Eskom	Strategy	Peaking

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1. INTRODUCTION

This document captures the Tender Technical Evaluation Strategy for the Jagersrust Potable Water Pipeline and Surface Water Tanks Replacement at Drakensberg Pumped storage scheme.

The project involves replacing the existing Jagersrust potable water transmission pipeline, which has reached the end of its service life. The works include the full replacement of the galvanised steel pipeline between the Water Treatment Plant and the Jagersrust reservoirs, as well as the asbestos cement distribution pipelines supplying the village and surrounding communities. These pipelines will be upgraded to HDPE to improve reliability, water quality, and long-term operational performance.

In addition to the pipeline replacements, the project includes installing new surface potable water storage tanks and a new deluge tank, with reinforced concrete foundation. The completed works will deliver a more durable, efficient, and sustainable potable water supply system for all connected users.

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 Generation Tender Technical Evaluation Procedure 240-168966153 and shall be used by the Technical Evaluation Team (TET) during tender evaluation.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the tender evaluation requirements that will be applied during the technical evaluations to evaluate the proposals received from the market. The Tender Technical Evaluation Strategy (TES) defines the following with regards to this project.

- Mandatory Evaluation Criteria,
- Qualitative Evaluation Criteria,
- Technical Evaluation Team (TET) Members Responsibilities, and
- Acceptable & Unacceptable Qualifications.

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 applicable to Drakensberg Pumped Storage Scheme.

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] 240-168966153: Generation Tender Technical Evaluation Procedure

[2] 240-53716726: Technical Scoring Form

[3] 240-53716712: Technical Evaluation Results

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2.2.2 Informative

[4] ISO 9001 Quality Management Systems

[5] 240-53114190 Internal Audit Procedure

[6] 240-141007195 Electronic Signature Usage Policy

[7] 240-156280553 Procedure for signing documentation electronically using the Eskom Electronic Signing System

[8] 31A/3809-N Technical Specification (ECC3) for Jagersrust Potable Water Pipeline and Surface Water Tanks Replacement at Drakensberg Pumped Storage Scheme

[9] 31A/3809-C Concept Design Report for Jagersrust Water Pipeline and Surface Water Replacement, DPSS

[10] 31A/3809-L Basic Design Report for Jagersrust Water Pipeline and Surface Water Replacement, DPSS

2.3 DEFINITIONS

Definition	Description
Tender	Refers to a written or electronic offer, tender, bid, quotation or proposal made by a supplier, in a prescribed form according to the issued enquiry, for the provision of assets, goods, works or services, and/or disposals (Investment Recoveries).

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
CFT	Cross Functional Team
CV	Curriculum Vitae
DPSS	Drakensburg Pumped Storage Scheme
ECM	Engineering Change Management
ECSA	Engineering Council of South Africa
EDWL	Engineering Design Work Lead
LDE	Lead Discipline Engineer
N/A	Not Applicable
QCP	Quality Control Plan
SHE	Safety, Health and Environmental
SHEQ	Safety, Health, Environmental and Quality
SME	Subject Matter Expert
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

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2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure for Generation

2.6 RELATED/SUPPORTING DOCUMENTS

31A/3809-C Concept Design Report for Jagersrust Water Pipeline and Surface Water Replacement, DPSS.

31A/3809-L Basic Design Report for Jagersrust Water Pipeline and Surface Water Replacement, DPSS.

31A/3809-N Technical Specification (ECC3) for Jagersrust Water Pipeline and Surface Water Replacement, DPSS.

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 MANDATORY EVALUATION CRITERIA PRIOR TO TENDER CLOSING

Tenderers shall attend the mandatory site clarification meeting as detailed in the tender documents.

- Failure to meet any mandatory requirement at tender closing shall result in disqualification from further evaluation.
- Tenderers who **do not meet this mandatory criterion** shall **not proceed to the technical (qualitative) evaluation stage.**

3.2 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Tenderers who meet all mandatory criteria shall be evaluated against the Qualitative Technical Evaluation Criteria, as defined in the tender documentation.

