Eskom	Technical Evaluation Strategy	Generation Tutuka Power Station Risk and Assurance

Title:	**The provision of Quality Assurance Activities on Outages (Planned and Unplanned), Maintenance and Projects activities at Tutuka Power Station for a period of 5 years**	Unique Identifier:	**14RISK QTY-00270**
		Alternative Reference Number:	**N/A**
		Area of Applicability:	**Risk and Assurance**
		Documentation Type:	**Technical Evaluation**
		Revision:	**1**
		Total Pages:	**16**
		Next Review Date:	**N/A**
		Disclosure Classification:	**CONTROLLED DISCLOSURE**

Compiled by	Functional Responsibility	Authorised by
.....	.....	.....
Marius Prinsloo	**Boitumelo Kotu**	**Lameck Nyakane**
Quality Officer	**Quality Manager**	**Risk Assurance Manager (Acting)**
Date: 11-08-2025	Date: 11.08.2025	Date: 13.08.2025

CONTENTS

Page

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

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 Outages (Planned and Unplanned), Maintenance and Projects 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)

1.1 Scope

Provision for Quality Assurance Activities on Outages (Planned and Unplanned), Maintenance and Projects activities at Tutuka Power Station for a period of 5 years.

1.1.1 Purpose

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

1.1.2 Applicability

This document applies to the Tender Evaluation Team for the Tutuka Power Station chain supplies.

1.1.3 Applicability

The effective date will be from the authorisation date.

1.2 Normative/Informative References

Parties using this document shall use the most recent editions of the documents listed in the following paragraphs.

1.2.1 Normative

[1] 240-48929482: Tender Technical Evaluation Procedure

[2] 240-48929482: Tender Technical Evaluation scoring form template

[3] ISO 9001:2015: Quality Management Systems

[4] 32-1034 Eskom Procurement Policy

1.2.2 Informative

N/A

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

1.3 Definitions

1.3.1 Classification

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

1.4 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
WPS	Welding Procedure Specification

1.5 Roles and Responsibilities

As per 240-48929482: Tender Technical Evaluation Procedure

1.6 Process for monitoring

Monthly reports

1.7 Related/Supporting Documents

[1] 240-48929482: Tender Technical Evaluation Procedure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

2. Tender Technical Evaluation Strategy

2.1 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:

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** • Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.
0	0	**TOTALLY DEFICIENT OR NON-RESPONSIVE**

The evaluation scores will be weighted as follows according to disciplines:

Technical (100%)	
Quality Assurance and Inspection Activities	100%
Project Management (N/A)	
TOTAL (100%)	
Overall minimum threshold for qualification (70%)	

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

2.2 Technical Evaluation Threshold

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

2.3 TET Members

Table 1: TET Members

TET Number: Section to be evaluated	TET Member Name	Designation
TET 1	Marius Prinsloo	Quality Officer
TET 2	Keamogetse Merementsi	Senior Advisor Quality Engineering
TET 3	Boitumelo Kotu	Quality Manager
TET 4	Lameck Nyakane	Risk and Assurance Manager

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

2.4 Mandatory Technical evaluation criteria

Table 2: Qualitative Technical Evaluation Criteria

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

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

2.5 Qualitative Technical evaluation

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** National Diploma in Instrumentation Engineering (Light Current/C&I) 5 years Heavy Industrial Experience of which 3 years at a Power Station 3 Years Quality Control experience DCS/SCADA/PLC experience. Commissioning and Decommissioning Experience Knowledge of ISO 9001:2015 standard Knowledge of pneumatics and hydraulics Data book inspection and reviews	**Returnable:** Qualification + CV + DCS/SCADA/PLC Certificate + 5 Years experience = Score **[5]** Qualification + CV + DCS/SCADA/PLC Certificate + 4 Years experience = Score **[4]** Qualification + CV + DCS/SCADA/PLC Certificate + 3 Years experience = Score **[2]** Qualification + CV + DCS/SCADA/PLC Certificate + Less than 3 Years experience or not meeting requirements = Score **[0]**	**10**	**100**

