

	Strategy	Maintenance
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Title: **Tender Technical Evaluation Strategy for Maintenance, Calibration and Spares Supply of Inlet and Outlet Oxygen Analysers on Boiler Gas Air Contract**

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1. INTRODUCTION

Medupi Power Station is designed to be a highly efficient and effective coal fired power station in supplying power to the South African National Grid. This should be maintained by ensuring that the plant power output is not negatively impacted by unavailability, inefficiency and unreliability of certain plant equipment or components. The power station is designed to allow UCLF capped at 2% and this can be achieved by ensuring that the time spent on maintenance is minimized. One of the ways to minimize the maintenance downtime is availability of necessary equipment or component maintenance spares.

This document provides an overview of Eskom technical criteria to be used when evaluating the tender submissions for **Maintenance, Calibration and Spares Supply of Inlet and Outlet Oxygen Analysers on Boiler Gas Air** at Medupi Power Station. The document provides annexures developed to address various aspects required to perform technical evaluations.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document contains the technical evaluation criteria and associated documents relating to a commercial enquiry for the technical evaluation of the Maintenance, Calibration and Spares Supply of Inlet and Outlet Oxygen Analysers on Boiler Gas Air Contract.

The technical evaluation team members are listed and appointed in this document along with their responsibilities.

The technical evaluation requirements consist of the following criteria:

- Mandatory Evaluation Criteria
- Qualitative Evaluation Criteria

Once the Technical Evaluation Strategy is authorised no changes will be made to the evaluation criteria without appropriate authorisation.

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 shall apply to Medupi Power Station Maintenance, Calibration and Spares Supply of Inlet and Outlet Oxygen Analysers on Boiler Gas Air Contract.

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] 240-48929482: Tender Technical Evaluation Procedure

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[2] 32-1034: Eskom Procurement Policy

2.2.2 Informative

[1] ISO 9001: Quality management systems

[2] ISO 14001: Environmental Management systems

[3] 474-59: Internal Audit Procedure

2.3 DEFINITIONS

Definition	Description
Enquiry	A competitive or non-competitive request for information, interest, quotations or proposals made to a supplier, a group of suppliers or the market at large.
Local	Within the borders of the Republic of South Africa
Tender	A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
BOM	Bill Of Material
C&I	Control and Instrumentation.
CoE	Centre of Excellence
H&S	Health and Safety
HV	High Voltage
KPA	Key Performance Area
KPI	Key Performance Indicator
LV	Low Voltage
MSDS	Material Safety Data Sheet
NEC3	New Engineering Contract
OEM	Original Equipment Manufacturer.
PD	Order On Request (As and When required)
PDF	Portable Document Format
QCP	Quality Control Plan.
RF	Refurbishment of items
SANAS	South African National Accreditation System
SHEQ	Safety Health Environmental and Quality
SOW	Scope of Work.
TEC	Technical Evaluation Criteria

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Abbreviation	Description
TET	Technical Evaluation Team
TRFR	Transformer
TSSC	Term Service Short Contract
TTES	Tender Technical Evaluation Strategy
URS	User Requirement Specification
V1	Re-Order Point for Non-Repairable Material (Normal)
VB	Manual Re-Order Point Planning (RF)

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

This procedure shall be monitored by 474-59: Internal Audit Procedure

2.7 RELATED/SUPPORTING DOCUMENTS

Tender Technical Evaluation Scoring Form

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The section details the methodology to be employed by Eskom in scoring the “Technical” category of the tender evaluation. This evaluation exercise is performed by the appointed Eskom TET.

The evaluation of the tenders will be based on the tenderer’s ability to meet the technical requirements. The evaluation consists of mandatory criteria and qualitative criteria. Results of mandatory evaluation will be “compliant” or “non-compliant”

The qualitative evaluation shall apply a weighted score card approach to evaluate the tenders against the specifications and employer’s requirement. The score card below will be used.

Table 1: Qualitative Evaluation Criteria Scoring Table

Score	Weight score%	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none">Meet technical requirement(s) ANDNo foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none">Meet technical requirement(s) with;Acceptable technical risk(s) AND/ORAcceptable exceptions AND/OR

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		<ul style="list-style-type: none"> Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none"> 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 minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

3.2 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1	Vusi Mosime	System Engineer
TET 2	Letago Manyelo	Senior System Engineer
TET 3	Thys Britz	Senior Supervisor C&I Maintenance
TET 4	Ofhani Musekwa	Senior Advisor Technical Support

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 1: Mandatory Technical Evaluation Criteria

Mandatory Technical Evaluation Criteria		Reference to Technical Specification / Tender Returnable	Motivation & Comments
1.	OEM Letters	<p>The tenderer shall provide the commitment letters from the OEM or the OEM local supplier as per the BOM stating that they will be able to provide Services to the tenderer.</p> <p>Only applicable to items on the BOM where deviation from the OEM will not be acceptable.</p>	Equipment cannot deviate from OEM equipment.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Qualitative Technical Evaluation Criteria

