Eskom	**TECHNICAL EVALUATION CRITERIA**	**GROOTVLEI POWER STATION**

Supply, delivery, and Installation of Total Organic Carbon analyzer. Train staff on how to use it and service the supplied instrument for 60 months on as and when required basis.

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Area of Applicability: **Grootvlei Power Station**

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1. Introduction

Grootvlei Power Station consists of 3 wet cooled units which produce 200MW each at full load, during the process of electricity generation, the station uses water for electricity production, cooling, and drinking. Total Organic Carbon (TOC) measures the amount of organic (Carbon-containing) compounds in a water sample, which can come naturally, decaying matter or human activities like industrial discharge. TOC is key water quality indicator as it can interfere with water treatment processes (High TOC affects demineralized water treatment and Affect drinking water standard). These processes need to be monitored by means of analyzing TOC levels.

2. Supporting Clauses

2.1 Scope

Supply, delivery of Total Organic Carbon analyzer, install instrument, train staff on how to use it and service the supplied instrument for 60 months on as and when required basis. Supply of consumables.

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 shall apply to Grootvlei Power Station.

2.1.3 Effective date

Not Applicable

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] The provision of Total Organic Carbon analyzer at Grootvlei Power Station, Water laboratory.

2.2.2 Informative

Not Applicable.

2.3 Definitions

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
N/A	Not Applicable
TOC	Total Organic Carbon
IC	Inorganic Carbon
TC	Total Carbon

2.5 Roles and Responsibilities

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 Process for Monitoring

Not applicable

2.7 Related/Supporting Documents

Not applicable

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THERESHOLD

Mandatory Technical Evaluation Criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted, or point scored but shall be assessed on a Yes/No basis as to whether the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and the tenderer shall not be further evaluated against Qualitative Criteria.

Qualitative Technical Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion.

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 75% on Section 1 and 100% on section 2 of technical evaluation. Section 2 is considered the most important section since it talks more about instrument performance and production of reliable results.

3.2 TET MEMBERS

Table 1: TET MEMBERS

TET number	TET Member Name	Designation
TET 1	Sabelo Hlatshwayo	Snr Supervisor Tech Chemistry
TET 2	Mpho Netshidzati	Snr Supervisor Tech Chemistry
TET 3	Beverly Makaleng	Technician Chemistry

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	**Motivation for use of Criteria**
1	Technical Data Sheet of the instrument including drawings and how it operates.	Instrument that does not have technical data sheet does not give details of how it operates.
2	Supplier Must have workshop. Pictures of the workshop should be attached. Add the address of the workshop.	Supplier workshop that will be used to repair instruments and testing.
3	Supplier Must be the OEM or having long term agreement with the OEM signed and stamped by OEM. OEM letter confirming this agreement is necessary.	This will help with after sale service for 60 Months.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

Detailed technical evaluation: Section one to be completed by end-user before visiting workshop of suppliers.

Section 1:

	Factor	Weight	feedback	Score of Weight	Suppliers Score		
1	Instrument able to detect TC, IC, and TOC. (Proof from technical data sheet from supplier)	60%	Analyse all Total Carbon, Inorganic Carbon and Total Organic Carbon	100			
			Analyse only two. Total Organic Carbon and other.	50			
			Analyse only one.	10			

2	Instrument must use computer, Auto sampler, software and data stored in software with traceability.	40%	Uses computer software, Autosampler and store data in computer.	100			
			Do not use software in a computer but uses autosampler and storing data in instrument.	60			
			Uses autosampler and do not store data.	10			
	Total	100%					

Threshold

The threshold on the technical evaluation criteria is 75%for section 1. Suppliers / Service providers would be deemed technically unacceptable if they score less than the threshold score and will thus not be evaluated further to section 2.

Section 2 All who passed section one technical evaluation will be evaluated further to section 2. End-user to visit workshops of suppliers to do analysis of supplier standards (KHP ppb and ppm standard) using instrument that is similar to the one that is to be supplied to Grootvlei power station.

	Factor	Weight	feedback	Score of Weight	Suppliers Score		
1	Instrument analysing standard in PPB and standard in PPM between 50ppb to 10ppm or more	100%	Results within ±2 x standard deviation of true value.	100			
			Results above ±2 x standard deviation and below ±3 x standard deviation of true value.	70			
			Results reading outside control limits, above ±3 x standard deviation of true value.	10			
	Total	100%					

For supplier to be considered technical acceptable should pass the second section of technical evaluation by 100%. Suppliers who passed will be evaluated further.

Feedback:_____
_____
_____

Rating for Technical Criteria

Rating for Individual Technical Criteria	%
Completely Meets Technical Requirement	100
Mostly Meets Technical Requirement	75
Partially Meets Technical Requirement	50
Mostly Does Not Meet Technical Requirement	25
Does not Meet Technical Requirement	0

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	
Section 1			
1	X	X	X
2	X	X	X
3	X	X	X
Section 2			
1			X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

Table 5: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 6: Unacceptable Technical Risks

Risk	Description
1.	N/A

3.7 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

4. Acceptance

This document has been seen and accepted by:

5. Revisions

Date	Rev.	Compiler	Remarks
October 2025	1		Final Document

6. Development Team

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

7. Acknowledgement

None