

 Eskom	Strategy	Risk and Assurance
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1. INTRODUCTION

This document establishes the technical evaluation strategy for the evaluation of suppliers that will be tendering in response of a request to provide Quality Assurance Activities and Performance of Physical Inspections on Outage activities at Tutuka Power Station for a period of 5 years.. This technical evaluation strategy includes a detailed scope of works/supply, mandatory and qualitative technical evaluation criteria. Technical evaluation criteria list all the key aspects that will be used to adequately assess submitted returnable in order to find a suitable supplier to render the services required. Furthermore, it will ensure transparency in the evaluation process as per the requirements set out in the Generation Tender Engineering Evaluation Procedure (240-168966153) [1].

2. SUPPORTING CLAUSES

2.1 SCOPE

Provision of Quality Assurance Activities and Performance of Physical Inspections on Outage activities at Tutuka Power Station for a period of 5 years.

2.1.1 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.

2.1.2 Applicability

This document applies to Tutuka Power Station.

2.1.3 Effective date

When the

2.2 NORMATIVE/INFORMATIVE REFERENCES

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

2.2.1 Normative

- [1] 240-168966153: Generation Tender Technical Evaluation Procedure
- [2] 240-106628253: Standard for Welding Requirements on Eskom Plant

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- [3] 32-1034: Eskom Procurement and Supply Chain Management Procedure
- [4] 32-1033: Eskom's Procurement and Supply Chain Management Policy
- [5] 240-53114186: Document and Records Management
- [6] 240-53665024: Engineering Quality Manual
- [7] ISO 9001 Quality Management Systems.

2.2.2 Informative

- [1] SANS 10108: The classification of hazardous locations and the selection of apparatus for use in such locations
- [2] OHSA: Occupational Health and Safety Act 85 of 1983
- [3] 15 ENG 0903: Tutuka Power Station Outage Philosophy
- [4] Occupational Health and Safety Act, 1993 (No 85 of 1993): OHS Act, Regulation and code
- [5] QM58: Eskom's Quality Requirements

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
ISO	International Standards Organization
OEM	Original Equipment Manufacturer
OHS	Occupational Health and Safety
QCP	Quality Control Plan
QMS	Quality Management System
SA	South Africa
SANS	South African National Standards
TET	Technical Evaluation Team

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WPS	Welding Procedure Specification
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2.5 ROLES AND RESPONSIBILITIES

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

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

240-168966153: Generation Tender Technical Evaluation Procedure.

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION METHOD

The evaluation will be based on a two stage Technical Evaluation Strategy.

Stage 1: Mandatory Technical Evaluation Criteria (gatekeepers) are 'must meet' criteria. These criteria are not weighted or points scored but, are assessed on a Yes/No basis to ascertain whether or not the criteria are met. An assessment of 'No' against any mandatory criterion will disqualify the tenderer and the tenderer will not be evaluated against Qualitative Criteria.

Stage 2: Qualitative Technical Evaluation Criteria is weighted evaluation criteria used to identify the highest technically ranked tenderer. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion. The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

A weighted score-card approach is used to evaluate the technical compliance of the tenders against the specifications. The scoring method will be as follows:

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SCORE	PERCENTAGE	DESCRIPTION
5	100	COMPLIANT • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; ☐ Acceptable conditions.
2	40	NON-COMPLIANT AND/OR; ☐ Does not meet technical requirement(s) Unacceptable technical risk(s) AND/OR; ☐ Unacceptable exceptions AND/OR; ☐ Unacceptable conditions.
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE

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3.2 TECHNICAL EVALUATION THRESHOLD

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

3.3 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	David Sindane	Senior Advisor Quality Engineering
TET 2	Vinod Chellamcott	Officer Quality Assurance
TET 3	Lilian Mokhasinyane	Office Documentation Management

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3.4 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
	ISO 9001:2015 QMS Certified or Implemented QMS	ISO 9001:2015 Certificate OR The following documented information: <i>Quality Manually, Quality Policy, Quality Objectives, and Control of non-conforming outputs)</i>	The scope of work to be executed is a high priority which requires the tender to be aligned and certified with ISO 9001:2015

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	C&I Quality Inspector - N6+Trade Test in Electrical Engineering (Light Current) 10 years Heavy Industrial or Power Station Experience - DCS/SCADA/PLC Training	Returnable: - Qualification + CV + DCS/SCADA/PLC Certificate + 10 Years experience = Score [5] - Qualification + CV + DCS/SCADA/PLC Certificate + 8 Years experience = Score [4] - Qualification + CV + DCS/SCADA/PLC Certificate + 5 Years experience = Score [2]	10	100

