



## Technical Evaluation Strategy

Peaking

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### **CONTROLLED DISCLOSURE**

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## **1. INTRODUCTION**

This document defines the technical evaluation strategy for the Peaking Motor Supply Contract.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

This document discusses the different technical aspects that will be evaluated and scored by the Technical Evaluation Team (TET), to complete the technical evaluation for the Peaking Motor Supply Contract. The team members who will be involved in the evaluation are listed and appointed in this document along with their responsibilities. Once the Technical Evaluation Strategy is authorised, no changes will be made to the evaluation criteria without the appropriate authorisations.

#### **2.1.1 Purpose**

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

#### **2.1.2 Applicability**

This document is applicable to Peaking OU.

### **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
- [2] 240-168966153 Generation Tender Technical Evaluation Procedure
- [3] 240-53716726 Technical Scoring Form
- [4] 240-53716712 Technical Evaluation Results
- [5] 240-50237155 New MV Motor Procurement Standard
- [6] 240-57617975 New LV Motor Procurement Standard

#### **2.2.2 Informative**

- [5] 240-62196227 Eskom Life Saving Rules
- [6] Occupational Health and Safety and Regulation No 85 of 1993

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## 2.3 DEFINITIONS

N/A

### 2.3.1 Classification

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

## 2.4 ABBREVIATIONS

Abbreviation	Description
LV	Low Voltage
MV	Medium Voltage
N/A	Not Applicable
PSS	Pumped Storage Scheme
QCP	Quality Control Procedure
SoW	Scope of Work
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

## 2.5 ROLES AND RESPONSIBILITIES

Technical Evaluation Team (TET) Member: The delegated engineers/technical specialists are responsible for reviewing and evaluating technical aspects of the tender documentation.

## 2.6 PROCESS FOR MONITORING

The contractor shall not deviate from the original design specification of the motors. Any motors that deviate from the original specifications shall be evaluated by the relevant engineering team via the Engineering Change Management process on ordering.

## 2.7 RELATED/SUPPORTING DOCUMENTS

- [11] 240-53716746: Tender Technical Evaluation Report Template
- [12] 240-53716712: Tender Technical Evaluation Results Form Template
- [13] 240-53716726: Tender Technical Evaluation Scoring Form Template
- [14] 240-53716769: Tender Technical Evaluation Strategy Template

## 3. TENDER TECHNICAL EVALUATION STRATEGY

### 3.1 TECHNICAL EVALUATION THRESHOLD

Mandatory Technical Evaluation Criteria (gatekeeper) is a 'must meet' criteria. These criteria shall not be weighted, or point scored but shall be assessed on a Yes/No basis as to whether the criteria is met or not, unless set otherwise. An assessment of 'No' against any criterion shall technically disqualify the tenderer.

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Qualitative Technical Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met. 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%.

### **3.2 TET MEMBERS**

**Table 1: TET Members**

<b>TET number</b>	<b>TET Member Name</b>	<b>Designation</b>
TET 1	Jacques Valentine	Electrical Engineer
TET 2	Rendani Tshirovha	Senior Electrical Engineer
TET 3	Viwe Spambo	Senior Engineering Technician

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### **3.3 MANADATORY TECHNICAL EVALUATION CRITERIA BY CONTRACT AWARD**

Table 2 defines all Mandatory Technical Evaluation Criteria to be submitted by the Tenderer before the contract award date. Any outstanding or unclear information, related to the mandatory criteria specifically, identified by the TET during the technical evaluation, shall be requested from the Tenderer in writing and must be submitted by the Tenderer within 5 calendar days from the date of request. If the Tenderer does not provide the requested information within the 5 days, the Tenderer will be disqualified.

**Table 2: Mandatory Technical Evaluation Criteria**

<b>Mandatory Criteria Number</b>	<b>Mandatory Technical Criteria Description</b>	<b>Reference to Technical Specification / Tender Returnable</b>	<b>Motivation for use of Criteria</b>
1.	Tenderer to be ISO 9001 accredited.	ISO 9001 Certification evidence.	To ensure Eskom receives quality traceable equipment, with adequate documentation and controls.

