



Strategy

Medupi Power Station

Title: **Medupi Power Station Technical evaluation Strategy for Spares Supply Contract for Water Plant,Pumps,Compressors, Gearboxes and Blowers**

Document Identifier: **241-20221287**

Alternative Reference Number:

Area of Applicability: **Medupi Power Station**

Functional Area: **Maintenance**

Revision: **2**

Total Pages: **13**

Next Review Date: **October 2030**

Disclosure Classification: **Controlled Disclosure**

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Date: 2025/10/13

Date: 2025/10/13

Date: 13/10/2025

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## **1. Introduction**

Medupi Power Station is in the process of establishing a contract for the supply of spares for the Water Treatment Plant, with a contract duration of 60 months. An invitation will be issued to prospective suppliers to participate in the tendering process for this contract. This document outlines the method and criteria that will be applied during the technical evaluation of submitted tenders, in accordance with the documented Works Instruction (241-20221192), Revision 1. The evaluation process is designed to ensure the selection of technically capable and compliant suppliers who can meet the operational and quality requirements of the station over the contract period.

## **2. Supporting Clauses**

### **2.1 Scope**

#### **2.1.1 Purpose**

The purpose of this document is to define the technical evaluation process for the spares supply contract related to pumps, compressors, and gearboxes, Blowers utilized in the Water Treatment Plants at Medupi Power Station. This evaluation aims to ensure that only technically compliant and capable suppliers are considered for the contract, thereby supporting the reliable operation and maintenance of critical mechanical equipment over the duration of the agreement.

#### **2.1.2 Applicability**

This document applies to the Water Treatment Plant at Medupi Power Station. It governs the technical evaluation of tenders for the supply of spares related to pumps, compressors, gearboxes, and blowers. The purpose is to ensure that only technically compliant and qualified suppliers are selected to support the ongoing reliability and performance of the plant's critical equipment.

#### **2.1.3 Effective date**

October 2025

## **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  
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- [2] 240-53716746: Tender Technical Evaluation Report Template
- [3] 240-53716712: Tender Technical Evaluation Results Form Template
- [4] 240-53716726: Tender Technical Evaluation Scoring Form Template
- [5] 240-53716769: Tender Technical Evaluation Strategy Template
- [6] 32-1034: Eskom Procurement and Supply Chain Management Procedure

## **2.2.2 Informative**

- [7] ISO 9001 Quality Management Systems
- [8] 240-89564072 Medupi Power Station Water Treatment Plant Maintenance Strategy.
- [9] 240-147775984 Medupi Power Station Mobile Water Treatment Plant Maintenance Strategy
- [10] 240-104021467 Medupi Power Station Chemicals Handling and Dosing System Maintenance Strategy
- [11] 240-96302541 Medupi Power Station Sewage Treatment Plant Maintenance Strategy
- [12] 240-96483100 Medupi Power Station Condensate Polishing Plant Maintenance Strategy

## **2.3 Definitions**

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

## **2.4 Abbreviations**

A	Amps
AUX	Auxiliary
BOM	Bill Of Materials
C&I	Control and Instrumentation
CEDI	Continuous Electro-deionization
CIP	Cleaning in Process
CPP	Condensate Polishing Plant
EMD	Electrical Maintenance Department
GTM	Gas Transfer Membrane
LOPP	Life of Plant Plan
M	Meter
ND	Non-drive end
NRV	Non-Return Valve
OEM	Original Equipment Manufacturer
P&ID	Piping and Instrumentation Diagram

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PSA	Pressure Swing Absorption
QCP	Quality Control Plan
RO	Reverse Osmosis
RPM	Revolutions per minute
SOW	Scope of Works
STP	Sewage Treatment Plant
V	Volts
WTP	Water Treatment Plant

## **2.5 Roles and Responsibilities**

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

## **2.6 Process for Monitoring**

The tender technical evaluation is monitored as part of the Procurement process.

## **2.7 Related/Supporting Documents**

240-89564072 Medupi Power Station Water treatment plant maintenance strategy

## **3. TENDER TECHNCIAL EVALAUTION STRATEGY**

This 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 members.

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 requirements. Table 1 below shall be used for scoring method.

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### **3.1 Table 1: Scoring Method**

<b>SCORE</b>	<b>PERCENTAGE</b>	<b>DESCRIPTION</b>
5	100	<b>COMPLIANT</b> <ul style="list-style-type: none"><li>▪ Meet technical requirement(s)/AND.</li><li>▪ No foreseen technical risk(s) in meeting technical requirements.</li></ul>
4	80	<b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b> Meet technical requirement(s) with; <ul style="list-style-type: none"><li>▪ Acceptable technical risk(s) AND/OR;</li><li>▪ Acceptable exceptions AND/OR;</li><li>▪ Acceptable conditions.</li></ul>
2	40	<b>NON-COMPLIANT</b> <ul style="list-style-type: none"><li>▪ Does not meet technical requirement(s) AND/OR;</li><li>▪ Unacceptable technical risk(s) AND/OR;</li><li>▪ Unacceptable exceptions AND/OR;</li><li>▪ Unacceptable conditions.</li></ul>
0	0	<b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>

#### **3.1.1 TECHNICAL EVALUATION THRESHOLD**

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%. This score is applicable to the qualitative evaluation criteria.

