

Title: **Kusile Power Station Tender  
Technical Evaluation Strategy  
for the Supply and Delivery of  
Low Voltage Variable Speed  
Drive and Soft Starter Spares**

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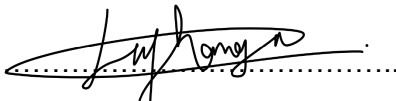
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Compiled by



**F Nelufhangani**

**Snr Adv Maintenance**

Date: 10/02/2022

Functional Responsibility



**V Dlamini**

**Line Manager Technical  
Support (Acting)**

Date: 14/02/2022

Authorised by

 p.p

**J Tshikomba**

**Group Manager: Maintenance**

Date: 16/02/2022

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## **1. INTRODUCTION**

Kusile Power Station has decided to partner with a suitable and qualified Supplier for the supply of Low Voltage Variable Speed Drive and Soft Starter Spares at Kusile Power Station. The Power Station is designed to operate with an Unplanned Capability Loss Factor (UCLF) not exceeding 5% and this will 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's technical evaluation criteria to be used when evaluating the tender submissions for the supply of Electrical General Consumables spares at Kusile Power Station for the period of three years. The document provides annexures developed to address various aspects required to perform technical evaluations.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

#### **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 strategy is applicable to the evaluation of for the supply and delivery of Low Voltage Variable Speed Drive and Soft Starter spares at Kusile 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**

- [1] 240-48929482: Tender Technical Evaluation Procedure
- [2] 32-1034: Eskom Procurement Policy

#### **2.2.2 Informative**

- [3] Kusile Power Station Low Voltage Electric Motor Spares Supply and Delivery Scope of Work.

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## **2.3 DEFINITIONS**

### **2.3.1 Classification**

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

**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.

## **2.4 ABBREVIATIONS**

| <b>Abbreviation</b> | <b>Description</b>              |
|---------------------|---------------------------------|
| TES                 | Technical Evaluation Strategy   |
| TET                 | Technical Evaluation Team       |
| SOW                 | Scope of Work                   |
| OEM                 | Original Equipment Manufacturer |
| LV                  | Low Voltage                     |

## **2.5 ROLES AND RESPONSIBILITIES**

As per 240-48929482: Tender Technical Evaluation Procedure

## **2.6 PROCESS FOR MONITORING**

The primary process for monitoring will be the approval of this document and the approval of the evaluation report post tender evaluation as set out in the 240-48929482: Tender Technical Evaluation Procedure

## **2.7 RELATED/SUPPORTING DOCUMENTS**

240-53114248: Thyristor and Switch mode chargers, AC/DC to DC/AC convertors and inverters/Uninterruptible power supplies standard.

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### 3. TENDER TECHNICAL EVALUATION STRATEGY

To be eligible for Qualitative Evaluation, the tenderer shall meet all the Mandatory Evaluation requirements.

The evaluation of tenders will be based on the tenderer's ability to meet the requirements specified in the SOW. A weighted score card approach will be used to evaluate the tenders against the Employer's requirements. The following scoring method will be used.

The guideline for Qualitative scoring is on the table below:

**Table 3.1:** Qualitative Evaluation Criteria Scoring Table

| Score | Percentage | Description                                                                                                                                                                               |
|-------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5     | 100        | <b>COMPLIANT</b><br>Meet technical requirement(s) AND;<br>No foreseen technical risk(s) in meeting technical requirements.                                                                |
| 4     | 80         | <b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b><br>Meet technical requirement(s) with;<br>Acceptable technical risk(s) AND/OR;<br>Acceptable exceptions AND/OR;<br>Acceptable conditions. |
| 2     | 40         | <b>NON-COMPLIANT</b><br>Does not meet technical requirement(s) AND/OR;<br>Unacceptable technical risk(s) AND/OR;<br>Unacceptable exceptions AND/OR;<br>Unacceptable conditions.           |
| 0     | 0          | <b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>                                                                                                                                                |

#### 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 TECHNICAL EVALUATION CRITERIA

To be eligible for evaluation the tenderer shall meet the following gatekeepers & Qualitative controls:

**Table 3.2:** Technical Evaluation Criteria

| Mandatory Criteria (Gate Keeper) |                                                                    |                                                                                                                              |                                                                      |
|----------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| No.                              | Mandatory Technical Criteria Description                           | Reference to Technical Specification / Tender Returnable                                                                     | Motivation for use of Criteria                                       |
| 1.                               | Tenders shall supply the same exact required spares or replacement | Confirmation (signed) letter from the OEM's that the tenderer shall be supported in provision/supply of spares on all unique | Ensure all tenderer has a support from the OEM on specialised spares |

