

Title: **Tender Technical Evaluation Strategy for Service and calibration of Mettler Toledo online analysers for a period of 5years**

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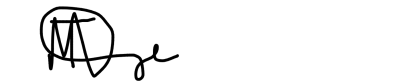
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## 1. INTRODUCTION

Matimba power station produces electricity using demineralised water, this is achieved by a water treatment plant that is controlled and optimised by online process analytical instruments or analysers. The removal of impurities by ion exchange resins from a conventional water treatment plant to cycle chemistry where water /steam is recycled and reused to produce demin water. Matimba power station has 6 units, each unit comprises of condensate polishing plant (CPP) where impurities are removed. Each unit has multiple chemistry process analyser monitoring different plants.

## 2. SUPPORTING CLAUSES

### 2.1 SCOPE

Contractor to service calibrate and repair or replace:

	Process Online analyser	Service Number	Plant	Service to be rendered	repairs
18	M800 inline Optical dissolved oxygen	3000017744  0739091	CPP plant and stator coolant plant	Calibration and verification  Calibration certificate and service report  Replacement of Opti caps	1x Sensor replacement or
24	2300Na online sodium analysers	3000044097  0179324  0151154	CPP, water plant and laboratory	Service of 2300Na service kit (pH ref and ISE electrode, 100ppm sodium solution, inline filters, breathers, and tubing)  Calibration and service report	2x replacement or repair faulty transmitter.  2x replacement air pumps and valves.
18	M800 Conductivity	3000026891	Stator coolant	Calibration and service report	1x electrode replacement.
18	M300 conductivity	3000026891	Stator coolant	Calibration and service report	electrode replacement x1  Replacement or repair of transmitters x2
6	M300 pH/ORP InPro 4620i	3000021173	Water treatment plant	Service and calibration (replacement of sensors)	

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				Service and calibration report	
1	SevenMulti bench pH/k25	3000026891	Laboratory	Service and calibration (replacement of sensors)  Service and calibration report	Sensor replacement
2	1 Seven Go Duo potable conductivity	3000026891	Laboratory	Service and calibration (replacement of sensors)  Service and calibration report	Sensor replacement Battery pack replacement

### 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 technical evaluation criteria is a:  
 Technical evaluation Team (chemistry)  
 Procurement & Cross functional team  
 Procurement tender committee

## 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] 240-48929482: Tender Technical Evaluation Procedure (Transmission and Distribution)
- [3] 240-76879530: Commercial procurement strategy

### 2.2.2 Informative

- [4] Demineralised Water Production Using Ion Exchange Resins Chemistry Standard 240-53113712

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## 2.3 DEFINITIONS

### 2.3.1 Classification

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

## 2.4 ABBREVIATIONS

Abbreviation	Meaning given to the abbreviation
CPP	Condensate polishing plant
WTP	Water treatment plant
pH	Acidity or alkalinity of a solution
K25	Specific conductivity/electrical at 25 degrees Celsius
PCB	Printed Circuit board
OEM	Original equipment manufacturer
MC	Main circuit
Na	Sodium
ORP	Oxidation Reduction Potential
SHE rep	Safety health and environment representative
HIRA	Hazard Identification Risk Assessment
OHS	Occupational Health and Safety
PPE	Personal Protective Equipment
SHE	Safety Health and Environment

## 2.5 ROLES AND RESPONSIBILITIES

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

## 2.6 PROCESS FOR MONITORING

N/A

## 2.7 RELATED/SUPPORTING DOCUMENTS

NEC3 Term service Contract of Supply delivery offloading and optimisation of water treatment plant at Matimba power station for 5 years

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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 80%.

#### 3.2 TET MEMBERS

**Table 1: TET Members**

<b>TET number</b>	<b>TET Member Name</b>	<b>Designation</b>
TET 1	Steven Mtileni	Snr Chemist Chemistry
TET 2	Vhuthihi Makhwanya	Contract manager
TET 3	Nkululeko Zwane	Technician Chemistry

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**3.3 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**

