) Tester. ○ Phase Rotation Tester. • Clamp-on Ammeter (Amp Probe).		
3.	Method statement and Quality control measures Contractor to submit a COMPREHENSIVE METHOD STATEMENTS for executing the Electrical outage scope of work	As per 15ENG GEN-3243	20		
	3.1 Provide TRADE SPECIFIC TASKS METHOD STATEMENTS for the following: Electrical Outage relevant to the scope: Task Specific method statement with defined sequence Score 5 – for a complete plan and feasible plan. Score 4 = If the plan is complete & acceptable	Method Statement			50

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		Score 2 If the plan meets technical requirement(s). Score 0 – If the plan is not feasible and does not meet technical requirements			
	3.2	Quality Control Plan – Sample of company QCP relevant to Electrical works as per scope of work: Quality Control Plan. (Template for executing any work related to the Scope of works) Score 5 – for a complete plan and feasible plan. Score 4 = If the plan is complete & acceptable Score 2 If the plan meets technical requirement(s). Score 0 – If the plan is not feasible and does not meet technical requirements	Quality Control Procedure or sample plan		50
4.	Experience of Key Personnel		As per 15ENG GEN-3243	40	
	4.1	Electricians Each Electrical Artisan shall: • Be in possession of a recognised Electrical Trade Test Certificate. • Have a minimum of three (3) years' relevant post-trade experience on power generation, heavy industrial, or similar plant environments as specified in this contract.	Comprehensive CV must be attached. Proof of trade Certificate and experience Driver's License		40

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		• Be competent in fault finding, maintenance, repair, testing, and commissioning of electrical equipment within the scope of this contract. In addition, a minimum of two (2) Electrical Artisans shall: • Be registered as Three-Phase Installation Electricians. • Possess valid Installation Electrician (IE) registration numbers. • Maintain registration for the duration of the contract. All employees must have driver's licence. Score if above met and: Score 5 if experience is ≥ 3 years Score 4 if experience is 3 years Score 2 if experience is 1 to 2 years Score 0 if experience is < 1 year			
4.2	Contractor Supervisor The Supervisor shall:	Comprehensive CV must be attached.		30	

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		• Be in possession of a recognized Electrical Trade Certificate and supervisor qualification. • Have a minimum of five (5) years' relevant experience as an Electrical Supervisor on power generation, heavy industrial, or similar plant environments as specified in this contract. • Demonstrate the ability to manage outage resources, quality requirements, safety compliance, and work execution activities. Score if above met and: Score 5 if experience is ≥ 3 years Score 4 if experience is 3 years Score 2 if experience is 1-2 years Score 0 if experience is < 1 year	Driver's licence and proof of experience	
4.3	Contractors Safety Officer and Planner Grade 12 certificate, Safety qualification, have a driver's licence, have 3 years' experience. Planner must be proficient in Primavera/MS Projects and minimum of three years experience. Score if above met and experience for both:	CV of planner and safety officer. Proof of primavera/MS project proficiency and three years experience for the planner.	30	

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		Score 5 if experience is $\geq$ 3 years Score 4 if experience is 3 years Score 2 if experience is 1 to 2 years Score 0 if experience is $<$ 1 year	The safety officer must have three years work experience and proof of safety qualifications.		
				TOTAL: 100	

2.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	x

2.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

2.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	Incorrect allocation of listed appointed personnel

Table 7: Unacceptable Technical Risks

Risk	Description
1.	No responsible person
2.	Not enough resources
3.	No previous work done
4.	Equipment not according to scope

2.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	No qualification/certification

3. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
	Engineering Manager
	Electrical Engineering Manager
	Snr Supervisor
	Snr Supervisor
	Snr Electrical Engineer
	Snr Supervisor
	Snr Supervisor Tech Maintenance
	Outage Coordinator
	Snr advisor Engineering

4. REVISIONS

Date	Rev.	Compiler	Remarks
June 2026	1		Technical Evaluation Strategy

5. DEVELOPMENT TEAM

The following people were involved in the development of this document:

6. ACKNOWLEDGEMENTS

N/A

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