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|  | Strategy | Engineering |
|---|-----------------|--------------------|

Title: **LETHABO POWER STATION
TENDER TECHNICAL
EVALUATION FOR
REPLACEMENT OF COPPER
EARTHING**

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1. INTRODUCTION

This document outlines the criteria to evaluate the tenderes that will bid the for the work of replacing Lethabo earthing systems. The replacement involves removal of all copper material used in the earthing systems as outlined in the scope of work and replacement with Aluminium material.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope involves replacement of copper earthing systems with the equivalent Aluminium systems for the outlines areas in the scope of work.

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 will apply to all appointed resources involved in the evaluation.

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] 240-53716726 Technical Scoring Form
- [3] 240-53716712 Technical Evaluation Results

2.2.2 Informative

- [4] N/A

2.3 DEFINITIONS

2.3.1 Classification

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

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2.4 ABBREVIATIONS

| Abbreviation | Description |
|---------------------|--|
| C&I | Control and Instrumentation |
| CoE | Centre of Excellence |
| CV | Curriculum Vitae |
| DCS | Distributed Control System |
| ECSA | Engineering Council of South Africa |
| LCP | Local Control Panel |
| OEM | Original Equipment Manufacturer |
| SCADA | Supervisory Control and Data Acquisition |
| SoW | Scope of Work |
| TES | Technical Evaluation Strategy |
| TET | Technical Evaluation Team |

2.5 ROLES AND RESPONSIBILITIES

N/A as per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

All mandatory criteria must be met.

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.

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3.2 TET MEMBERS

Table 1: TET Members

| TET number | TET Member Name | Designation |
|-------------------|------------------------|-----------------------|
| TET 1 | Aandil Silal | Electrical Engineer |
| TET 2 | Ntebaleng Maidi | Electrical Engineer |
| TET 3 | Thabiso Dlamini | Electrical Supervisor |

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

| | |
|--|-------------------------------------|
| Supplier registered with department of labor | Must be registered and supply proof |
|--|-------------------------------------|

Table 2: Mandatory Technical Evaluation Criteria

Technical Criteria

All suppliers must achieve a minimum of 80% in the below criteria in order to be evaluated further

| Criteria Ref # | Qualitative Technical Criteria Description | | Reference to Technical Specification | Tender Returnable | Scoring Criteria | Sub-criteria Weighting (%) | Criteria Weighting (%) |
|----------------|--|---|--|-------------------|--|----------------------------|------------------------|
| 1 | 1.1 | Method statements of how work is to be executed as per supplied scope of work 1. Method for bonding 2. Test Methods | Lethabo Power Station Earthing Scope of Work | Method statement | 5 / 100% = Content of submitted documents align completely with SOW 4 / 80% = Content of submitted documents align with SOW with minor deviations. 2 / 40% = Content of submitted documents align partially with SOW 0 / 0% = No submission or does not align with SOW at all | 30 | 50 |
| | 1.2 | Previous signed off QCP(s) for the same or similar work done in the past. | Lethabo Power Station Earthing Scope of Work / or similar work | QCP | 5 / 100% = Content of submitted QCP aligns with SOW and is signed off with completion certificate provided. 4 / 80% = Submitted QCPs | 10 | |

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| Criteria Ref # | Qualitative Technical Criteria Description | | Reference to Technical Specification | Tender Returnable | Scoring Criteria | Sub-criteria Weighting (%) | Criteria Weighting (%) |
|----------------|--|--|--|------------------------------------|--|----------------------------|------------------------|
| | | | | | align with SOW and is signed off, but no completion certificated provided. 3 / 60% = Submitted QCPs align with similar SOW and is signed off with completion certificate 2 / 40% = Content of submitted QCP aligns with similar scope of work and is signed off 0 / 0% = No QCP submitted | | |
| | 1.3 | Specification of the test equipment to be used | Lethabo Power Station Earthing Scope of Work | Calibration certificates and image | 5 / 100% = Calibration certificate and image provided. . 2 / 40% = A Certificate or image provided 0 / 0% = No certificate or image | 5 | |
| | 1.4 | Baseline Risk assessment per supplied scope of work, for each portion of area. | Lethabo Power Station Earthing Scope of Work | Baseline Risk assessment | 5 / 100% = Content of submitted Risk assessment align completely with SOW. 4 / 80% = Content of submitted Risk assessment align with SOW with minor deviations. 2 / 40% = Content of submitted Risk assessment | 5 | |

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| Criteria Ref # | Qualitative Technical Criteria Description | | Reference to Technical Specification | Tender Returnable | Scoring Criteria | Sub-criteria Weighting (%) | Criteria Weighting (%) |
|----------------|--|--|--|--|---|----------------------------|------------------------|
| | | | | | align partially with SOW 0 / 0% = No Risk assessment submitted | | |
| 2 | 2.1 | Minimum of 3 traceable references of previous projects executed with similar scope | Lethabo Power Station Earthing Scope of Work | Project details and contact details | 5 / 100% = 3 or more references provided 2 / 40% = Less than 3 references provided 0 / 0% = No references provided | 15 | 50 |
| | 2.2 | The project team shall comprise of the following key personnel as a minimum: <ul style="list-style-type: none"> One Construction supervisor with a NQF level 4 in electrical engineering with a trade test certificate and supervisory training and at least 3 years' experience in construction projects of similar scope as this project to oversee and supervise the team to be full time on site. | Lethabo Power Station Earthing Scope of Work | Organogram of the project team with names and designations in this specific project. Certificates of qualifications | 5 / 100% = All the required information provided 4 / 80% = All information provided with deviations on the required years of experience 2 / 40% = Some information provided with significant deviations 0 / 0% = No information provided | 20 | |

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| Criteria Ref # | Qualitative Technical Criteria Description | | Reference to Technical Specification | Tender Returnable | Scoring Criteria | Sub-criteria Weighting (%) | Criteria Weighting (%) |
|----------------|--|--|--|---|---|----------------------------|------------------------|
| | | Installation Electrician and Two Qualified artisans with at least 3 years' experience | | | | | |
| | 2.3 | <p>Safety Officer with the following qualification:</p> <ul style="list-style-type: none"> National Diploma in Safety Management with a minimum of 2 years' experience. | Lethabo Power Station Earthing Scope of Work | <p>Organogram of the project team with names and designations in this specific project.</p> <p>Certificates of qualifications</p> | <p>5 / 100% = All the required information provided</p> <p>0 / 0% = No information provided</p> | 10 | |
| | 2.4 | Proposed project execution schedule. | Lethabo Power Station Earthing Scope of Work | Project plan | <p>5 / 100% Project plan provided</p> <p>0 / 0% = No Project plant provided</p> | 5 | |

3.5 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Mandatory Evaluation Responsibilities

| Mandatory Criteria Number | TET 1 | TET 2 | TET 3 | TET 4 | TET 5 | TET 6 | TET 7 | TET 8 | TET 9 | TET 10 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| 1. | X | X | X | | | | | | | |

Table 4: TET Member Qualitative Evaluation Responsibilities

| Qualitative Criteria Number | TET 1 | TET 2 | TET 3 | TET 4 | TET 5 | TET 6 | TET 7 | TET 8 | TET 9 | TET 10 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| 1 | X | X | X | | | | | | | |
| 2 | X | X | X | | | | | | | |
| 3 | X | X | X | | | | | | | |

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