Eskom	Strategy	<Division> Operating

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Compiled by	Functional Responsibility	Authorised by
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Date: 2025/12/03	Date: 2025/12/08	Date: 2025/12/12

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TABLES

1. INTRODUCTION

Matimba power station produces demineralised Water using ion exchange systems. During the process of electricity production, it is imperative to monitor the chemistry of the water from water treatment plant to cycle chemistry system (water /steam). To monitor chemistry Eskom Matimba also consist of laboratory that monitors and verifiers process analysers and plant performances. The chemistry is monitored using analytical instruments and online process analysers. This are all required to be serviced and calibrated annually by and external service provider preferably OEMs. These instruments are used to prolong the life span of the plant and ensures that there is good laboratory practices and quality assurance.

1.1 *EMPLOYER*'S REQUIREMENTS FOR THE *SERVICE*

Quantity	Instrument	Service Number	Service to be rendered	repairs
1	Agilent Technologies 720 ICP-OES	3000014351	Service (service kit) Service report Multi wave standard calibration.	Repair of camera board Repair of faulty instrument components
1	Agilent technologies Carry 60 Uv-vis	3000011974	Service (service kit) and calibration for reactive silica 0-30ppb and 0-400ppm, ammonia 0-20ppm Service and calibration report Repair of faulty instrument components	Repair or replacement of peristaltic pump(sipper) PC, Agilent software , Sample cuvettes, carry uv optics and uv lamps and all the carry uv internals.
1	Seivers 900 potable TOC	3000015319	Service (service kit: oxidisers, acid, uv lamp ion exchange) Service and calibration report	Repair of faulty instrument components and PC (licensed software)
1	Seivers M9 portable TOC analyser	3000015319	Service (service kit: oxidisers, acid, uv lamp ion exchange) Service and calibration report	Repair of faulty instrument components and PC (licensed software)

1	SpectrAA varian 50 AAS	3000013282	Service (service kit) Service report Repair of faulty instrument components	Repair of faulty instrument components
1	Anton paar Multiwave GO Plus		Service and calibration of temperature sensor Service report	Repair of faulty instrument components
2	Merk Mili-Q IQ7000	0686271 0686277 0686274 3000021356	Service (service kit: Q-Guard and filters) Service report	Repair of faulty instrument components (arms, fitting and pressure gauges
8	Orion 2111LL	3000032993	Service (service kit: ISE and ref electrode, filter, tubing and o- rings standard and etching solutions) Service report	Repair or replacement of faulty instrument components: sensing cables, PCB, air pump and valves
2	Waltron Silica	3000032993	Service (service kit: waltron consumable kit) Service and calibration report	Repair or replacement of faulty instrument components: as peristaltic pumps and pinch valves. Sample pump, LED kit, flow cell
3	HANNA 5I5522-02 pH /SC	STS-067482	Service & calibration Service report	Repair/replacement of electrodes
1	Palin test photometer 7500	3000013919	Service (service and calibration including cuvettes and battery pack replacement) Service report	Repair or replacement photometer Replacement of cuvettes
1	Palin test micro 800 DO	3000013924	Service Service report	Replacement of DO electrode. Repair or replacement of DO

			Repair/replacement of electrodes	
1	Palin test pH/conductivity micro 800 multi	3000017740	Service Service report	Repair/replacement of electrodes
1	Palin test chlorometer	3000022907	Service Service report	Repair/replacement of chlorometer
1	LECO AC 600	3000025777 0687400 0694175 0694172 0685068 0685056 0694177 0689628 0694177 0694174 0694176 0689628 0689629 0024117 0687403	Service (service kit) Service report Repair of faulty instrument components	Repair of faulty instrument components
1	LECO S832	3000018892 0694178 0694179 0694171 0711495 0693923 0669663 0727648 0727647 0727646 0727948 0727803	Service (service kit) Service report Repair of faulty instrument components	Repair of faulty instrument components

1	LECO AF 700	3000014309 0689631 0694173 0694168 0694179 0054581 0689630 0685437	Service (service kit) Service report Repair of faulty instrument components	Repair of faulty instrument components
7	**Furnaces** **Ash** • FA 01 (ATS Darvan Brenko) • FA02 01 (ATS Darvan Brenko) • FA03 (ATS Micron Equip) • FACG01 (Lenton) **Volatile** • FV01(ATS Darrvan Brenko) • FV02 (ATS Darrvan Brenko) • FV03 (ATS Micron Equip	3000013154	Service (service kit) Service report Calibration. Calibration certificate. Repair of faulty instrument components	Repair of faulty instrument components

