

Title: **Tender Technical Evaluation
Strategy for Waterproofing
Repairs to Surface Building
Roofs at DPSS**

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Date: **2022/03/24**

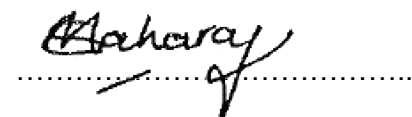
Functional Responsibility



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Date: **2022/03/24**

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1. INTRODUCTION

This document establishes the Technical Evaluation Strategy for the evaluation of tenders that will be submitted in response to the waterproofing repairs enquiry at Drakensberg Pumped Storage Scheme (DPSS).

The scope includes the waterproofing repairs to the Surface Building Roofs at DPSS. This includes the investigate into the root cause of the roof leaks, preparation, appropriate selection of waterproofing system, sealing and a providing a watertight roof.

This document seeks to provide clear mandatory and qualitative evaluating criteria that will be used during technical evaluations. The document has been developed in accordance with the Eskom Technical Evaluation Procedure 240-48929482.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the Technical Evaluation Team (TET) to complete the technical evaluation for waterproofing to the surface building enquiry

The Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation Criteria
- Qualitative Criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

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

2.1.2 Applicability

This document is applicable to Peaking Engineering and Sere Wind Farm.

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

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[2] Works Information

2.2.2 Informative

[3] 240-53716712: Tender Technical Evaluation Results Form Template

[4] 240-53716726: Tender Technical Evaluation Scoring Form Template

[5] 240-53716746: Tender Technical Evaluation Report Template

2.3 DEFINITIONS

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

2.3.1 Classification

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

2.4 ABBREVIATIONS

| Abbreviation | Description |
|---------------------|---------------------------|
| TET | Technical Evaluation Team |
| | |
| | |
| | |
| | |
| | |
| | |

2.5 ROLES AND RESPONSIBILITIES

Engineering Manager: All Engineering Managers throughout Eskom shall ensure that all staff, in their respective areas understand and adhere to this procedure.

Professionally Registered Engineering Practitioner (PREP): The PREP is responsible to manage the execution and adherence to this procedure. Typically on New Build projects the PREP role is fulfilled by the Lead Discipline Engineer (LDE) and on existing asset projects the PREP role is fulfilled by the relevant System Engineer/Plant Engineer.

Technical Evaluation Team (TET) member: The delegated engineers / technical specialists who are responsible to review and evaluate technical aspects of the tender documentation as per the Tender Technical Evaluation Strategy.

2.6 PROCESS FOR MONITORING

Not applicable.

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2.7 RELATED/SUPPORTING DOCUMENTS

- [6] 240-53716746: Tender Technical Evaluation Report Template
- [7] 240-53716712: Tender Technical Evaluation Results Form Template
- [8] 240-53716726: Tender Technical Evaluation Scoring Form Template
- [9] 240-53716769: Tender Technical Evaluation Strategy Template

3. TENDER TECHNICAL EVALUATION STRATEGY

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 TET MEMBERS

Table 1: TET Members

| TET number | TET Member Name | Designation |
|-------------------|------------------------|---|
| TET 1 | Zubair Johannes | Senior Technician: Civil and Structures |
| TET 2 | Johannes Fielies | SEM: Civil and Structures |
| TET 3 | Zahier Kapery | Chief Technologist, Civil and Structural- Asset Management |

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3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

| | Mandatory Technical Criteria Description | Reference to Technical Specification / Tender Returnable | Motivation for use of Criteria |
|-----|--|---|---|
| 1. | Contractor to attend Site Clarification Meeting (on-site) | Mandatory requirement- Functionality | The Contractors need to assess and inspect the roof in order to provide a waterproofing system as per the Works Information |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |
| | | | |

