Eskom	TECHNICAL EVALUATION STRATEGY	Lethabo Power Station

Title: **Tender Technical Evaluation Strategy for Boiler Burner Fire Protection Maintenance Contract at Lethabo Power Station**

Unique Identifier:	
Alternative Identifier	**LET08025**
Document Type	**TES**
Functional Area	Engineering
Revision:	**00**
Total Pages:	**11**
Next Review Date:	**N/A**
Disclosure Classification:	**Controlled Disclosure**

This document has been approved and authorised by:

Compiled by:	Approved by Functional Responsibility:	Authorised by:
.....	.....	.....
G Nieuwoudt	**J Brink**	**T Njapha**
Outside Plant Engineer	**Manager Outside Plant Engineering**	**Manager Engineering**
Date: 2025-12-03	**Date:** 2025-12-03	**Date:** 2025-12-15

CONTENTS

TABLES

1. INTRODUCTION

Lethabo Power Station is a coal-fired power station located in Free State Province, South Africa It comprises six 618MW production units (i e , installed capacity of 3 708MW) The station's operational safety and reliability depend on the effective functioning of the Boiler Burner Fire Protection system This system plays a critical role in preventing fire hazards associated with burner operations, ensuring compliance with safety standards and uninterrupted energy production

2. SUPPORTING CLAUSES

2.1 SCOPE

This document outlines the technical evaluation strategy for the maintenance contract of the Boiler Burner Fire Protection system It includes evaluation criteria, team responsibilities, and references to applicable Eskom standards relevant to fire protection systems

2.1.1 Purpose

The purpose of this strategy is to define the qualitative and mandatory evaluation criteria for assessing tenders related to the maintenance of the Boiler Burner Fire Protection system, ensuring technical compliance, safety assurance, and operational reliability

2.1.2 Applicability

This document applies to Lethabo Power Station only

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

- 240-48929482 Tender Technical Evaluation Procedure
- 240-70240749 Strategic and Critical Spares Policy
- 32-1033 Eskom Procurement and Supply Chain Management Policy
- 32-1034 Eskom Procurement and Supply Management Procedure
- 240-123801640 - Standard for Low Pressure Pipelines
- 240-54937450 - Fire Protection and Life Safety Design Standard
- 240-54937454 – Inspection Testing and Maintenance of Fire Protection Systems Standard

2.2.2 Informative

- 240-48197042 Procedure for the Identification and Planning of Plant Asset Obsolescence

2.3 DEFINITIONS

2.3.1 Classification

a) Controlled disclosure controlled disclosure to external parties (either enforced by law, or discretionary)

Term	Description
Authorised Supervisor (AS)	A person certified and designated to oversee and approve maintenance activities, ensuring compliance with safety and technical standards
Fire Protection System	A system designed to detect, suppress, and prevent fires in industrial environments, including components such as flame detectors, suppression agents, and control panels
Maintenance	Planned activities carried out to ensure continued functionality, reliability, and safety of equipment, including inspections, repairs, and replacements
Method Statement	A detailed document outlining how specific maintenance tasks will be performed, including sequencing, safety measures, and risk mitigation
Outage	A scheduled period during which equipment is taken offline for maintenance, inspection, or upgrades
Spare	An item intended to replace a corresponding item to retain or maintain the original required function of the item

2.4 ABBREVIATIONS

Abbreviation	Description
AS	Authorised Supervisor
CV	Curriculum Vitae
ISO	International Organization for Standardization
MW	Megawatt
OEM	Original Equipment Manufacturer
PPE	Personal Protective Equipment
QMS	Quality Management System
SOW	Scope of Work
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482 Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

- N/A

2.7 RELATED/SUPPORTING DOCUMENTS

- N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

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

3.2 TET MEMBERS

At least two members from each section will evaluate, depending on section resource availability in the section at the time of evaluation Additional members are allowed to evaluate TET members will be appointed in writing

Table 1 TET Members

TET number	TET Member Name	Designation
TET 1	Gerhardt Nieuwoudt	Outside Plant Engineer
TET 2	Granny Ntseoane	Outage Coordinator

3.3 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**
1	ISO9001 Quality Management System	Tender returnable must include a copy of ISO9001 accreditation certificate that is valid at the time of tender submission	To ensure supplier has a quality management system in place

