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## 1. INTRODUCTION

There are several areas that are deemed to be hazardous locations at Duvha Power Station. These locations consist of electrical installation that requires to be maintain in compliance with the requirements of SANS 10108 and OHS Act 85.

A Contractor is required to conduct Identification, Classification, Selection, Installation, and Maintenance for Five Years of Hazardous Locations at Duvha Power Station.

A Contractor is also required to Contractor trains and transfers to Electrical Maintenance Personnel the knowledge, skills and competency required to inspection and maintenance involved in hazardous locations for Three Years.

This document outlines the technical evaluation criteria and stating how the tenderer(s) to execute the Identification, Classification, Selection, Installation, and Maintenance for Five Years of Hazardous Locations Scope of Work will be evaluated on their submitted technical returnables.

## 2. SUPPORTING CLAUSES

### 2.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the Technical Evaluation Team (TET). The team members are listed and appointed in this document along with their responsibilities.

The document also describes the acceptable and unacceptable risks and qualifications and/or conditions.

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 tender technical evaluation strategy serves as basis for the tender technical evaluation process.

#### 2.1.2 Applicability

This document is applicable to the tenderer(s) for Identification, Classification, Selection, Installation, and Maintenance for Five Years of Hazardous Locations Scope of Work at Duvha power Station.

### 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] 240-53113685: Design Review Procedure

[4] 240-53114026: Project Engineering Change Management Procedure

## 2.3 DEFINITIONS

| Definition | Description |
|---|---|
| Tender | A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification |

### 2.3.1 Disclosure Classification

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

## 2.4 ABBREVIATIONS

| Abbreviation | Description |
|---|---|
| EDWL | Engineering Design Work Lead |
| LDE | Lead Discipline Engineer |
| N/A | Not Applicable |
| TET | Technical Evaluation Team |

## 2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482, Tender Engineering Evaluation Procedure

## 2.6 PROCESS FOR MONITORING

N/A

## 2.7 RELATED/SUPPORTING DOCUMENTS

Scope of Work - Identification, Classification, Selection, Installation, and Maintenance for Five Years of Hazardous Locations.

# 3. TENDER TECHNCIAL EVALUTION STRATEGY

## 3.1 TECHNICAL EVALUATION THRESHOLD & METHOD

Mandatory Technical Evaluation Criteria (gatekeepers) are ‘must meet’ criteria. These criteria shall not be weighted nor point scored but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of ‘No’ against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

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

The evaluation of the tender submission will be based on the tenderer's ability to meet the Engineering requirements.

The scoring method will be as stipulated in Table 4.

### 3.2 TET MEMBERS

The full-time core technical evaluation team will consist of the following team members (in-line with the Tender Engineering Evaluation Procedure, 240-48929482) in Table 1:

**Table 1: TET Members**

| TET number | TET Member Name | Designation |
|---|---|---|
| 1 | Elliot Mamba | Electrical Engineering – Technician |
| 2 | Sakhy Mnguni | Electrical Engineering – Senior Technician |

The part time/support team member shall be required to fill in a technical evaluation form, if their names are marked as mandatory (X), next to a criterion. The part time/ support team member may not be required to fill in a technical evaluation form, if their names are marked as optional (O) next to a criterion but shall assist the main members where necessary. These members may be as follows in Table 2:

### 3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

**Table 2: Mandatory Technical Evaluation Criteria**

| No | Mandatory Technical Criteria Description | Reference to Technical Specification / Tender Returnable | Motivation for use of Criteria |
|---|---|---|---|
| 1. | The company must be registered with Department of Labour (DoL) as an electrical contractor – five years minimum | *Valid Registration at tender closing date: Valid proof registration letter with DOL as an electrical contractor.* | Integrity |
| 2. | Registered Master Installation Electrician (MIE) with Department of Labour (DoL) – five years minimum | *Valid Registration at tender closing date: MIE Certified copy certificate/license* | Integrity |
| 3. | Registered as an Electrical Engineer or Technologist with Engineering Council of South Africa (ECSA)-years minimum | *Valid Registration at tender closing date: Certified ECSA certificate of the Professional Engineer or Technologist from ECSA.* | Integrity |
| | | | |

