

Title: **Service and Calibration Netlog2  
20 x Recorders - Tender  
Technical Evaluation Criteria**

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## **1. INTRODUCTION**

Generation Division continues to do plant engineering modifications and maintenance refurbishment activities. It is therefore important to conduct performance test before and after the general overhaul of a unit at a particular power station. Research, Testing and Development (RT&D) continues to receive requests to conduct these tests from Generation and Group Capital Divisions.

In order to carry out the Station Thermal Efficiency Performance (STEP) tests, the recorders play a critical role for data gathering process, analysis and reporting about the performance of the station units.

## **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 Service and Calibration of the Netlog2 20 x Recorders of Research, Testing and Development in Rosherville.

#### **2.1.1 Purpose**

The purpose of this tender technical evaluation criteria is to provide the criteria to be used to conduct the technical evaluation.

#### **2.1.2 Applicability**

This document is applicable to the Station Thermal Efficiency Performance (STEP) project.

### **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] 32-1034: Eskom Procurement Policy

#### **2.2.2 Informative**

### **2.3 DEFINITIONS**

Thermal performance is defined as how well a power plant converts thermal energy to electrical energy. Thermal performance program entails not only the evaluation of plant efficiency but also the optimisation of electricity production through means such as limiting power reductions or scheduling maintenance at the most beneficial times. By performing an assessment of a plant's thermal performance program, weaknesses in the thermal performance program can be identified and corrective actions can be taken to improve the program's effectiveness in identifying avoidable losses and maximize plant efficiency.

## **CONTROLLED DISCLOSURE**

### 2.3.1 Classification

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

### 2.4 ABBREVIATIONS

Abbreviation	Description
STEP	Station Thermal Efficiency Performance
TET	Technical Evaluation Team

### 2.5 ROLES AND RESPONSIBILITIES

Compiler	The document compiler is responsible for ensuring that this document is up-to-date and that this document is not a duplication of an existing documentation, regarding the document's objectives and content.
Functional Responsibility	The Functional Responsible Person shall determine if the document is fit for purpose, before the document is submitted for authorisation.
Authoriser (Senior Manager)	The document authoriser is a duly delegated person with the responsibility to review the document for alignment to business strategy, policy, objectives and requirements. He/she shall authorise the release and application of the document.
Lead Discipline Engineers	Provide input to the technical tender evaluation strategy and associated engineering activities.

### 2.6 PROCESS FOR MONITORING

The primary process for monitoring will be governed by Eskom Design Review Process

### 2.7 RELATED/SUPPORTING DOCUMENTS

Technical specification

## 3. TENDER TECHNICAL EVALUATION REPORT

### 3.1 TECHNICAL EVALUATION THRESHOLD

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 or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

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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 **80%**.

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### 3.2 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.	Tenderer submits a letter of confirming the capability to service and calibrate the Netlog2 recorders as per the IEC 63206:2024 or any other relevant standard	Tender Returnable: Letter confirming issuing calibration certificates for each calibrated Netlog2 recorder.	Criteria confirm Netlog2 Recorder integrity and conformance to the Employers requirements.

### 3.3 QUALITATIVE TECHNICAL EVALUATION CRITERIA

	<b>Qualitative Technical Criteria Description</b>		<b>Reference to Technical Specification / Tender Returnable</b>	<b>Criteria Weighting (%)</b>	<b>Evaluation Criteria Sub Weighting Breakdown (%)</b>
1.				<b>20%</b>	
	1.1	Submit high level plan on how to service and repair (including replacement of batteries) the Netlog2 recorders.	Service and Repair plan	5%	Service and Repair plan (5%) No plan (0%)
	1.2	Calibration certificates for each Netlog2 recorder.	Commitment letter to make available calibration certificates.	10%	Submitted commitment letter (5%) No commitment letter (0%)
	1.3	The tenderer must have a track record of three completed projects as a minimum; for the service, repair and calibration of recorders/data loggers.	Referral letter or proof of previous work done	5%	Submitted ≥3 referral letters (5%) Submitted 2 referral letters (2.5%) Submitted 1 referral letter (1%) No referral letters (0%)

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	<b>Electrical</b>			<b>70%</b>	
	2.1	Service, repair, replace batteries, and calibrate Netlog2 recorders – maintain technical performance or improve after servicing.	Technical Specification	35%	Submission of technical spec (35%) No Submission of technical spec (0%)
	2.2	Communication should be possible with both RS232 serial port to RS232 serial port and RS232 serial port to USB port.	Technical Specification	25%	Submission of technical spec (25%) No Submission of technical spec (0%)
	2.3	Operating Software should be Windows 11 compatible.	Technical Software Specification	10%	Submission of technical spec (10%) No Submission of technical spec (0%)
	<b>General</b>			<b>10%</b>	
	3.1	Proposed work plan <ul style="list-style-type: none"> <li>Indicating intent to undertake full scope of work</li> <li>Indicate software capabilities in terms of open source/interoperability</li> <li>Conduct demonstration during delivery on how the serviced Netlog2 recorder operates and associated software</li> <li>The tenderer shall have relevant technical skills to complete the project</li> </ul>	Commitment letter  Demonstrate software inter-operability during delivery  Supply electrical drawings during the demonstration for logger and test software  Company skills profile including personnel for this task	5%	Evaluation: Submitted detailed work plan (5%) Submitted brief work plan (3%) Submitted no work plan (0%)
	3.2	Training and System Support <ul style="list-style-type: none"> <li>Describe the types of training that will be provided to demonstrate operations</li> <li>System support services available</li> </ul>	Training plan	5%	Full training and support plan (5%) No training and support plan (0%)
				<b>TOTAL: 100%</b>	

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#### 4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Obed Tshikume	Senior Technician	
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#### 5. REVISIONS

Date	Rev.	Compiler	Remarks

#### 6. DEVELOPMENT TEAM

All Technical Evaluation Team Members.

#### 7. ACKNOWLEDGEMENTS

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