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### 3.1.2 TET MEMBERS

**Table 2: TET Members**

TET number	TET Member Name	Designation
TET 1	Refiloe Mphela	Engineering Auxiliary
TET 2	Maripa Seepe	Senior Supervisor Maintenance
TET 3	Hogen Sihlangu	Maintenance Manager (Acting)

### 3.2 MANDATORY EVALUATION CRITERIA

All tenders will need to pass the mandatory section; the mandatory evaluation will be on a YES/NO basis as to whether the criteria are met or not. An assessment of “NO” against criteria will immediately disqualify the submission and no further assessment will be made. Refer to **Table 3** for mandatory requirements.

**Table 3: Mandatory Technical Evaluation Criteria**

Criteria Ref #	Mandatory Technical Criteria Description	Reference to Technical Specification	Motivation for use of Criteria
1.	<b>Tenders shall supply the same exact required spare or replacement spare approved by the OEM.</b>	<b>Confirmation letter from all the OEM's listed in the BOQ, stating that the tenderer shall be supported in provision and supply of spares parts. The letter must, at a minimum included the following details:</b> <ul style="list-style-type: none"><li><b>• Certificate or confirmation letter from OEM that they are the approved supplier or distributor.</b></li><li><b>• Duration (time) of the support to be offered to the tenderer on all the spare</b></li></ul>	<b>Ensure all tenderer has a support from the OEM on the Spares required.</b>

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### **3.2.1 QUALITATIVE EVALUATION**

Tenders who pass through the mandatory criteria shall then proceed to the qualitative evaluation. These sections shall be sub-divided into the following section with assigned weight/percentage as per **Table 4** below.

**Table 4: Qualitative Evaluation Criteria**

<b>Technical (100%)</b>	
Technical Expertise	40%
Company Profile	20%
Lead-Time From Purchase Order placement	10%
Data Sheet (For all items as per BOQ)	30%
<b>TOTAL (100%)</b>	
<b>Overall minimum threshold for qualification (80%)</b>	

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### 3.2.2 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Notes:

- The scores to this section will be allocated as per Table 1.
- The information/documents provided by the Tenderer shall be subjected to a verification processes.

#### Technica Scoring criteria

	TECHNICAL EVALUATION CRITERIA	SUBCRITERIA	EVIDENCE	SCORING CRITERIA	Sub Weighting (%)	Weighting (%)
1	Technical Expertise	Proven Company Previous Experience in the supply of industrial mechanical equipment	List of similar work or any tenders previously received with traceable references. The list shall contain the company/ business unit and experience. It must show that the work involved the supply of equipment related to the SOW. Attach Purchase Orders and supporting signed delivery notes.	0 = Totally deficient or No response  2 = 40% score of sub-weight Company Experience 1-3 years in the supply of spares related to the SOW.  AND 5 or less Purchase Orders and delivery notes for the supply of spares related to the SOW.  4 = 80% score of sub-weight Company Experience 4-6 years in supply of spares related to the SOW.  AND 6 to 10 Purchase Orders for the supply of spares related to the SOW.	100	40

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				5 = 100 % score of sub-weight Company Experience more than 6 years in the supply of spares related to the SOW.  AND 20 or more Purchase Orders and delivery notes attached for previous works for the supply of spares related to the.		
2	Company profile	Proven Experience in the supply of spares	Tenderer to provide proof of previously accepted Delivery Notes for the supply of spares related to the SOW	0 = Totally deficient or No response 2 = 40% score of sub- weight Less than 10 signed delivery Notes  4 = 80 % score of sub- weight • Less than 30 but more than 10 signed delivery Notes  5 = 100 % score of sub- weight • More than 30 signed deliveries	100	20

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3	Lead time from purchase order placement	<p>Tenderer shall provide the delivery timelines for the following spares that have been extracted from the SOW:</p> <ul style="list-style-type: none"> <li>• Dosing Pumps.</li> <li>• Vacuum Pump.</li> <li>• Effluent Pumps</li> </ul>	<p>The tenderer is to demonstrate the ability to deliver within a set timeline of less than 4 weeks.</p> <p>Provide PO and Delivery Note of spares that were previously supplied within 4 weeks</p>	<p>0 = Totally deficient or No Response</p> <p>2 = 40% non-compliant</p> <ul style="list-style-type: none"> <li>• Less than 15 PO's and Delivery Notes submitted.</li> </ul> <p>4 = 80% Compliant with Associated Qualifications.</p> <ul style="list-style-type: none"> <li>• Less than 25 but more than 15 PO's and Delivery Notes submitted.</li> </ul> <p>5 = 100% Compliant</p> <ul style="list-style-type: none"> <li>• More than 40 PO's and Delivery Notes submitted</li> </ul>	100	10
4	Data sheet	<p>Tenderer shall provide Data sheet for all spares as prescribed in the scope of work (241-20221192)</p>	<p>Tenderer to provide Copy of data sheet as proof.</p>	<p>1 = Totally deficient or No Response</p> <p>2 = 50% Non-compliant</p> <p>50 percent of datasheet submitted</p> <p>3 = 100% Compliant</p> <p>100 percent of data sheet submitted.</p>	100	30

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#### 4. Acceptance

This document has been seen and accepted by:

Full Name and Surname	Designation
Moses Nonyane	Contract Manager
Aubrey Mokgotho	Officer Materials Planning
Ledile Mokgetlhe	Snr Technician, Mechanical

#### 5. Revisions

Date	Rev.	Compiler	Remarks
October 2025	2	Maripa Seepe	Final draft
August 2025	1	Maripa Seepe	First draft

#### 6. Development Team

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

- Maripa Seepe Snr Supervisor Tech Maintenance
- Ledile Mokgetlhe Snr Technician, Mechanical

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- Refiloe Mphela System Engineer (Seconded), Engineering
- Natly Mokoala Technician Mechanical

## **7. Acknowledgements**

None

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