### 3.4 QUALITATIVE CRITERIA EVALUATION

During the tender evaluations, the following Table 4 shall be used by the TET members to score each criterion:

**Table 3: Qualitative Evaluation Criteria Scoring Table**

| SCORE | PERCENTAGE | DESCRIPTION |
|---|---|---|

| | | |
|---|---|---|
| 5 | 100 | **COMPLIANT**<br>• Meet technical requirement(s) AND;<br>• No foreseen technical risk(s) in meeting technical requirements. |
| 4 | 80 | **COMPLIANT WITH ASSOCIATED QUALIFICATIONS**<br>• Meet technical requirement(s) with;<br>• Acceptable technical risk(s) AND/OR;<br>• Acceptable exceptions AND/OR;<br>• Acceptable conditions. |
| 2 | 40 | **NON-COMPLIANT**<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 | **TOTALLY DEFICIENT OR NON-RESPONSIVE** |
| **Note 1:** The scoring table does not allow for scoring of 1 and 3 | | |

### 3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

**Table 4: Qualitative Technical Evaluation Criteria**

| | **Qualitative Technical Criteria Description** | | **Reference to Technical Specification / Tender Returnable** | **Criteria Weighting (%)** | **Criteria Sub Weighting (%)** |
|---|---|---|---|---|---|
| **1.** | | | | **100** | |
| | 1.1 | Related completed Hazloc Project/s and or Maintenance contract/s with completion certificates for the past 10 years. | Traceable signed off or completed Hazloc Project/s and or Maintenance contract/s with the following information: Name of company where project was executed, Project Description, Project/Contract period, Contract value & Contact person.<br>• x = 0 Completed Projects/Maintenance: 0 points<br>• 0 > x < 3 Completed Projects/Maintenance: 2 points<br>• 3 ≤ x < 5 Completed Projects/Maintenance: 4 points.<br>• x ≥ 5 Completed Projects/Maintenance: 5 points<br>**Note: 'x' is the number of traceable completed Projects/Maintenance Contracts* | | 20 |
| | 1.2 | Detailed method statement must include, but not be limited to, the Project details, Scope of work, Responsibilities, Execution plan, Risk assessment, Resources, Safety, Quality, Program, Methodology, Emergency Management, and delivery of spares. | Detailed method statement.<br>• Not submitted or not related to the scope of work: 0 points<br>• Method statement is basic, vague, or does not cover most of the scope of work: 2 points.<br>• Method statement is clear, has minimal errors, and covers majority of the scope of work: 4 points. | | 15 |

| | | | | | |
|---|---|---|---|---|---|
| | | | • Method statement is clearly defined, detailed, comprehensive, and covers the full scope of work: 5 points | | |
| | 1.3 | Organogram showing key relevant and related team members (Not limited to Project Manager, ECSA Electrical Engineer/Technologist, Master Installation Electrician (MIE), Technician, Artisan, Safety officer | A copy of an organogram showing relevant and related technical team<br>The relevant and related technical team to the Scope of Work will be assessed.<br>• Not submitted or not related to the scope of work: 0 points<br>• Basic, vague, or does not cover most of the Key members: 2 points.<br>• Clear, has minimal errors, and covers majority of the key members: 4 points.<br>• Clearly defined and covers all key members: 5 points | | 5 |
| | 1.4 | CV of Professional Electrical Engineer/Technologist with qualifications and at least 5 years' experience in design, installation and or Maintenance of hazardous locations. | The CV, Qualification and Experience.<br>Not submitted or not related experience: 0 points<br>0 – 2 years related experience: 2 points<br>3 – 4 years related experience: 4 points<br>5 years or greater related experience: 5 points | | 10 |
| | 1.5 | CV of Master Installation Electrician with qualification and at least 5 years' experience in design, installation and or Maintenance of hazardous locations. | The CV, Qualification and Experience.<br>Not submitted or not related experience: 0 points<br>0 – 2 years related experience: 2 points<br>3 – 4 years related experience: 4 points<br>5 years or greater related experience: 5 points | | 10 |
| | 1.6 | CV of Project Manager (Technical) with qualification and at least 5 years' experience in design, installation and or Maintenance of hazardous locations. | The CV, Qualification and Experience.<br>Not submitted or not related experience: 0 points<br>0 – 2 years related experience: 2 points<br>3 – 4 years related experience: 4 points<br>5 years or greater related experience: 5 points | | 10 |
| | 1.7 | CV Electrical Technician with qualification and at least 5 years' experience in design, installation and | The CV, Qualification and Experience.<br>Not submitted or not related experience: 0 points | | 10 |