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria and Scoring Table

| | Qualitative Technical Criteria Description | Reference to Technical Specification / Tender Returnable | Criteria Weighting (%) |
|-----------|--|---|-----------------------------------|
| 1. | <u>Detailed Method Statement</u> | a) No Method statement provided = 0 b) Typical method statement provided. Showing partial activities and step by step construction methods. Certain activities have been omitted = 2 c) Site method statement provided showing critical work activities in line with scope of works. Critical activities and step by step construction methods specific to the scope of work is shown. Most activities have been included. = 4 d) A Detailed Method Statement is provided showing critical work activities, In line with the Scope of works, resources, procedures, tests and showing how risks will be managed. A complete method statement is provided. Showing step by step construction methods and execution specific to the scope of work. All activities have been included. Meets Employer's requirements with no omissions. = 5 | 30 |
| 2. | <u>Quality Control Plan (QCP)</u> | a) No QCP provided = 0 b) Typical high level QCP provided = 2 c) QCP provided showing all work activities, procedures, risks and inspection points (hold, witness, surveillance, etc.) = 4 d) QCP provided showing all work activities, procedures, risks and inspection points (hold, witness, surveillance, etc.), check sheets/check lists for work activities and procedures. = 5 | 25 |
| 3. | <u>Technical Schedule/Construction Programme</u> | a) No schedule provided = 0 b) Basic schedule showing start and completion dates, completion longer than 30 days = 2 c) Schedule showing tasks to be undertaken and key milestone dates, completion 20 days = 4 d) Schedule showing all key events, milestones , durations, resources for specialists and specific tasks in sequence. Completion 10-15 days. A comprehensive and realistic technical construction programme is provided in the correct format (Gantt Chart or similar). | 15 |

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|-----------|--|---|-------------------|
| | | Showing critical activities, milestone dates, ordering of material, manufacturing, delivery to site, construction, testing, analysis of tests and all that is relevant to the works. Meets Employer's requirements with no omissions= 5 | |
| 4. | <u>References to similar Work (Waterproofing of Buildings/Building Maintenance/Evidence of completed work)</u> | a) No reference to similar work submitted = 0 b) 5 Previous similar projects completed with references = 2 c) 7 Previous similar projects completed with references = 4 d) 10+ Previous similar projects completed with references=5 | 30 |
| | | | TOTAL: 100 |

| Score | (%) | Definition |
|--|-----|--|
| 5 | 100 | COMPLIANT <ul style="list-style-type: none"> Meet technical requirement(s) AND; No foreseen technical risk(s) in meeting technical requirements. |
| 4 | 80 | COMPLIANT WITH ASSOCIATED QUALIFICATIONS Meet technical requirement(s) with; <ul style="list-style-type: none"> Acceptable technical risk(s) AND/OR; Acceptable exceptions AND/OR; Acceptable conditions. |
| 2 | 40 | NON-COMPLIANT <ul style="list-style-type: none"> Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; Unacceptable exceptions AND/OR; Unacceptable conditions. |
| 0 | 0 | TOTALLY DEFICIENT OR NON-RESPONSIVE |
| Note 1: The scoring table does not allow for scoring of 1 and 3. Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy. | | |

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

| Mandatory Criteria Number | TET 1 | TET 2 | TET 3 | TET 4 | TET 5 | TET 6 | TET 7 | TET n |
|--|--------------------|---------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| N/A | | | | | | | | |
| Qualitative Criteria Number | TET 1 | TET 2 | TET 3 | TET 4 | TET 5 | TET 6 | TET 7 | TET n |
| 1 | Zubair Johannes | Johannes Fielies | Zahier Kapery | | | | | |
| 2 | Zubair Johannes | Johannes Fielies | Zahier Kapery | | | | | |
| 3 | Zubair Johannes | Johannes Fielies | Zahier Kapery | | | | | |
| 4 | Zubair Johannes | Johannes Fielies | Zahier Kapery | | | | | |

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

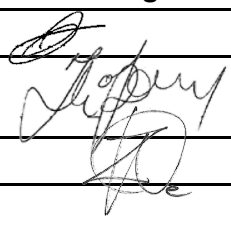
| Risk | Description |
|-------------|--|
| 1. | Alternative specifications and construction methods indicated by tenderers. |
| 2. | Plant and Equipment availability |

Table 6: Unacceptable Technical Risks

| Risk | Description |
|-------------|---|
| 1. | Incomplete and generic method statement |
| 2. | Incomplete and generic QCP |
| 3. | Deviating from scope of work |
| 4. | Insufficient Waterproofing/Building Maintenance experience |
| 5. | |
| 6. | |
| 7. | |

4. AUTHORISATION

This document has been seen and accepted by:

| Name | Designation | Signature |
|------------------|--|---|
| Johannes Fielies | SEM: Civil and Structures |  |
| Zahier Kapery | Chief Technologist: Civil and Structures | |
| Zama Mkhize | Manager Maintenance | |
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5. REVISIONS

| Date | Rev. | Compiler | Remarks |
|------------|------|-------------|-------------|
| 2022/03/15 | 1.0 | Z. Johannes | First Issue |

6. DEVELOPMENT TEAM

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

TET Members

7. ACKNOWLEDGEMENTS

None.

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