Technical Evaluation Criteria			TET Evaluation Scores	File reference for the score	Guideline / Notes
Technical Criteria Description		Sub- criteria weighting (%)			
1. Compliance to Eskom Specification	Weighting =	35%	0		
<i>General measure in line with the product specification</i>					
1.1	Provide a supply, maintain and calibration service to the Employer in accordance with 241-20221028 Medupi Power Station Medupi Power Station Scope of Work for Maintenance, Calibration and Spares Supply of Inlet and Outlet Oxygen Analysers on Boiler Gas Air heaters SOW	100%			Scoring: 5 - Product Information Sheet, Performance Guarantee: Maintenance or equipment: Calibration: Spares Supply and Lead times with schedule 4 - Excluding one from the following: Product Information Sheet, Performance Guarantee: Maintenance or equipment: Calibration: Spares Supply and Lead times with schedule 2 - Excluding two from the following: Product Information Sheet, Performance Guarantee: Maintenance or equipment: Calibration: Spares Supply and Lead times with schedule 1 - Excluding three from the following: Product Information Sheet, Performance Guarantee: Maintenance or

					equipment: Calibration: Spares Supply and Lead times with schedule
Compliance to Eskom Specification Score:			0		
2. Previous Experience	Weighting =	15%	0		
<i>Reference list of Purchase/Task Orders completed of previous similar work.</i>					
2.1	The tenderer has experience in Maintaining and Calibration of Inlet and Outlet Oxygen Analysers on Boiler Gas Air Heaters. Proof of 3 to 5 years equivalent to be provided. A reference list with at least 3 completed Purchase/Task Orders to be provided.	100%			<p>5 - A reference list with 3 or more completed Maintenance, Supply or Calibration Contract/Task Orders to be provided with min 5 years relevant experience</p> <p>4 - A reference list with 2 completed Maintenance, Supply or Calibration Contract/Task Orders provided with min 3 years relevant experience</p> <p>2 - A reference list with 1 completed Maintenance, Supply or Calibration Contract/Task Orders provided.</p> <p>1 - No reference of completed Maintenance, Supply or Calibration Contract/Task Orders provided.</p>
Previous Experience Score:			0		
3. Manufacturing Equipment and Key Personnel	Weighting =	20%	0		
<i>Key machinery and resources containing resource plan per area</i>					

3.1	The Contractor shall supply their own tools, electrical equipment and approved calibration test gas that might be required when providing the spares supply, maintenance and calibration services to the Employer. The employer needs to list fully qualified key personnel for Maintenance and Calibration of Equipment.	100%			<p>5 - Contractor has identified that they Own all the tools and electrical equipment required for Maintenance and Calibration test Gas that might be required when providing the spares Supply. and the Contractor has also proved that all Key personnel in each area is fully qualified to perform the required Maintenance and Calibration Services.</p> <p>4 - Contractor has identified that they Own most the tools and electrical equipment required for Maintenance and Calibration test Gas that might be required when providing the spares Supply. And the Contractor has also proved that most of the Key personnel in each area is fully qualified to perform the required Maintenance and Calibration Services.</p> <p>2 - Contractor has identified that they Own some the tools and electrical equipment required for Maintenance and Calibration test Gas that might be required when providing the spares Supply. And the Contractor has also proved that some of the Key personnel in each area is fully qualified to perform the required Maintenance and Calibration Services.</p>
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					1 - Contractor has identified that they Own the tools and electrical equipment required for Maintenance and Calibration test Gas that might be required when providing the spares Supply. or the Contractor has also proved that some of the Key personnel in each area is fully qualified to perform the required Maintenance and Calibration Services.
Manufacturing Equipment and Key Personnel:			0		
4. Manufacturing Capacity and Capability	Weighting =	10%	0		
<i>Insourcing and Outsourcing</i>					
4.1	Onsite or Offsite Maintenance and Calibration of Equipment	100%			5 - 100% Onsite 4 - 75% Onsite 2 - 50% Onsite 1 - 25% Onsite
Training:			0		
5. Technical Quality Assurance	Weighting =	20%	0		
<i>Quality Assurance</i>					

5.1	The service provider has an asset list describing the tools and equipment it has available to carry out the required maintenance work.	100%			<p>5 - Dedicated and demarcated quarantine area, Material storage and identification control procedure, Incoming good inspection procedure, Sub supplier approval process, Sub supplier performance management and Draft product ITP</p> <p>4 - Dedicated and demarcated quarantine area, Material storage and identification control procedure, Incoming good inspection procedure, Sub supplier approval process, Sub supplier performance management and without Draft product ITP</p> <p>2 - List above except 2 items and draft product ITP</p> <p>1 - List above except 3 items and draft product ITP</p>
Technical Quality Assurance:			0		
Final score for TET:			0	0%	

3.5 TET MEMBER RESPONSIBILITIES

Table 3: 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
5	X	X	X	X

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3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	Deviation from equipment if a technical equivalency is available without modification to the running plant.
2.	

Table 5: Unacceptable Technical Risks

Risk	Description
1.	No letter of confirmation of supply from original equipment manufacturer or approved local supplier for spares that requires letters as per BOM
2.	

3.7.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Supplier/Tenderer that are non-OEM's
2.	Signed letters from OEM's/Approved local supplier by OEM to non-OEM's Supplier/Tenderer.

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Supplier/Tenderer does not meet all mandatory criteria
2.	

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Ernest Morolong	Senior Technician C&I Maintenance
Thys Britz	Senior Supervisor C&I Maintenance
Lerato Sehume	Manager C&I Maintenance
Letago Manyelo	Manager C&I Engineering
Lucky Mmadhlaba	Senior Advisor Engineering
Vusi Mosime	System Engineer
Ofhani Musekwa	Senior Advisor Technical Support

5. REVISIONS

Date	Rev.	Compiler	Remarks
May 2025	0		Original document

6. DEVELOPMENT TEAM

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

Ernest Morolong

Lerato Sehume

Thys Britz

Lucky Mmadhlaba

7. ACKNOWLEDGEMENTS

None

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