2.	**Welding Quality Inspector** SAIW Welding and Fabrication inspector Level I and Level II National Diploma in Mechanical Engineering (Added advantage) IIW International Welding Inspector Comprehensive (IWI-C) IIW International Welding Inspector Standard (IWI- S) 5 years Heavy Industrial Experience of which 3 years at a Power Station 3 Years Quality Control experience in welding Knowledge of receiving and Inspections on all plates, pipes and tools components. Experience and good knowledge of scope of work reviews. Review of QCP's, Verification of Drawings and Materials. Verification marking out of cut lines as per Engineering Instructions. Verification of NOT reports and procedures. Verification of consumables. Witnessing of fit-ups, root runs and weld contour. Verify welding procedures and welding qualifications. Control of deviation through NCR procedures. Final inspection data book reviews and release.	**Returnable:** Qualification + CV + 5 Years experience = Score **[5]** Qualification + CV + 4 Years experience = Score **[4]** Qualification + CV + 3 Years experience = Score **[2]** Qualification + CV + Less than 3 Years experience or not meeting requirements = Score **[0]**	**15**	**100**

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

	In depth knowledge of all welding standard, design, inspections and testing Codes Specifications relevant to the Power Generation industry. Witnessing of pressure and leak tests. Red seal welding certificate is an added Data book inspection and reviews Knowledge of ISO 9001:2015 standard.			

3.	**Outside Plant and inside plant Mechanical Quality Inspector** National Diploma in Mechanical Engineering Trade test certificate in fitting and turning 5 years post apprentice experience 3 years specializing on rotating equipment e.g. pumps Must have 3 years Mechanical Quality inspection experience Should be able to read micrometers (inside & outside micrometers) Should be able to work to very close tolerances of about(0.02mm) Should be able to use a clock gauge/dial test indicator Should be able to check run outs	**Returnable:** Qualification + CV + Alignment certificate 5 Years experience = Score **[5]** Qualification + CV + Alignment certificate + 4 Years experience = Score **[4]** Qualification + CV + Alignment Certificate + 3 Years experience = Score **[2]**	**30**	**100**

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

	Must be able to verify laser alignment Should be able to read engineering drawings Knowledge of pneumatics and hydraulics Knowledge of NCR processes Knowledge of ISO 9001:2015 standard Data book inspection and reviews.	Qualification + CV + Alignment Certificate + Less than 3 Years experience or not meeting requirements = Score **[0]**		
4.	**Electrical Quality Inspector (All plant areas)** National Diploma in Electrical Engineering (Heavy Current) 5 years Heavy Industrial Experience of which a minimum of 3 years should be at a Power Station. 3 Years Electrical QC Inspector Must be able to review scopes, generate or review PQPs Must be able to read engineering Drawings Knowledge of NCR processes Knowledge of ISO 9001:2015 standard Conduct Quality Audits Data book inspection and reviews	**Returnable:** Qualification + CV + 5 Years experience = Score **[5]** Qualification + CV + 4 Years experience = Score **[4]** Qualification + CV + 3 Years experience = Score **[2]** Qualification + CV + Less than 3 Years experience or not meeting requirements = Score **[0]**	**10**	**100**
5.	**Turbine and Valve Quality Inspector** National Diploma in Mechanical Engineering Trade test in fitting and machining	**Returnable:** Qualification + CV + Fitting and Turner Certificate + Alignment Certificate 5 Years experience = Score **[5]**	**15**	**100**

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

	5 years post apprenticeship Experience Of which 3 years should be power station experience. Must have 3 years Turbine and Generator inspection experience 3 Years Quality Control experience in the overhauling of the turbine/generator Have experience in the overhauling of the following pumps, valves (H.P & I.P control valves, emergency stop valves), lube oil systems, oil pumps Should have experience in pressure testing of equipment Should be able to read micrometers (inside & outside micrometers) Should be able to work to very close tolerances of about (0.02mm) Should be able to use a clock gauge/ dial test indicator Should be able to check run outs on Shafts Must be able to review scopes, generate or review PQPs Must be able to read engineering Drawings Must be competent in conditioning monitoring i.e. vibration analysis, tribology, Must have knowledge of turbine maintenance philosophy Knowledge of pneumatics and hydraulics Knowledge of NCR processes Knowledge of ISO 9001:2015 standard	Qualification + CV + Fitting and Turner Certificate + Alignment Certificate 4 Years experience = Score **[4]** Qualification + CV + Fitting and Turner Certificate + Alignment Certificate 3 Years experience = Score **[2]** Qualification + CV + Fitting and Turner Certificate + Alignment Certificate + Less than 3 Years experience or not meeting requirements = Score **[0]**		