- Evaluation shall be based on a weighted scoring system.
- A **minimum threshold score of 70%** must be achieved to be considered technically acceptable.

3.3 TET MEMBERS

Table 3-1: TET Members

Table 2: Core TET Members

The full-time core technical evaluation team will consist of the following team members (in-line with the Generation Tender Technical Evaluation Procedure, 240-168966153).

TET number	TET Member Name	Designation

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3.4 MANDATORY TECHNICAL EVALUATION CRITERIA PRIOR TO TEDNER CLOSING

Table 3-4: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable (Prior to Tender Closing)	Motivation for use of Criteria
1	The Tenderer attends a compulsory site clarification meeting either physically at Drakensberg Pumped Storage Scheme or virtually, online	As per the Works Information	Tenderer's must assess the site conditions, constraints and submit their tender accordingly

3.5 QUALITATIVE EVALUATION CRITERIA SCORING TABLE

During the tender evaluations, Table 3-7 shall be used by the TET members to score each criterion on a scale of 0 to 5.

Table 3-5: Qualitative Evaluation Criteria Scoring Guideline

Score	Percentage	Description
5	100	**COMPLIANT** • Meet technical requirements and • No foreseen technical risk(s)in meeting technical requirements
4	80	**COMPLIANT WITH ASSOCIATED QUALIFICATIONS** Meet technical requirement(s) with, • Acceptable technical risk and/or • Acceptable exceptions and/or • Acceptable conditions
2	40	**NON-COMPLIANT** • 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.		

3.6 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3-6: Qualitative Technical Evaluation Criteria

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1. Tenderer's Experience			**30**	
1.1	References of relevant work experience: The Tenderer shall demonstrate experience on similar projects by submitting five (5) or more completed projects within the last five (5) years from the date of tender closing on of the following categories: • Design and construction of potable water pipelines, surface water tanks including all associated civil works and infrastructure. The list **must** indicate: • Project Name, • Contactable reference (phone number, email, etc.), • Detail description of work performed, • Project Value (only for scope performed), and • Project Start and End Date. These must be supported completion letters or reference letters from the previous clients. Demonstration of Design and Construction Capability: • Tenderers shall demonstrate capability to execute both the design and construction components of the works.	Work Experience & Referee List Works Information		100

	• Where the Tenderer possesses both in-house design and construction capabilities, evidence of experience in both disciplines shall be provided. • Where the Tenderer does not possess in-house design capabilities, a signed Letter of Intent from the proposed professional engineering consultants responsible for the design component shall be submitted with the tender. • Where the Tenderer is a professional engineering consulting firm and does not possess construction capabilities, a signed Letter of Intent from the proposed construction Contractor responsible for the construction component shall be submitted with the tender.			
2. Technical Approach & Methodology			**30**	
2.1	Detailed method statements for the design and construction of potable water pipelines and surface water tanks and all associated civil works and infrastructure including data sheets for all proposed pipes, fittings, valves, tanks and fibre optic components demonstrating compliance with specifications.	Works Information.		100
3. Quality Management			**10**	
3.1	Quality Control Plan (QCP) and Inspection & Test Plan (ITP) of the works to be executed.	Works Information.		100
4. Project Execution Programme			**10**	
4.1	Provide feasible programme showing critical path, sequencing, hold points, resourcing plan and the duration for the execution of works.	Works Information		100
5. Project Team and Organogram			**20**	
5.1	The Tenderer shall submit detailed CVs of the proposed key personnel assigned to the project, clearly demonstrating their qualifications, professional registrations, and relevant	Tenderers submits CVs for verification of adequate experience and qualification		100

	experience in the design and construction of potable water pipelines, surface water storage tanks, and associated civil works and infrastructure. The proposed personnel shall include ECSA-registered Professional Engineers (Pr. Eng.) and/or Professional Engineering Technologists (Pr. Tech. Eng.) for the design component, and SACPCMP-registered professionals for the construction component of the works.	in project team and proof of ECSA and SACPCMP registration for their respective engineering disciplines and a detailed project organogram.		
			TOTAL: 100	

3.7 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3-7: Qualitative Technical Evaluation Criteria – Scoring Measures