		- Qualification + CV + DCS/SCADA/PLC Certificate + - Less than 5 Years experience or not meeting requirements = Score [0]		
2.	Boiler/Welding Quality Inspector - SAIW Welding and Fabrication Inspector Level I & II 10 years Heavy Industrial or Power Station Experience - National Diploma in Mechanical Engineering (Added advantage)	Returnable: - Qualification + CV + 10 Years experience = Score [5] - Qualification + CV + 8 Years experience = Score [4] - Qualification + CV + 5 Years experience = Score [2] - Qualification + CV + Less than 5 Years experience or not meeting requirements = Score [0]	15	100
3	Mechanical Quality Inspectors (Auxiliary, Boiler & Outside) - N6+Trade Test in Mechanical Engineering 10 years Heavy Industrial or Power Station Experience - Alignment training - Milling plant experience - Conveyor experience - Pumps experience - National Diploma in Mechanical Engineering (Added advantage)	Returnable: <u>3 x Submission for each of the following:</u> - Qualification + CV + Alignment certificate + 10 Years experience (Mills, Pumps, and Conveyors) = Score [5] - Qualification + CV + Alignment certificate + 8 Years experience (Mills, Pumps, and Conveyors) = Score [4]	50	100

		- Qualification + CV + Alignment Certificate + 5 Years experience (Mills, Pumps, and Conveyors) = Score [2] - Qualification + CV + Alignment Certificate + Less than 5 Years experience (Mills, Pumps, and Conveyors) or not meeting requirements = Score [0]		
6.	Electrical Quality Inspector - N6+Trade Test in Electrical Engineering (Heavy Current) 10 years Heavy Industrial or Power Station Experience - National Diploma in Electrical Engineering (Added advantage)	Returnable: - Qualification + CV + 10 Years experience = Score [5] - Qualification + CV + 8 Years experience = Score [4] - Qualification + CV + 5 Years experience = Score [2] - Qualification + CV + Less than 5 Years experience or not meeting requirements = Score [0]	10	100

7.	Turbine Quality Inspector • N6+Trade Test in Mechanical Engineering • 10 years Heavy Industrial or Power Station Experience • National Diploma in Mechanical Engineering (Added advantage) • Fitting and Turner training • Alignment training	Returnable: • Qualification + CV + Fitting and Turner Certificate + Alignment Certificate 10 Years experience = Score [5] • Qualification + CV + Fitting and Turner Certificate + Alignment Certificate 8 Years experience = Score [4] • Qualification + CV + Fitting and Turner Certificate + Alignment Certificate 5 Years experience = Score [2] • Qualification + CV + Fitting and Turner Certificate + Alignment Certificate + Less than 5 Years experience or not meeting requirements = Score [0]	15	100
			TOTAL: 100	

3.6 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Qualitative Criteria Number	TET 1	TET 2	TET 3
1	Evaluate all tender returnable	Evaluate all tender returnable	Evaluate all tender returnable
2	Evaluate all tender returnable	Evaluate all tender returnable	Evaluate all tender returnable
3	Evaluate all tender returnable	Evaluate all tender returnable	Evaluate all tender returnable
4	Evaluate all tender returnable	Evaluate all tender returnable	Evaluate all tender returnable
5	Evaluate all tender returnable	Evaluate all tender returnable	Evaluate all tender returnable
6	Evaluate all tender returnable	Evaluate all tender returnable	Evaluate all tender returnable
7	Evaluate all tender returnable	Evaluate all tender returnable	Evaluate all tender returnable

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Any member(s) with a direct conflict of interest with any supplier when tender returnable documents received for technical evaluation will be immediately removed from the technical evaluation team. The member(s) will not participate in the technical evaluation any further. It will be indicated on the assessment sheet and supported with the declaration of interest form.

Replacement of technical evaluation members can be done in formal appointment letters issued with signature of appointment by some person and/or person in his/her position as the initial appointment letters. Reason for replacing a member must be clearly stated on appointment. If it is an acting person, an acting letter must be accompanied by appointment letter.

Changes to TET members will be done as an amendment of this strategy and will not require revision of it.

Technical desktop evaluation will require minimum of 2 members to perform the evaluation.

3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Risk	Description
1.	N/A
2.	N/A

Table 5: Acceptable Technical Risks

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Table 6: Unacceptable Technical Risks

Risk	Description
1.	No qualification and relevant experience
2.	

3.7.2 Exceptions / Conditions**Table 7: Acceptable Technical Exceptions / Conditions**

Risk	Description
1.	N/A
2.	N/A

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	
2.	

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4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Kagiso Molokoane	Middle Manager Engineering
Pieter Potgieter	Middle Manager Business

5. REVISIONS

Date	Rev.	Compiler	Remarks
November 2023	1	D Sindane	New Document

6. DEVELOPMENT TEAM

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

N/A

7. ACKNOWLEDGEMENTS

None.

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