| | | | | | |
|---|---|---|---|---|---|
| | | or Maintenance of hazardous locations. | 0 – 2 years related experience: 2 points<br>3 – 4 years related experience: 4 points<br>5 years or greater related experience: 5 points | | |
| | 1.8 | CV of Electrical Artisan with qualification and at least 5 years' experience in design, installation and or Maintenance of hazardous locations. | The CV, Qualification and Experience.<br>Not submitted or not related experience: 0 points<br>0 – 2 years related experience: 2 points<br>3 – 4 years related experience: 4 points<br>5 years or greater related experience: 5 points | | 10 |
| | 1.9 | CV of Safety Officer with qualification and at least 5 years' experience in design, installation and or Maintenance of hazardous locations. | The CV, Qualification and Experience.<br>Not submitted or not related experience: 0 points<br>0 – 2 years related experience: 2 points<br>3 – 4 years related experience: 4 points<br>5 years or greater related experience: 5 points | | 10 |

### 3.5.1 TET Member Responsibilities

Key: X = Mandatory

**Table 5: TET Member Responsibilities**

| Mandatory Criteria Number | TET 1 | TET 2 |
|---|---|---|
| 1 | X | X |
| 2 | X | X |
| 3 | X | X |
| **Qualitative Criteria Number** | **TET 1** | **TET 2** |
| 1.1 | X | X |
| 1.2 | X | X |
| 1.3 | X | X |
| 1.4 | X | X |
| 1.5 | X | X |
| 1.6 | X | X |
| 1.7 | X | X |
| 1.8 | X | X |
| 1.9 | X | X |

## 3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

### 3.6.1 Risks

**Table 6: Acceptable Technical Risks**

| Risk | Description |
|---|---|
| 1. | Company/individual experience with slight deviation from scope of work |
| 2. | |

**Table 7: Unacceptable Technical Risks**

| Risk | Description |
|---|---|
| 1. | Less experience of the Company and of the key members |
| 2. | Expired ECSA registration |

| | |
|---|---|
| 3. | Expired MIE registration |
| 4. | |

### 3.6.2 Exceptions / Conditions

**Table 8: Acceptable Technical Exceptions / Conditions**

| Risk | Description |
|---|---|
| 1. | Project Manager with no Hazloc experience |
| 1. | Safety Officer with no Hazloc experience |

**Table 9: Unacceptable Technical Exceptions / Conditions**

| Risk | Description |
|---|---|
| 1. | Key member handling two or more responsible or roles i.e Safety Officer and Technician |

It is anticipated that various risks, exceptions and conditions will be identified during the clarification and negotiation process. Each of those will be considered and evaluated individually to determine whether they are acceptable, unacceptable or whether suitable mitigation measures can be agreed upon.

## 4. AUTHORISATION

This document has been seen and accepted by:

| Name | Designation |
|---|---|
| Andile Nqayane | Duvha Electrical Engineering Manager |
| Maila Mamoleka | Duvha Middle Engineering Manager |

## 5. REVISIONS

| Date | Rev. | Compiler | Remarks |
|---|---|---|---|
| February 2025 | 0 | Sakhy Mnguni | 1st Issued |
| February 2026 | 1 | Elliot Mamba | Review |

## 6. DEVELOPMENT TEAM

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

- Sakhy Mnguni

- Elliot Mamba

## 7. ACKNOWLEDGEMENTS

- N/A