	<b>Mandatory Technical Criteria Description</b>	<b>Reference to Technical Specification / Tender Returnable</b>	<b>Motivation for use of Criteria</b>
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	<ul style="list-style-type: none"><li>Valid letter from the following OEM:<ul style="list-style-type: none"><li>Mettler Toledo</li></ul></li></ul> the letter must contain confirmation of support from OEM to the company tendering if non-OEM with OEMs contact details and OEM 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 and not refurbished, or 3rd party manufactured spares	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, but OEM approved to increase reliability of the instruments
3.	<ul style="list-style-type: none"><li>proof that the Contractor indicate that there is no exclusions or deviations to Section 3 of the NEC Works information.</li></ul>	<ul style="list-style-type: none"><li>Valid letter from contractor indicating if they are no exclusion and deviation to section 3 of the NEC works with signatures and there is no Unacceptable technical expectations, conditions, or technical risks as per technical evaluation documentation</li></ul>	To ensure that the contractor acknowledges that they will render services as per NEC requirements

**3.4 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.	<b>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</b>			<b>40%</b>	
	1.1	5 and more reference list over the last 5 years of similar type of work, including customer brief scope, contact details and Track Record of applicable parties.	Purchase order/s, contract number, completion certificate/s (start date, end date, scope of work and value of the project to be provided over the period of 5 years.		5
	1.2	4 reference list over the last 5 years of similar type of work, including customer brief scope, contact details and Track Record of applicable parties.	Purchase order/s, contract number, completion certificate/s (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 list over the last 5 years last 5 years of similar type of work, including customer brief scope, contact details and Track Record of applicable parties.	Purchase order/s, contract number, completion certificate/s (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	Purchase order/s, contract number, completion certificate/s (start date, end date, scope of work and value of the project to be provided over the period of 1year.		0
2.	<b>Technical Personnel Qualification and CV</b>		Contractor to provide CV and certification of training for each service technician/engineer to	<b>15%</b>	

		do the service on the mentioned instruments as per NEC3 TSC C3.1. for Mettler Toledo		
	1.1	CV of the service engineer person related work (Mettler Toledo equipment's) experience.	≥ 5 years	5
	1.2	CV of the service engineer person related work (Mettler Toledo equipment's) experience.	4 < 5 years	4
	1.3	CV of the service engineer person related work (Mettler Toledo equipment's) experience.	2 ≤ 3 years	2
	1.4	CV of the service engineer person related work (Mettler Toledo equipment's) experience.	< 1 years	0
<b>3.</b>	<b>Provide letter of warranty on all spare parts replacement from OEM.</b>			<b>25%</b>
	3.1	All spares to be supplied will have warranty and covered in case of defects after replacement and OEM original spares	letter of warranty with signatures and contact details of all instruments that require spares submitted	5
	3.2	Some spares (90% of the spares) to be supplied will have warranty and covered in case of defects after replacement OEM original spares	letter of warranty with signatures and contact details of all instruments that require spares submitted	4
	3.3	Some spares (80% of the spares) to be supplied will have warranty and covered in case of defects after replacement OEM original spares	letter of warranty with signatures and contact details of all instruments that require spares submitted	2
	3.4	No warranty offered or 3 <sup>rd</sup> party spares to be used for replacement	No letter submitted	0
<b>4.</b>	<b>Provide proposed delivery lead times offered for spares availability, service, and repairs.</b>			<b>20%</b>
	4.1	Analyser spares availability, service and repairs lead times less than 2 weeks		5

	4.2	Analyser spares availability, service, and repairs lead times less than 3-4 weeks			4
	4.3	Analyser Spares availability, service, and repairs lead time within 4-8 weeks			2
	4.4	Analyser Spares availability, service, and repairs lead time over 8 weeks			0
				TOTAL: 100	

**3.5 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**

<b>Mandatory Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>
1	X	x	
2	X	x	
<b>Qualitative Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>
1	X	x	x
2	X	x	x
3	X	x	x

**3.7 +++++++FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS****3.7.1 Risks****Table 5: Acceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
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**

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

**3.7.2 Exceptions / Conditions****Table 7: Acceptable Technical Exceptions / Conditions**

<b>Risk</b>	<b>Description</b>
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**

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

#### 4. 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	Contract Manager	
Maphuti Garrine	Chemical services manager	
Steven Mtileni	Snr Chemist chemistry	

#### 5. REVISIONS

Date	Rev.	Compiler	Remarks
06 Nov. 24	1	VU Makhwanya	Evaluation of the tender
09 April 2025	2	VU Makhwanya	Rectified comments from PTC

#### 6. DEVELOPMENT TEAM

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

Steven Mtileni

Vhuthihi Makhwanya

Keikantse Pule

#### 7. ACKNOWLEDGEMENTS

N/a

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