

	Specification	Kusile Power Station
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Title: **Kusile Power Station Utility
Personnel for Chemical Services
Scope of Work**

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1. Introduction

This document specifies the user requirements for Hiring utility personnel for sampling and general labour at chemical services plants for a period of five years.

2. Supporting Clauses

2.1 Scope

The service is applicable to Chemical services Kusile Power Station for Hiring two utility personnel for a period of 5 years. The resources will be required to work on Kusile normal hours roster.

2.1.1 Purpose

The purpose of this document is to define the scope of work for the placement of a Term Service Contract between Kusile Power Station and professional technical contractor. The activity is aimed at providing manpower for sampling at different areas and general work at chemical service plants or area of responsibility.

2.1.2 Applicability

This Specification shall apply to Kusile Chemical Services Department.

2.1.3 Effective Date

The effective date of this document is same as authorisation date.

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 2018 Quality Management Systems
- [2] Act No 85 of 1993: Occupational Health and Safety Act & Regulations, 1993
- [3] 240-86457728: Kusile Power Station Water Sampling

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2.2.2 Informative

- [1] Safety health and environment Specification for Contractors – GVLIR0007
- [2] Eskom Generation Asset Management Policy - GGPP 0975 Rev 0
- [3] Eskom Generation Asset Management Directive - GGD 1447 Rev 0
- [4] Construction, Safety, Health, and Environment Management in Eskom - 32/136 Rev 0 –
- [5] Eskom Generation Plant Safety Regulations - GGR 0992 Rev 2
- [6] Eskom Operating Regulations for High Voltage Systems - ESKPVAEY6
- [7] Eskom Information Security Policy - 32-85 Rev 0
- [8] Eskom Vehicle and Driver Safety Management Procedure - 32-93 Rev 0
- [9] Smoking policy - 32-36 Rev 0
- [10] Lifting Machine procedure - 32-255 Rev 0

2.3 Definitions

- a) **Contractor:** Service provider contracted for supplying specific service to Eskom, Kusile Power Station.
- b) **Contractor's Employees:** Employees employed by the contractor to provide services.
- c) **Contractor's Specialist:** Expert in profession for the Water treatment plant Systems from the OEM side.
- d) **Employer:** Eskom, or Eskom Kusile Power Station.

2.4 Abbreviations

Abbreviation	Explanation
ADDD	Ash damp dirty damp
HRD	Holding Recycle Dams
FGD	Flue Gas desulphurisation plant
CSY	Coal Stockyard
LAR	Limited Access Register
SDD	Station Dirty dam
SHE	Safety Health and Environment
SANAS	South African National Accreditation System
SOW	Scope of Work
WWTP	Wastewater Treatment Plant
WTP	Water Treatment plant

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2.5 Roles and Responsibilities

2.5.1 Contract Manager

- a) Shall ensure that all actions listed in this scope of work are undertaken (follow up, advice, consultation).
- b) Liaise with all relevant stakeholders for any input.
- c) Contract Supervisor Shall implement this scope of work, perform random reviews and audits for adherence and provide assurance that any deviations will be corrected.

2.5.2 Contractor

- a) All contractor employees shall comply with Eskom's policies and site regulations, adherence to Eskom's Life Saving Rules, adherence to Generation Occurrence Management Procedure, Smoking Policy, zero tolerance on alcohol usage, etc. These requirements will be detailed during the induction training process.
- b) The contractor shall execute the works as per the SoW, related applicable laws and regulations and/or instructions from the employer.
- c) Ensure the employees are fluent in English, speaking and writing.

2.5.3 Buyer

- a) Perform all procurement processes outlined in this specification.
- b) Provide support, advice and communication with outside stakeholders where needed.
- c) Set up clarification meetings between Service provider and Employer.
- d) Ensure all necessary payments are affected timeously and keep record thereof.

2.6 Process for Monitoring

This document is part of the contract which will be reviewed or audited periodically to ensure compliance.

2.7 Related/Supporting Documents

N/A

3. Service Requirement

3.1 Duties of the utility personnel

- a) Daily collection of steam cycle samples at all the units.
- b) Daily collection of East and West auxiliary cooling water system samples.
- c) Daily FGD sampling at all the units and common plant.

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- d) Delivery of resin to the stator coolant system when required.
- e) Ad hoc, weekly, and monthly sampling of dams.
- f) Sampling of JoJo tanks as and when required.
- g) Transportation of samples to Rosherville as and when required.
- h) Transportation/collections of equipment's at Eskom site station or suppliers
- i) Loading of salt into the brine preparation tank as and when required.
- j) Resin loading into the vessels as and when required.
- k) External general cleaning of various instruments or chemical service plants when required.
- l) Forklift operation.
- m) Packing and proper stacking of equipment in all chemical services plant to maintain good housekeeping.
- n) Assist with minor instrument maintenance.
- o) Perform basic maintenance on utility systems as identified by employer.

3.2 General Contract requirement

- a) The contractor's employees will work 40 hours a week on the same working roster as the normal working hours of Kusile power station employees.
- b) The contractor is expected to follow all the labour laws of the country and any contravention of the law might lead to the cancellation of the order.
- c) The on-job training will be provided by the *employer*.
- d) The contractor will provide all the PPE required to do the Job (which include but not limited to acid resistance overalls, face shield, respirators, gloves, goggles, safety boots, hard hats, etc.).
- e) The contractor's employees will form part of Kusile Chemistry team and they will be required to attend all the departmental meetings.
- f) The contractor must provide a toolbox for the employees for job execution.
- g) The contractor to provide a road worthy vehicle for his employees.
- h) During the period the contractor will form part of Kusile Power Station Chemical Services team and will report to the Chemical Services Manager/Contract Manager.
- i) The contractor to provide onsite supervision its employees on predetermined basis to ensure compliance (weekly or monthly).
- j) The contractor must provide proof of forklift training and Crane operation for its employees.
- k) The contractor must ensure their employees are trained on Hazardous chemical handling, Confined space and working at heights or must attain this training and declared competent with three months of commencement of the contract.

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3.3 Contractor's Employees requirement

- a) The employee shall have a matric certificate with mathematics and science as the major subjects.
- b) The employee should be physically fit, and the medical certificate shall be available.
- c) Preference will be given to male employees due to the nature of the job.
- d) The contractor's employees must possess a valid driver's licence.

3.4 Performance Management and Reporting

Performance rating will be based on adherence to agree to individual performance contract that will be signed with each employee. The details of the stipulated performance criteria shall be agreed between the two parties prior to conclusion of the service agreement.

Some of the key operational reports that the Contractor need to provide include:

- a) Safety file.
- b) Safety and environmental incidents and near misses.
- c) Safety performance including detailed periodical statistics.

The level of detail and frequency of reporting will be mutually agreed by the Client and the Contractor. Prescribed reporting frequencies may change from time to time on request by the Client.

4. Acceptance

This document has been seen and accepted by:

5. Revisions

6. Development Team

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

- Evans Ramabina

7. Acknowledgements

None

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