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|                      | spares approved by the OEM                                                                                                | spares. As a minimum to be included on the letter:<br>Certificate or confirmation letter from OEM that they are the approved supplier or distributor.<br>Duration (time) of the support to be offered to the tenderer on all the spares. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Qualitative Criteria |                                                                                                                           |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| No                   | Criteria Description                                                                                                      | Weight (100%)                                                                                                                                                                                                                            | Reference to Technical Specification / Tender Returnable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Scoring Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1.                   | Tenderers shall be South African with a minimum track record for supply and delivery of electrical spares to Eskom fleet. | 20%                                                                                                                                                                                                                                      | Provide a summary report of list of Electrical spares supplied to Eskom fleet. As a minimum to be included on the report:<br><div><input type="checkbox"/> Details of spares supplied,<br/><input type="checkbox"/> Contract value<br/><input type="checkbox"/> Contact details of client</div>                                                                                                                                                                                                                                          | 3 = 100% - 5 years or more in supply & delivery of spares<br>2 = 80% - 4 years of supply & delivery of spares<br>1 = 40% - 2 years of supply & delivery of spares<br>0 = 0% - non responsive                                                                                                                                                                                                                                                       |
| 2.                   | Project Execution Plan/Quality control                                                                                    | 50%                                                                                                                                                                                                                                      | Demonstrate how tenderer intend on executing the SOW or management of orders/supply/delivery.<br>1) Provide typical methodology document detailing how the Tenderer intends on managing the orders, supply, delivery and defective spares.<br>2) The Tenderer shall indicate how it shall perform the various functions including quality verifications and handling.<br>3) The Tender shall indicate how it shall perform onsite support pertaining to commissioning of spares where client's technician are unable to commission such. | 5 = 100% - Meet technical requirement(s) & No foreseen technical risk(s) in meeting technical requirements And complete list of all spares.<br>4 = 80% - Meet technical requirement(s) with Acceptable technical risk(s)/exceptions and half of the list completed<br>2 = 40% - Does not meet technical requirement(s) or Unacceptable technical risks/ exceptions and quarter of the list complete.<br>0 = 0% TOTALLY DEFICIENT OR NON-RESPONSIVE |
| 3.                   | Delivery of spares lead times (order placement                                                                            | 30%                                                                                                                                                                                                                                      | Document listing delivery time lines for spares on the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 = 100% - Delivery time lines of 1-4 weeks of                                                                                                                                                                                                                                                                                                                                                                                                     |

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|  |                        |  |     |                                                                   |
|--|------------------------|--|-----|-------------------------------------------------------------------|
|  | to delivery at stores) |  | BOM | 100% of spares on the BOM. \                                      |
|  |                        |  |     | 4 = 80% - Delivery time lines of 4 -6 weeks of spares on the BOM. |
|  |                        |  |     | 2 = 40% - Delivery time lines of >6 weeks of spares on the BOM.   |
|  |                        |  |     | 0 = 0% - non responsive                                           |

### 3.3 TET MEMBERS

The members of the technical evaluation team are undisclosed herein to maintain confidentiality when publishing this document on the Tender Bulletin. The details will be available on the Commercial declaration records.

**Table 3.3: TET Members**

| TET Number | TET Name     | Designation  |
|------------|--------------|--------------|
| TET 1      | Confidential | Confidential |
| TET 2      | Confidential | Confidential |

### 3.4 TET MEMBER RESPONSIBILITIES

**Table 3.4: TET Member Responsibilities**

| TET number | Mandatory Criteria Number and Qualitative Technical Evaluation Criteria | Designation  |
|------------|-------------------------------------------------------------------------|--------------|
| All TET's  | Evaluation and scoring of technical submission                          | Confidential |

### 3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

#### 3.5.1 RISKS

**Table 3.5: Acceptable Technical Risks**

| Risk | Description                                                |
|------|------------------------------------------------------------|
| 1    | No data sheet for relevant technical information           |
| 2    | No warranty period for capacitors or electronic components |

**Table 3.6: Unacceptable Technical Risks**

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| <b>Risk</b> | <b>Description</b>                                                                  |
|-------------|-------------------------------------------------------------------------------------|
| 1           | No delivery time lines                                                              |
| 2           | No DT numbers/ part number for electronic modules                                   |
| 3           | Non-South African with no track record for supplying same spare or approved similar |

**Table 3.7: Acceptable Technical Exceptions / Conditions**

| <b>Risk</b> | <b>Description</b>                            |
|-------------|-----------------------------------------------|
| 1           | Accept deviation with technical qualification |

**Table 3.8: Unacceptable Technical Exceptions / Conditions**

| <b>Risk</b> | <b>Description</b>                                     |
|-------------|--------------------------------------------------------|
| 1           | Deviation without technical qualification not accepted |

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#### 4. AUTHORISATION

This document has been seen and accepted by the signatories on the front page

| <b>Name &amp; Surname</b> | <b>Designation</b>                 |
|---------------------------|------------------------------------|
| C Lepee                   | Snr Technologist: Electrical       |
| F Nelufhangani            | Snr Advisor: Electrical            |
| B Makini                  | EMD Manager                        |
| M Mphirime                | Electrical Engineering manager     |
| V Dlamini                 | Line Manager (Acting) TSS          |
| T Shibe                   | System Engineer: Essential Systems |
| A Mngomezulu              | Line Manager Material Management   |
| Tshegofatso Boroko        | Snr Supervisor: Power Electronics  |
| Alfred Phatlha            | Line Manager PTM                   |

#### 5. REVISIONS

| <b>Date</b>   | <b>Rev.</b> | <b>Compiler</b> | <b>Remarks</b>       |
|---------------|-------------|-----------------|----------------------|
| February 2022 | 1           | F Nelufhangani  | Strategy Development |

#### 6. DEVELOPMENT TEAM

This document has been developed by:

| <b>Name &amp; Surname</b> | <b>Designation</b>  |
|---------------------------|---------------------|
| F Nelufhangani            | Snr Adv Maintenance |

#### 7. ACKNOWLEDGEMENTS

N/A

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