4	**Ovens** • OIM01 (Darvan Brenko) DOV 123A Drying oven. • OIM02 (Darvan Brenko DOV 123A drying oven. **Physical lab** • AI03 Scientific Oven , • AI04 Scientific Oven	3000013155	Service (service kit) Service report Calibration Calibration certificate. Repair of faulty instrument components.	Repair of faulty instrument components
2	**Hardgrove** • HI 01 (Waltech instrumentation NMRV 03 • HGI 02 Darvan Brenko 50Hz	3000021495	Service (service kit) Service report Repair of faulty instrument components	Repair of faulty instrument components
2	**Balances** Sartorius	3000016832	Calibration. Calibration certificate	N/A
3	**Scale** • STP 01 (ADAM 10c/40c) • SW02 ADAM)	3000018188	Calibration. Calibration certificate	N/A
8	**Mass pieces**	3000016831	Calibration.	N\A

	General lab WS01, WS02 and WS03 (Intercal) Physical lab: (W01, W02,W03, W04, W05 (Intercal)		Calibration certificate	
4	**Hygrometers** • Huato A200 • Vici 288 – CTH • Bio termp	3000019310	Calibration. Calibration certificate	Repair of faulty instrument components
8	**Thermocouples** • Sinometer DM680 6801B • Gigi – sense Type -K	3000017228	Calibration. Calibration certificate	Repair of faulty instrument components
1	Scientific water bath	3000018570	Calibration. Calibration certificate	

1.1.1 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.

1.1.2 Applicability

This technical evaluation criteria is a:

Technical evaluation Team (chemistry)

Procurement & Cross functional team

Procurement tender committee

1.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

1.2.1 Normative

[1] 240-168966153: Generation Tender Technical Evaluation Procedure

[2] 240-48929482: Tender Technical Evaluation Procedure (Transmission and Distribution)

[3] 240-76879530: Commercial procurement strategy

1.2.2 Informative

[4] Guideline for Quality Management of Chemistry On-line 240-105731602

1.2.3 Classification

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

1.3 ABBREVIATIONS

OEM	Original equipment manufacturer
SHE Rep	Safety Health Environment representative
HIRA	Hazard Identification Risk Assessment
OHS	Occupational Health and Safety
PPE	Personal Protective Equipment
SHE	Safety Health and Safety

1.4 ROLES AND RESPONSIBILITIES

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

1.5 PROCESS FOR MONITORING

N/A

1.6 RELATED/SUPPORTING DOCUMENTS

NEC3 Term service Contract of service and calibration of laboratory and online instruments for period of 5 years tender technical evaluation strategy.

1.7 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.

1.8 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Nkosinathi Simelane	Technician Chemistry
TET 2	Vhuthihi Makhwanya	Snr supervisor tech Chemistry
TET 3	Steven Mtileni	Snr Advisor Chemistry

1.9 MANDATORY TECHNICAL EVALUATION CRITERIA

<In Table 2 define all Mandatory Evaluation Criteria to be used as well as reference to specification and motivation for Criteria use>

Table 2: Mandatory Technical Evaluation Criteria

Analytical laboratory and online equipment			
	Mandatory Technical Criteria Description	**Reference to Technical Specification / Tender Returnable**	**Motivation for use of Criteria**
1.	Proof of authorisation from OEM that the contractor is authorised to supply, repairs, commission, service, and calibration of such equipment with signature and contact details	Valid letters from the following OEM's: Agilent Technologies, GE water and process technologies, Anton Paar SA, Thermo Scientific, Merck group, Waltron, Hanna instruments (PTY) LTD, Palin test LTD & LECO Africa (PYT) LTD the letter must contain confirmation of support from OEM to the company tendering if tendering company is not the OEM. The letter must also have the OEM's contact details and OEM directors' signatures.	To ensure steady supply and no interruption after contract placement, OEM to support
2.	Proof that the contractor is supplying all spares from OEM Not alternatives	Valid Letter of agreement stating that the OEM will support the contractor with the required services and spares	To ensure that all the spares received are not 3rd party Not alternatives
3	Competency of the service engineer who will be servicing the equipment.	Valid Training Competency certificate from each OEM	For quality assurance as Matimba laboratory is ISO/IEC 17025 accredited
Metrology equipment			
1	Calibration laboratory accreditation	Valid ISO/IEC 17025 accreditation certificate from SANAS for the company tendering	For quality assurance as Matimba laboratory is ISO/IEC 17025 accredited