Civil & Structural				
Criteria No	**Qualitative Technical Criteria Description**	**Criteria Sub Weighting (%)**	**Range**	**Score**
1.1	**Tenderer's Experience**	**100**	No relevant design and construction projects submitted, or projects are not aligned with the Scope of Works.	0
			One (1) to two (2) relevant design and/or construction projects submitted.	2
			Three (3) to four (4) relevant design and construction projects submitted.	4
			Five (5) or more relevant design and construction projects submitted.	5
2.1	**Technical Approach & Methodology**	**100**	Not submitted or completely non-compliant with the Works Information.	0

			Generic method statements with major deviations from Works Information.	2
			Generally aligned with the Works Information but with minor deficiencies.	4
			Fully detailed and technically sound method statements related to the Works Information.	5
3.1	**Quality Management**	**100**	QCP submitted but addresses none of relevant tasks OR no QCP submitted.	0
			High level QCP submitted with major deviations of the works to be done.	2
			QCP submitted with minor deviations of the tasks required for conducting works and all the inspections required, but showing all work activities, procedures, risks and intervention points.	4
			Detailed QCP addressing all tasks required for conducting the works and all the inspections required, showing the intervention points, check sheets/check lists for work activities and procedures.	5
4.1	**Project Execution Programme**	**100**	Programme not submitted or unrealistic.	0
			Programme submitted but poorly structured.	2
			Programme generally acceptable with minor gaps.	4
			Fully detailed, logical and aligned with the Works Information.	5
5.	**Project Team and Organogram**			
5.1	The Tenderer shall submit detailed CVs of the proposed key personnel assigned to the project, clearly demonstrating their qualifications, professional registrations, and relevant experience in the design and construction of potable water pipelines, surface water storage tanks, and associated civil works and infrastructure.	**100**	No relevant experience demonstrated and no professionally registered personnel proposed for the design and construction components and no organogram submitted.	0
			Limited relevant experience with no professionally registered personnel and organogram not aligned to the scope of works.	2
			Limited relevant experience demonstrated with professionally registered personnel proposed for the design and construction	4

	The proposed personnel shall include ECSA-registered Professional Engineers (Pr. Eng.) and/or Professional Engineering Technologists (Pr. Tech. Eng.) for the design component, and SACPCMP-registered professionals for the construction component of the works.		components with an adequate structure of the organogram with minor clarity issues.	
			Extensive and highly relevant experience demonstrated with professionally registered personnel proposed for the design and construction components, indicating strong capabilities to successfully deliver the works with a clearly structured and comprehensive organogram.	5

3.8 TET MEMBER RESPONSIBILITIES

Table 3-8: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
1	X	X	X	X	X	0ptional
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 5**	**TET 6**
1.1	X	X	X	X	X	0ptional
2.1	X	X	X	X	X	0ptional
3.1	X	X	X	X	X	0ptional
4.1	X	X	X	X	X	0ptional
5.1	X	X	X	X	X	0ptional

3.9 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.9.1 Risks

Table 3-9: Acceptable Technical Risks

Risk	Description
1.	**The Tenderer subcontracts other scopes related to the works.**
2.	**The Tenderer's Construction manager not registered as a Professional Construction Project Manager with SACPCMP but has relevant experience and qualifications.**

Table 3-10: Unacceptable Technical Risks

Risk	Description
1.	**If the Tenderer does not have sufficient experience to carry out the works or the submitted resources do not have relevant experience and are not professionally registered personnel to execute the works.**
2.	**The Tenderer's timelines (schedules) not as per the Works Information.**

3.9.2 Exceptions / Conditions

Table 3-11: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	**The Tenderer's resource can carry out two functions in executing the scope e.g. Professional Engineer/ Technologist being a Construction Manager/ Site Agent as well.**

Table 3-12: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	**The Tenderer does not have relevant experience to execute the scope and does not perform the designs as per the Eskom standards.**

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature

5. REVISIONS

Date	Rev.	Compiler	Remarks

6. DEVELOPMENT TEAM

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

7. ACKNOWLEDGEMENTS

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