### 3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3 defines the qualitative technical evaluation criteria to be submitted by the Tenderer by the date of tender close.

**Table 3: Qualitative Technical Evaluation Criteria**

Qualitative Criteria Number	Qualitative Technical Criteria Description		Tender Returnable	Criteria Weighting (%)	Score	Criteria Sub Weighting (%)
1.	Experience			30.00		
	1.1	The Tenderer must submit evidence of motor supply works with traceable references with the following information: - Project completion letter - Description of motors supplied - Motor supply costs - Date of order - Name, designation and contact details of a customer representative per supply	Tenderer must submit project references with the requirements as listed.	≥5 Works	5.00	60.00
				3-4 Works	4.00	
				1-2 Works	2.00	
				0 Works	0.00	
	1.2	Years of experience in supply of electric motors.	Tenderer submits the company establishment date	>10 Years	5.00	40.00
				>5-10 Years	4.00	
				>3-5 Years	2.00	
				0-3 Years	0.00	
2	Technical Compliance			50.00		
	2.1	Tenderer to submit detailed datasheets for all motors listed in the works with the following listed as minimums: - Rated voltage (V / kV) - Frequency (Hz) - Power (kW) - Speed (RPM) - Full load and locked rotor current(A)	Tenderer to submit datasheets with the minimum requirements as described. Scores will be assigned based on the percentage of datasheets that are deemed to be technically acceptable for the motors they are to be replacing.	≥90%	5.00	100.00
				>80%-90%	4.00	
				>60%-80%	2.00	
				≤60%	0.00	

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		<ul style="list-style-type: none"><li>- International efficiency class</li><li>- Duty class</li><li>- Utilisation factor (%)</li><li>- EX ratings where applicable</li><li>- Motor torques (full load, locked rotor, breakdown)</li><li>- Efficiency and power factor at 50%, 75% and 100% load</li><li>- Stator winding insulation class and temperature rise</li><li>- Stator winding impregnation method</li><li>- Bearing type, lubrication type and interval, lifespan, vibration limits</li><li>- Frame size, mounting type, motor mass and rotor moment of inertia</li><li>- Noise levels</li><li>- Details of any installed stator temperature monitoring devices</li></ul>	<b>NB: Datasheets must be linked to specific motors listed in the works to be considered for this returnable. A referenceable index must be provided as part of the tender.</b>			
<b>3</b>	<b>Delivery Capability</b>			<b>20.00</b>		
	3.1	Transportation capability to be proven for the delivery of electric motors similar to those described in the works. Evidence to include: <ul style="list-style-type: none"><li>- Date of order received and delivery to customer</li><li>- Location of delivery and origin of shipment</li></ul>	Tenderer to provide evidence of delivery of electric motors with requirements as described	≥5 Works	5.00	100.00
				3-4 Works	4.00	
				1-2 Works	2.00	
				0 Works	0.00	




**TET MEMBER RESPONSIBILITIES**

**Table 4: TET Member Responsibilities**


<b>Mandatory Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>
1.	X	X	X
<b>Qualitative Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>
1.	X	X	X
2.	X	X	X
3	X	X	X

#### 4. AUTHORISATION

This document has been reviewed by:

Name	Designation	Signature
Rendani Tshirovha	Senior Electrical Engineer	

This document has been seen and accepted by:

Name	Designation	Signature
Viwe Spambo	Senior Engineering Technician	

#### 5. REVISIONS

Date	Rev.	Compiler	Remarks
March 2026	0.1	JH Valentine	First draft for review
May 2026	0.2	JH Valentine	Drafted to address review comments
May 2026	1.0	JH Valentine	Circulated for signature

#### 6. DEVELOPMENT TEAM

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

JH Valentine

R Tshirovha

V Spambo

#### 7. ACKNOWLEDGEMENTS

N/A

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