2	Competency of the metrologist who will be calibrating the equipment	Valid metrology SANAS training Competency certificate	For quality assurance as Matimba laboratory is ISO/IEC 17025 accredited

1.10 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	**Has this tenderer provided a list of references (reachable/contactable) where services, supply, repairs and after sales calibrations were done with contact details, contract numbers and order numbers attached per reference in the last 5 years**			**40%**	
	1.1	At least 5 or more reference lists over a period of 5 years of similar type of work, including customer brief scope, contact details and Track Record of applicable parties.	5-6 Purchase orders or contract numbers and completion certificates (start date, end date, scope of work and value of the project to be provided over the period of 6 years.		5
	1.2	At least 4 reference lists over a period of 5 years of similar type of work, including customer brief scope, contact details and Track Record of applicable parties.	4 Purchase orders or contract numbers and completion certificates (start date, end date, scope of work and value of the project to be provided over the period of 5 years.		4
	1.3	2 to 3 reference lists over a period of 4 years of similar type of work, including customer brief scope, contact details and Track Record of applicable parties.	2-3 Purchase orders or contract numbers and completion certificates (start date, end date, scope of work and value of the project to be provided over the period of 4 years.		2

	1.4	No reference list or 1 reference list over a period of 1 year without track record of similar type of work	Nothing submitted or 1 Purchase order or contract number and completion certificate (start date, end date, scope of work and value of the project to be provided over the period of 1 years.		0
2.	**Technical Personnel Qualification and CV**		Contractor to provide CV and certification of training for each service technician/engineer to do the service on the mentioned instruments as per NEC3 TSC C3.1.	**30%**	
	1.1	CV and qualification of the service engineer with related work experience.	≥ 5 years		5
	1.2	CV and qualification of the service engineer with related work experience.	4 < 5 years		4
	1.3	CV and qualification of the service engineer with or without related work experience.	2 ≤ 3 years		2
	1.4	CV and qualification of the service engineer with or without related work experience	< 1 years		0
3.	Provide proposed delivery lead times offered for spares availability, service, and repairs.			**30%**	
	3.1	Analyser spares availability, service and repairs lead times less than 2 weeks			5
	3.2	Analyser spares availability, service, and repairs lead times less than 3-4 weeks			4
	3.3	Analyser Spares availability, service, and repairs lead time within 4-8 weeks			2

	3.4	Analyser Spares availability, service, and repairs lead time over 8 weeks			0
				TOTAL: 100	

1.11 TET MEMBER RESPONSIBILITIES

<In Table 4 identify the TET members allocated to review/evaluate each Qualitative criterion (minimum 2 evaluators per criteria / sub-criteria)>

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**	**TET 3**
1	x	x	x
2	x	x	x
3	x	x	x

1.13 +++++++++FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

1.13.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	Supplying at least more than 90% spares with warranty in case they become defective after being replaced in less than 2 weeks
2.	Late delivery of restricted due to spare unavailability or exported spares from overseas
3.	
4.	
5.	
6.	
7.	

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Supplying counterfeit or none OEM authorised spares
2.	Service to be done by service tech or engineer without experience
3.	
4.	
5.	
6.	
7.	

1.13.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Service technician or engineer with over 2 years exposure
1.	Spare lead times of less than or equal to 4 weeks
2.	
3.	
4.	
5.	
6.	

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	No support letter from OEM submitted
2.	No letter of warranty submitted
3.	
4.	
5.	
6.	
7.	

2. AUTHORISATION

<In the table below, list all TET members, project manager (if applicable).>

This document has been seen and accepted by:

Name	Designation	Signature
Vhuthihi Makhwanya	Snr supervisor tech Chemistry	
Maphuti Garrine	Chemical services manager	
Steven Mtileni	Snr Chemist chemistry	

3. REVISIONS

Date	Rev.	Compiler	Remarks
06 Nov. 24	1	V Makhwanya	Evaluation of the tender
03 Dec. 25	1.1	V Makhwanya	Procurement strategy comments

4. DEVELOPMENT TEAM

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

Steven Mtileni

Vhuthihi Makhwanya

Keikantse Pule

5. ACKNOWLEDGEMENTS

N/a