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3 Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Tender Returnable	Criteria Weighting (%)
	Experience on maintaining and repairing fire protection systems Company profile indicating individual related experience Submit at least 2 traceable references of previous projects executed with similar scope **Scoring Criteria:** 0 = No relevant experience 2 = Limited experience (1–2 years, one reference) 4 = Good experience (>2-3 years, one reference) 5 = Extensive experience (>3 years, 2 or more references with positive feedback)	Tenderer provides proof of relevant experience in similar maintenance contracts	35
	Submit an organogram with certificates and CV's for three Qualified Artisans (Fitters) and one Authorised Supervisor (AS) **Scoring Criteria:** 0 = No organogram, CVs or certifications submitted 2 = Limited qualifications or incomplete team in submission 4 = Submit CV's only for three Qualified Artisans (Fitters) and one Authorised Supervisor (AS) 5 = Submit an organogram with certificates and CV's for three Qualified Artisans (Fitters) and one Authorised Supervisor (AS)	Tenderer provides proof of availability of skilled personnel	20
	Submit a detailed method statement outlining the planned maintenance approach for the Boiler Burner Fire Protection system The statement must include task sequencing, risk mitigation measures, safety integration, and alignment with the scope of work The method statement must demonstrate understanding of the system's operational context and maintenance requirements The method statement **must** also indicate how secure storage, suitable for storing fire protection equipment and components during planned outages will be done **Scoring Criteria:** 0 = No method statement provided	Tenderer provides proof of understanding and capability to execute the scope of work	35

	Qualitative Technical Criteria Description	Reference to Tender Returnable	Criteria Weighting (%)
	2 = Generic method statement with limited relevance 4 = Detailed method statement aligned with scope 5 = Comprehensive method statement with risk mitigation, sequencing, and safety integration		
	Availability of a workshop or support facility within proximity to Lethabo Power Station to enable efficient mobilisation and logistical support for planned maintenance activities Submit address stating one-way distance to Lethabo Power Station **Scoring Criteria:** 0 = No local presence 2 = Workshop or support facility >300km from Lethabo Power Station 4 = Workshop or support facility within 100–300km of Lethabo Power Station 5 = Workshop or support facility within 100km of Lethabo Power Station	Tenderer provides proof of ability to support the site through local presence or facility proximity	10
			TOTAL: 100

3.5 TET MEMBER RESPONSIBILITIES

Table 4 TET Member Responsibilities

Mandatory Criteria Number	**TET 1**	**TET 2**
1	X	X
2	X	X

Qualitative Criteria Number	**TET 1**	**TET 2**
1	X	X
2	X	X
3	X	X
4	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5 Acceptable Technical Risks

Risk	Description
1	Equivalent products for obsolete material supported by datasheets where applicable
2	Use of alternative certified fire protection components if OEM parts are unavailable, provided they meet Eskom standards and are supported by documentation

Table 6 Unacceptable Technical Risks

Risk	Description
1	Use of uncertified or untested fire protection components
2	Lack of traceability or documentation for replaced parts
3	Inadequate planning for equipment handling during outages

3.6.2 Exceptions / Conditions

Table 7 Acceptable Technical Exceptions / Conditions

Risk	Description
1	As per the requirements set out under the Qualitative Technical Evaluation Criteria section 3 3 of this document
2	Minor deviations in maintenance sequencing if justified and risk-assessed

Table 8 Unacceptable Technical Exceptions / Conditions

Risk	Description
1	Deviations to any part of the technical schedules without providing alternate solutions
2	Failure to submit a method statement tailored to the scope
3	The bid submission is generic, incomplete, and not tailored to address the specific objectives and scope
4	Submitting generic documentation not aligned with fire protection systems

4. AUTHORISATION

This document has been seen and accepted by

Name	Designation	Signature
Gerhardt Nieuwoudt	Outside Plant Engineer	
Granny Ntseoane	Outage Coordinator	

5. REVISIONS

Date	Rev.	Compiler	Remarks
2025/10/10	1	G Nieuwoudt	Document compiled

6. DEVELOPMENT TEAM

The following people were involved in the development of this document

- Gerhardt Nieuwoudt

7. ACKNOWLEDGEMENTS

- TET members