

Title: **Tender Technical Evaluation
Strategy for Jagersrust Water
Pipeline Replacement at DPSS**

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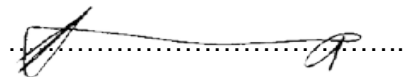
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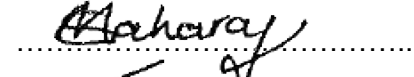


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1. INTRODUCTION

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

The scope includes the replacement of Jagersrust Water Pipeline and water distribution network. This includes the Detail Design and Construction of the water pipeline.

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 Jagersrust.

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] Works Information

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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.	<p>The Tenderer and the Tenderer's Subcontractor or Consultant must have a minimum of 5 years' experience of similar work. The tenderer provides evidence of completed works related to Civil Engineering Water Pipelines and Water Reticulation.</p> <p>This includes:</p> <ul style="list-style-type: none"> • Design and Construction of similar projects as related to the works. Demonstrating key staff competence (Proof of certified qualification i.e. BEng/BSc/BTech in Civil Engineering) • Project name and references • Description of work performed • Project value • Signed completion certificates indicating project start and completion dates. • Organisational structure to show roles, reporting lines and authority i.e. (Contract Manager, Site agent, Supervisor, General Forman etc.) • Project team strength- Provision of brief CV's clearly outlining the years of experience for each personnel. 	Works Information Section 3	<ul style="list-style-type: none"> • The Tenderer and the tenderer's sub-contractor or consultant must demonstrate specialist consultant experience in Civil Engineering Water Pipelines and Water Reticulation Design to execute the works. • The Tenderer demonstrates civil engineering construction experience and expertise with respect to Water Pipelines, excavation, civil services, concrete works, road repairs, road ancillary works etc. Tenderer must be registered with the CIDB in a CE Class of construction works.
2.	Tenderer attends site clarification meeting	<p>Mandatory requirement- Functionality</p> <p>Tenderer signs an attendance register at the site clarification meeting</p>	Tenderer to conduct a visual inspection of the site as per the Works Information. Tenderers must familiarise themselves with the site and existing infrastructure.

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. The method statement provided shows step by step construction methods and execution specific to the scope of work. All activities have been included. The method statement details the procedures for delivering and manufacturing of the works that indicates relevance to scope, surveying, earthworks, excavations, pressure pipeline construction, testing and commissioning of pipelines, concrete works etc. A comprehensive construction method statement is provided. Meets Employer's requirements with no omissions. Meets Employer's requirements with no omissions.=5	30
2.	<u>Quality Control Plan (QCP)</u>	a) No QCP provided = 0 b) Typical non-specific 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.), comprehensive check sheets/check lists for work activities and procedures. = 5	25
3.	<u>Technical Schedule/Construction Programme</u>	The Tenderer must submit a proposed technical programme of the works for the project outlining the main activities and timeframes from start to end of the project a) No schedule provided = 0 b) Basic schedule showing start and completion dates only = 2 c) Schedule showing tasks to be undertaken and key milestone dates and activities= 4 d) Schedule showing all key events, milestones , durations, resources for specialists and specific tasks in sequence. A comprehensive and realistic technical construction	15

		programme is provided in the correct format (Gantt Chart or similar). Showing critical activities, milestone dates, design submissions, 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 (Tender Category :Civil Engineering Civil Works Services, Water Pipelines, Water Reticulation, Earthworks (Pipe Trenches), Concrete Structural, Road Services, Traffic Accommodation, Testing and Commissioning of pressurised pipelines completed work)</u>	<p>Tenderer must provide references to similar work. The Tenderer must submit proof of successfully completed projects similar and comparative projects. Appointment letters and signed Completion Certificates to be submitted (signed by the Employer, Project Manager and Contractor for each project listed.</p> <p>a) No reference to similar work submitted = 0</p> <p>b) 5 Previous similar projects completed with references = 2</p> <p>c) 7 Previous similar projects completed with references = 4</p> <p>d) 10+ Previous similar projects completed with references=5</p>	30
			TOTAL: 100

Table 4: Qualitative Technical Evaluation Scoring Range

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
<p>Note 1: The scoring table does not allow for scoring of 1 and 3.</p> <p>Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.</p>		

3.5 TET MEMBER RESPONSIBILITIES

Table 5: 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 6: Acceptable Technical Risks

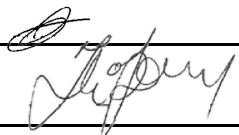
Risk	Description
1.	Alternative specifications and construction methods indicated by tenderers.
2.	Plant and Equipment availability

Table 7: Unacceptable Technical Risks

Risk	Description
1.	Incomplete and generic method statement
2.	Incomplete and generic QCP
3.	Deviating from scope of work
4.	Insufficient Civil Services/Pipeline construction 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	

5. REVISIONS

Date	Rev.	Compiler	Remarks
2022/06/08	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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