

Title: **Tender Technical Evaluation
Strategy – Raw Water Make-up
Valves Refurbishment**

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1. INTRODUCTION

The butterfly isolation valves and float valves on the Raw Water make-up lines to the East and West Forebay are passing and need to be repaired/refurbished. Furthermore the supply line between the isolation valve and the float valve is damaged and needs to be replaced.

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 of the Camden Raw Water Make-up Valves Refurbishment enquiry. 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 Technical Evaluation Team (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 the Camden Raw Water Make-up Valves Refurbishment scope.

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] 32-1034: Eskom Procurement Policy
- [3] Contract Strategy

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
CV	Curriculum Vitae
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation 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

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

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Table 1: Qualitative Evaluation Criteria Scoring Table

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.		

3.2 TET MEMBERS

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3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	KPI - CRITERIA EVALUATION INDICATOR	MINIMUM CRITERIA EVALUATION REQUIREMENTS	TENDER RETURNABLE
1	Experience of contractor	Provide verifiable proof of similar work done i.e. large bore (>500mm Ø) valve and pipe refurbishment work within the last five years (dates to be included)	The listing shall include completion certificates and contact details for the listed reference projects.
2	Welding Certification	ISO 3834-3 Certified (ISO 3834-3:2021 Quality Requirements for fusion welding of metallic materials – Part 3: Standard Quality Requirements)	Certified copy of ISO 3834-3 certification to be submitted

3.4 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 (%)	SCORE SCALE			
				FLOOR	KICK IN	AVERAGE	CEILING
CRITERIA 1: MECHANICAL REQUIREMENTS		70		0=0%	2=40%	4=80%	5=100%
1.1 Quality Control Plan (QCP)	Submit a QCP for a similar job that was done by the company tendering for the contract		30	None provided	High-level QCP missing: ≥3 steps, inspections and/or interventions	QCP missing 1 - 2 steps, inspections and/or interventions	Detailed QCP indicating all steps, inspections and/or interventions
1.2 Method Statement	High level construction method statement, the method statement clearly demonstrates the Tenderer's compliance with the full scope of work as detailed in the works.		30	None provided	High-level Method Statement: ≥3 steps missing	Method Statement missing 1 - 2 steps	Detailed Method Statement indicating all steps
1.3 Coating Specification and Procedure	Submit coating specification and procedure to be used by the company tendering for the contract. All material used should be corrosion resistant and suitable for the water quality stipulated in the works		25	None provided	High-level Procedure: ≥3 steps missing	Procedure missing 1 - 2 steps	Detailed Procedure indicating all steps
1.4 Detailed Programme	Detailed program indicating the time that will be required for execution of the entire scope. The programme to show all activities from site establishment to site de-establishment.		15	None provided	Not an option	Some activities missing	All activities steps provided

QUALITATIVE TECHNICAL CRITERIA DESCRIPTION	REFERENCE TO TECHNICAL SPECIFICATION / TENDER RETURNABLE	CRITERIA WEIGHTING (%)	CRITERIA SUB WEIGHTING (%)	SCORE SCALE			
				FLOOR	KICK IN	AVERAGE	CEILING
CRITERIA 2: WELDING QUALIFICATIONS		30		0=0%	2=40%	4=80%	5=100%
2.1 Welding Inspector level 2 (SAIW)	Submit a detailed CV with certified copies of the Qualifications AND 3 years relevant experience with traceable references.		20	Totally Deficient or Non-responsive	One (1) or more Welding Inspectors provided with certified copy of qualification(s), CV indicating one (1) or more years of experience.	One (1) or more Welding Inspectors provided with certified copy of qualification(s), CV indicating two (2) or more years of experience.	Meet requirements - one (1) or more Welding Inspectors provided with certified copy of qualification(s), CV indicating three (3) or more years of experience.
2.2 Welding Procedure Specification (WPS) AND Welding Procedure Qualification Record (WPQR)	Submit WPS AND WPQR in accordance with ISO 15614-1:2017 - Specification and Qualification of welding procedures for metallic materials – Welding procedure test – part 1		20	Totally Deficient or Non-responsive	Either one of the tender returnables not provided	Not an option	Both tender returnables provided

QUALITATIVE TECHNICAL CRITERIA DESCRIPTION	REFERENCE TO TECHNICAL SPECIFICATION / TENDER RETURNABLE	CRITERIA WEIGHTING (%)	CRITERIA SUB WEIGHTING (%)	SCORE SCALE			
				FLOOR	KICK IN	AVERAGE	CEILING
				0=0%	2=40%	4=80%	5=100%
2.3 Welders qualifications in accordance with ISO 9606-1:2012: Qualification testing of welders – Fusion Welding	Submit a detailed CV with certified copies of the Qualifications (Certified Welder or Trade Test Certificate) AND 3 years relevant experience with traceable references.		20	Totally Deficient or Non-responsive	One (1) or more Welders provided with certified copy of qualification(s), CV indicating one (1) or more years of experience	One (1) or more Welders provided with certified copy of qualification(s), CV indicating two (2) or more years of experience	Meet requirements – Two (2) or more Welders provided with certified copy of qualification(s), CV indicating three (3) or more years of experience
2.4 Boiler Makers	Submit a detailed CV with certified copies of the Qualifications (Trade Test Certificate) AND 3 years relevant experience with traceable references.		10	Totally Deficient or Non-responsive	One (1) or more Boiler Makers provided with certified copy of qualification(s), CV indicating one (1) or more years of experience	Two (2) or more Boiler Makers provided with certified copy of qualification(s), CV indicating two (2) or more years of experience	Meet requirements – Two (2) or more Boiler Makers provided with certified copy of qualification(s), CV indicating three (3) or more years of experience

QUALITATIVE TECHNICAL CRITERIA DESCRIPTION	REFERENCE TO TECHNICAL SPECIFICATION / TENDER RETURNABLE	CRITERIA WEIGHTING (%)	CRITERIA SUB WEIGHTING (%)	SCORE SCALE			
				FLOOR	KICK IN	AVERAGE	CEILING
				0=0%	2=40%	4=80%	5=100%
2.5 Completed (QCP or ITP) for a welding activity	Provide a QCP for a typical welding activity i.e. welding a pipeline		20	Totally Deficient or Non-responsive	Submitted – but not signed, or not relevant	Submitted – missing one critical signature	Fully compliant
2.6 Fire watcher	Submit a detailed CV with certified copies of the Qualifications (Fire Watcher training certificate) with traceable references.		10	Totally Deficient or Non-responsive	Not an Option	Not an Option	Meet requirements - one (1) or more Fire Watchers provided with certified copy of qualification(s), CV

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5
1	X	X	X		
2				X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5
1.1 to 1.4	X	X	X		
2.1 to 2.6				X	X

X – Mandatory

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	Failure to provide spares lists

Table 7: Unacceptable Technical Risks

Risk	Description
1.	No information on adherence to Eskom Standards provided.

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Professional Technologist is utilised and not Professional Engineer as deemed by ECSA

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Failure to meet plant performance requirements in terms of reliability and availability
2.	

4. REVISIONS

5. DEVELOPMENT TEAM

N/A

6. ACKNOWLEDGEMENTS

N/A

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