

	Scope of Work	Generation Komati Power Station
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1. INTRODUCTION

The scope of work outlines the roles & responsibilities for the 5 year (60 months) Occupational Hygiene Equipment Calibration Services contract that will render services to Komati Power Station. The contract will include calibration of all the Komati Occupational Hygiene equipment, the maintenance and repairs when required and the replacement of equipment that cannot be repaired. The equipment will be sent out for calibration annually and will include repairs and maintenance as and when it is needed and when such equipment cannot be repaired, it will have to be replaced and calibrated. In addition, the purchase of a new sound level meter is required and the calibration thereof.

2. SUPPORTING CLAUSES

2.1 Scope

The Scope of Work (SOW) specifies the required services to be rendered by the Supplier for a period of 60 months and the conditions for the acceptance of such a contract. The scope herein does not substitute procurement procedures that will be followed in the procurement process. The scope of the contract focuses mainly on calibration of Occupational Hygiene monitoring equipment and the repair and maintenance thereof (when required) and the replacement of equipment that is faulty and cannot be repaired. In addition, the replacement and purchase of a new Sound Level Meter and the calibration thereof is required.

2.1.1 Purpose

The SOW gives detailed information on the expectations of both the Supplier and the Employer (Eskom) for the duration of the calibration, maintenance or repairs contract and the replacement of equipment.

2.1.2 Applicability

This document shall apply throughout Komati Power Station.

2.1.3 Effective date

This document shall be effective on the date of authorisation.

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] ISO 9001 Quality Management Systems
- [2] 240-168966153: Tender Technical Evaluation Procedure
- [3] 32-1034: Eskom Procurement Procedure

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[4] 32-727: Safety, Health, Environment and Quality (SHEQ) Policy

2.2.2 Informative

[1] NEC Term Services Contract

2.3 Definitions

Contractor: The Supplier who is awarded the contract and will deliver the services outlined in the document. May be used interchangeably with the Supplier.

Employer: Refers to Eskom, Komati Power Station

Supplier: Refer to the definition of Contractor and may be used interchangeably.

Quality Assurance: is the process of verifying or determining whether products or services meet or exceed customer expectations.

2.4 Abbreviations

Abbreviation	Explanation
ILAC	International Laboratory Accreditation Cooperation
NEC TSC	New Engineering Contract Term Services Contract
NMISA	National Metrology Institute of South Africa
SANAS	South African National Accreditation System
SANS	South African National Standard
TR	Technical Reference
SHEQ	Safety, Health, Environment and Quality
SOW	Scope of Work

2.5 Roles and Responsibilities

2.5.1 The contractor/supplier

Will provide the Occupational Hygiene Equipment Calibration Services as per the scope of work and adhere to all Eskom SHEQ guidelines and requirements, as well as the South African SHEQ laws and standards.

2.5.2 The contractor/supplier

Will inform the Supplier of the expected service requirements.

2.6 Process for Monitoring

N/A

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2.7 Related/Supporting Documents

NEC Term Services Contract

3. SCOPE OF WORK FOR THE KOMATI POWER STATION OCCUPATIONAL HYGIENE EQUIPMENT CALIBRATION CONTRACT

3.1 Overview

Eskom, Komati Power Station intends to enter a 5-year (60 month) NEC TSC with a suitably qualified, experienced and established SANAS accredited laboratory to provide occupational hygiene equipment calibration services to Komati Power Station.

This will include the provision of calibration services for all occupational hygiene instruments (including repairs and maintenance as and when needed), and the replacement of equipment that cannot be repaired for Komati Power Station. In addition, a sound level meter needs to be purchased.

The contractor shall honour the agreement with Eskom by adhering to the specified turnaround time as agreed with the contractor.

3.2 Provision of calibration services including repairs/maintenance

The instruments to be calibrated will be dropped off by Komati Power Station at the SANAS accredited laboratory for calibration or repairs/maintenance when required from time to time. The turnaround time for calibration and repairs should not be more than the time agreed on with the contractor. All Occupational Hygiene monitoring instruments should be calibrated at intervals stipulated by SANAS-accredited service providers and/or by instruction manual or the relevant service provider's advice for equipment of concern. Calibration certificates shall be provided for all calibrated equipment for further reference.

External calibration of instruments must be done by an accredited institution, such as a SANAS accreditation as per the requirements stipulated in TR 25, Criteria for Performing Calibration, and Intermediate Checks on Equipment Used in Accredited Facilities.

The TR 25 criteria stipulate that:

- Service providers should be SANAS accredited.
- Service providers should be accredited by full members of the ILAC.
- Certificates must be issued by NMISA or any other internationally accepted body.

Only where accredited institutions are not available for the relevant services, the Eskom AIA will ensure that reputable service providers are used that can prove that their services conform to the requirements of TR 25.