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

	Data book inspection and reviews			
6.	**Auxiliary Quality Inspector** National Diploma in Mechanical Engineering 5 years Heavy Industrial Experience of which 3 years at a Power Station Engineering drawings interpretation 3 years chemical and water plant experience 3 years' experience in quality control Knowledge of ISO 9001:2015 standard Cooling Water systems for Power plants 3 years Condition monitoring experience Plant and equipment alignment (clock gauge/laser) Practical Machinery Vibration analysis & Predictive Maintenance 3 Years RBO experience ASME -Setting of Standards Pump maintenance Gear box maintenance 5 years knowledge in compressor maintenance 5 years machine-shop experience with limits and fits	**Returnable:** Qualification + CV + 5 Years experience = Score **[5]** Qualification + CV + 4 Years experience = Score **[4]** Qualification + CV + 3 Years experience = Score **[2]** Qualification + CV + Less than 3 Years experience or not meeting requirements = Score **[0]**	**10**	**100**

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

	Knowledge of Boiler Plant Operation Deming Water plant Operation Fluid Catalytic Cracking Unit Operation Data book inspection and reviews			
7.	**Quality Supervisor** National Diploma in Engineering/Quality 5 years Heavy Industrial Experience of which 3 years at a Power Station, 2 years Supervisory Experience 3 Years Quality Control/Assurance experience Certificate of any Quality related courses Knowledge of ISO 9001: 2015 quality management system 2 Years Quality Auditing Experience Sound knowledge of Eskom Business processes Knowledge of safety and risk assessment Root Cause Analysis	**Returnable:** Qualification + CV + 5 Years experience = Score **[5]** Qualification + CV + 4 Years experience = Score **[4]** Qualification + CV + 3 Years experience = Score **[2]** Qualification + CV + Less than 3 Years experience or not meeting requirements = Score **[0]**	**10**	**100**

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

	Failure mode effective analysis Knowledge of supplier audits Knowledge of deviation control through NCR procedures. Data book inspection and reviews			

Controlled Disclosure

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

2.6 Technical Evaluation Team Member Responsibilities

The responsibilities of the Technical Evaluation Team are listed on the table below.

Table 4: TET Member Responsibilities

Qualitative Technical Criteria Description	TET 1	TET 2	TET 3	TET 4
1. Ensure that evaluation process is executed to the set criteria and standard.	X	X	X	X

2.7 Foreseen Acceptable/Unacceptable Qualifications

2.7.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	**If overall score is above 70%**

Table 6: Unacceptable Technical Risks

Risk	Description
1.	**None**

2.7.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	**None**

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	**None**

CONTROLLED DISCLOSURE

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorized version on the system. No part of this document may be reproduced in any manner or form by third parties without the written consent of Eskom Holdings SOC Ltd, © copyright Eskom Holdings SOC Ltd, Reg No 2002/015527/30

3. Acceptance

This document has been seen and accepted by:

Name	Designation
Marius Prinsloo	Quality Officer
Keamogetse Merementsi	Senior Advisor Quality Engineering
Boitumelo Kotu	Quality Manager
Lameck Nyakane	Risk and Assurance Manager (Acting)

4.Revisions

Date	Rev.	Compiler	Remarks
07 August 2025	1	Marius Prinsloo	Draft document for comments

5.Development Team

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

- Marius Prinsloo
- Keamogetse Merementsi
- Mosioua Mona
- Boitumelo Kotu

6.Acknowledgements

- N/A

CONTROLLED DISCLOSURE

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorized version on the system. No part of this document may be reproduced in any manner or form by third parties without the written consent of Eskom Holdings SOC Ltd, © copyright Eskom Holdings SOC Ltd, Reg No 2002/015527/30