

	<b>Strategy</b>	<b>Engineering</b>
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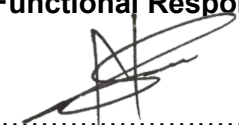

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## **1. INTRODUCTION**

The sand filters are the final stage of the raw water pre-treatment process, downstream of the clarifiers and prior to the potable and demineralised water production stages. Sand filters remove any flocculant that was carried over from the clarifiers. Camden's Water Treatment Plant (WTP) has six sand filters divided into two banks (east and west) which can be isolated to function separately if maintenance is required. Filters 1, 3 and 5 are on the west side and filters 2, 4, 6 are on the east side.

The WTP sand filter nozzle bases, inlet valves and covers are in urgent need of repair/refurbishment.

## **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 WTP Sand Filter 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 WTP Sand Filter Refurbishment scope of work.

### **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**

<b>Abbreviation</b>	<b>Description</b>
CV	Curriculum Vitae
TET	Technical Evaluation Team
WTP	Water Treatment Plant

## **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

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### 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%.

**Table 1: Qualitative Evaluation Criteria Scoring Table**

Score	(%)	Definition
5	100	<b>COMPLIANT</b> <ul style="list-style-type: none"><li>Meet technical requirement(s) AND;</li><li>No foreseen technical risk(s) in meeting technical requirements.</li></ul>
4	80	<b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b> Meet technical requirement(s) with; <ul style="list-style-type: none"><li>Acceptable technical risk(s) AND/OR;</li><li>Acceptable exceptions AND/OR;</li><li>Acceptable conditions.</li></ul>
2	40	<b>NON-COMPLIANT</b> <ul style="list-style-type: none"><li>Does not meet technical requirement(s) AND/OR;</li><li>Unacceptable technical risk(s) AND/OR;</li><li>Unacceptable exceptions AND/OR;</li><li>Unacceptable conditions.</li></ul>
0	0	<b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>

**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

**Table 2: TET Members**

TET number	TET Member Name	Designation
TET 1	Natasha Naidu	Auxiliary System Engineer
TET 2	Jeffrey Nkuna	Snr Supervisor Tech Maint

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### **3.3 MANDATORY TECHNICAL EVALUATION CRITERIA**

**Table 3: Mandatory Technical Evaluation Criteria**

	<b>KPI - CRITERIA EVALUATION INDICATOR</b>	<b>MINIMUM CRITERIA EVALUATION REQUIREMENTS</b>	<b>SOURCE</b>
<b>1</b>	<b>Experience of contractor</b>	Provide verifiable references and sources of evidence that the Contractor has successfully refurbished/repaired sand filters as defined in the enquiry and Scope of Work (SOW) documents within the last 5 years.	<p>The listing shall include formal signed off QCPs, release certificates or a list of successfully completed projects.</p> <p>The listing must include the following:</p> <ul style="list-style-type: none"><li>• Description of the work performed</li><li>• Name of company where project was executed</li><li>• Contact person and contact number</li><li>• Contract period</li><li>• Contract value</li><li>• Contract number</li></ul>

### 3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

**Table 4: Qualitative Technical Evaluation Criteria**

	KPI - CRITERIA EVALUATION INDICATOR	MINIMUM CRITERIA EVALUATION REQUIREMENTS	SOURCE	CRITERIA WEIGHTING %	SCORE SCALE			
<b>Criteria 1: Mechanical Works</b>					Floor	Kick in	Average	Ceiling
					0=0%	2=40%	4=80%	5=100%
1.1	<b>Method Statement for work</b>	Detailed Method Statement clearly demonstrates the Tenderer's compliance with the full scope of work as detailed in the works. The following is addressed: <ul style="list-style-type: none"> <li>Supply of material</li> <li>Fabrication</li> <li>Delivery</li> <li>Installation methodology</li> <li>FATS/SATS</li> </ul>	Detailed Method Statement document	30	Totally Deficient or Non-responsive	4 steps missing	2 steps missing	Detailed Method Statement submitted covering all 5 steps
1.2	<b>List of deviations from the Eskom specification</b>	Company must provide a letter either stating no deviations or must state the deviations.	List of deviations	10	Detrimental, technically unacceptable deviations or exclusions	Not an option	Acceptable deviations or exclusions	A definitive statement that there are no deviations or exclusions
1.3	<b>Related experience</b>	Key resources related experience:	CV's of Key Resources	30	Totally Deficient or Non-responsive	CV indicating one (1) year of related experience	CV indicating three (3) years of related experience	CV indicating five (5) or more years of related experience
1.4	<b>Sand filter covers</b>	Proposal for sand filter covers meets the following requirements: <ul style="list-style-type: none"> <li>Be transparent to allow visibility into the sand filter</li> <li>Be easily removable to allow for Maintenance</li> <li>Be designed in such a way to prevent ingress of foreign particles and allow for easy cleaning of the cover</li> </ul>	Proposal for sand filter covers	30	Totally Deficient or Non-responsive	Proposal for sand filter covers meets 1 or 2 requirements	Not an option	Proposal for sand filter covers meets all 3 requirements

### **3.5 TET MEMBER RESPONSIBILITIES**

**Table 5: TET Member Responsibilities**

<b>Mandatory Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>
1	X	X
<b>Qualitative Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>
1.1 to 1.4	X	X

X – Mandatory



### **3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS**

#### **3.6.1 Risks**

**Table 6: Acceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
1.	Failure to provide spares lists

**Table 7: Unacceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
1.	No information on adherence to Eskom Standards provided.

#### **3.6.2 Exceptions / Conditions**

**Table 8: Acceptable Technical Exceptions / Conditions**

<b>Risk</b>	<b>Description</b>
1.	

**Table 9: Unacceptable Technical Exceptions / Conditions**

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

4. REVISIONS

Date	Rev.	Compiler	Remarks
January 2024	1	N. Naidu	Original Issue

5. DEVELOPMENT TEAM

N/A

6. ACKNOWLEDGEMENTS

N/A

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