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The TR 25 criteria stipulate that non-accredited facilities must have:

- a documented calibration procedure or method.
- a calibration certificate or report, or some other suitable method of recording the calibration and measurement data.
- appropriate educational and training records to demonstrate the competence of the personnel performing the calibration or analysis.
- copies of certificates and reports to demonstrate traceability to the International System of Units (SI) or Reference Materials (RM).
- all reference standards and measuring instruments calibrated at appropriate intervals, and the facility must have and apply a procedure for establishing these calibration intervals.
- a procedure for the estimation of the measurement uncertainty, which must be applied for at least each type of calibration; the uncertainty of measurement must be considered when making a statement of compliance.

Table 1: The following are applicable equipment and calibration/service frequencies for all OH measuring/sampling equipment (except where otherwise stated by the said equipment/instrument manufacturer):

INSTRUMENT (NAME/ TYPE /BRAND/ MODEL)	SERIAL NUMBER/ UNIQUE IDENTIFICATION	NEXT CALIBRATION DATE	CALIBRATION FREQUENCY
Acoustic Calibrator	QIG110134	11 April 2025	Annually
Goldilux Autoranging Lightmeter	11123/1903	7 February 2025	Annually
Gilibrator Primary Flow calibrator	1210092;1210097-S	11 April 2025	Annually
Gilibrator Primary Flow calibrator	1210092;1707001-S	11 April 2025	Annually
3M Edge Dosimeter; Edge4	EHM120023&514207	June 2025	Annually
3M Edge Dosimeter; Edge4	EHM120023&514990	July 2025	Annually
Hot wire:TSI 9515	T95151012001	6 February 2025	Annually
Indoor Air Quality Meter: Model 7545	T75450805004	6 February 2025	Annually
3M Thermal Monitor: QT° 44	TQK020002-1	11 April 2025	Annually
3M Thermal Monitor: QT° 44	TQK020003-1	11 April 2025	Annually

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INSTRUMENT (NAME/ TYPE /BRAND/ MODEL)	SERIAL NUMBER/ UNIQUE IDENTIFICATION	NEXT CALIBRATION DATE	CALIBRATION FREQUENCY
Quest Thermal Monitor	TEG110006	11 April 2025	Annually
Quest Sound Level Meter	BKG120003,2960277	11 April 2025	Annually
Gilair Plus (five pumps)	20171020373	July 2025	Annually
	20171020372	July 2025	Annually
	20171020371	July 2025	Annually
	20171020370	July 2025	Annually
	20171020369	July 2025	Annually

Note: Measurement traceability can be provided only by a National Metrology Institute (NMI) or a calibration laboratory appropriately accredited to ISO/IEC 17025 as part of the ILAC Mutual Recognition Agreement. Calibration certificates from these sources will include statements of uncertainty. Equivalent calibration laboratories from other countries may also be used, provided that they have established an acceptable traceability of measurement chain. Such traceability of measurement is provided by NMI's participating in internationally recognised inter-institute comparisons and by laboratories accredited by bodies that are signatories to the ILAC multilateral agreement on calibration.

4. MANDATORY TECHNICAL EVALUATION CRITERIA AND SCORING RESULTS.

The criteria on item 1 below will be a Gate Keeper, and the bidders must pass to proceed to the technical evaluation phase. For this criterion, bidders are required to submit a valid SANAS 17025 certificate and scope of accreditation, and certificate of competence.

Item	Criteria (Gate Keeper)	Sub-factor
1.	The laboratory must be SANAS 17025 accredited, and a valid certificate and scope of accreditation must be provided. Competency certificate for the technician who will conduct calibration.	SANAS 17025 accredited

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4.1 Technical evaluation criteria and scoring results.

Item	Criteria	Weight	Sub-factor
1.	To provide at least 5 references where the company has provided the service of calibration and maintenance of Occupational Hygiene equipment. The service provider must provide copies of contracts, purchase orders, and/or service level agreement where the company has provided similar service. No reference letters will be accepted.	50	1-3 references =20
			4 references =30
			≥5 references =50
2.	The company to provide /submit calibration method statement / procedure: Method statement showing how calibration will be conducted and the appropriate methods and procedures used	50	Calibration method statement/procedure for <5 occupational hygiene equipment listed in the scope of work above =0
			Calibration method statement/procedure for 5-6 occupational hygiene equipment listed in the scope of work above =20
			Calibration method statement/procedure for 7-8 occupational hygiene equipment listed in the scope of work above =30
			Calibration method statement/procedure for 9 occupational hygiene equipment listed in the scope of work above =50
Overall Minimum Threshold is 70%			
Scores attained			

5. ACCEPTANCE

This document has been seen and accepted by:

Name	Designation
Daniel Mphuthi	OHS Manager
Jenny Prinsloo	Risk and Assurance Manager

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6. REVISIONS

Date	Rev.	Compiler	Remarks
October 2024	1	M.A Benayo	New Document

7. DEVELOPMENT TEAM

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

- Melanie Benayo

8. ACKNOWLEDGEMENTS

- N/A

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