

	SCOPE OF WORK	Grootvlei Power Station
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Supply and Delivery of water treatment plant chemicals at Grootvlei Power Station for a period of 60 months on an as and when required basis.

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CONTROLLED DISCLOSURE

1. INTRODUCTION

Grootvlei Power Station consists of 3 wet cooled units which produce 200MW each at full load, during the process of electricity generation, the station uses chemicals for water treatment plant activities. These chemicals are in different sizes and qualities. There is a need of a contract for these chemicals to avoid shortage and risking not performing critical tests at station.

2. SUPPORTING CLAUSES

2.1 SCOPE OF WORK

2.2 Purpose

The purpose of this document is to outline the requirements and specifications of the chemicals needed for operation of Grootvlei Power Station Water Treatment Plants.

2.3 Applicability

This document is applicable to all Grootvlei Power Station Chemistry personnel and all relevant contractor(s).

3. Normative/Informative References

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

3.1 Normative

None

3.2 Informative

None

4. Definitions

Definition	Description

4.1 Classification

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

CONTROLLED DISCLOSURE

4.2 Abbreviations

Abbreviations Abbreviation	Description
PS	Power Station
SDS	Safety Data Sheet
COA	Certificate of Analysis
WTP	Water Treatment Plant

5. Roles and Responsibilities

It is the responsibility of Chemical Services supervisor to ensure that the chemicals supplied are of the correct specification and quality.

6. Process for Monitoring

Provided Certificate of Analysis and Safety Data Sheet

7. Related/Supporting Documents

None

8. Document Content

8.1 Requirements

8.2 Adherence to Eskom generic policies

All Contractor employees shall comply with Eskom's policies and site regulations, including but not limited to, use of cell phones in restricted areas, adherence to Eskom's Life Saving rules, no smoking policy, zero tolerance on alcohol usage, etc. These requirements will be detailed during the induction training process.

The contractor shall comply with Eskom policies and regulation, including confidentiality agreement.

The contractor shall comply with NEC contract signed.

8.3 Quality

The Contractor provides a complete Quality Assurance plan in accordance with the requirements of ISO 9001 2008 to the Employer for approval. This plan must ensure an integrated quality service as part of the contract. Execution of all quality related activities, including inspection and test plans compilation and execution, stores material quality inspections and all quality-related record keeping is part of the Contractor's scope of work.

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9. Scope of work

The contractor is required to supply and deliver chemicals at Grootvlei PS

The contractor is required to supply the following chemicals:

Water Treatment Plant chemicals

Material Number	Description	Unit of Measure	Quantity
0555660	CHEMICAL: TYPE: SODIUM CARBONATE; FORM: DRY POWDER; CONTAINER CAPACITY: 50 KG; CONTAINER: BAG; TRADE NAME: SODA ASH; COMPOSITION: 99-100; SODIUM CARBONATE PCT; COLOR: WHITE; MSDS NUMBER: 53242; STORE IN A COOL; DRY; VENTILATED AREA; PROTECT AGAINST PHYSICAL DAMAGE	KG	100 000
0226255	CHEMICAL: TYPE: SALT; FORM: COARSE GRANULAR; CONTAINER CAPACITY: 50 KG; CONTAINER: BAG WOVEN PVC; COMPOSITION: NACL 99.7PC/NASO4 0.1PCT W/W MAXIMUM/CASO4 0.01PCT W/W MAXIMUM/MGCL 0.01PCT W/W MAXIMUM/INSOLUBLES 0.02 PCT; NO IODIDE AND SILICATE TO BE PRESENT IN THE SALT, MATERIAL SAFETY DATA SHEETS WITH ENVIRONMENTAL INFORMATION IN THE 16 POINT FORMAT TO BE PROVIDED WITH EVERY DELIVERY AS REQUIRED BY THE OCCUPATIONAL HEALTH AND SAFETY ACT	KG	250 000
0756596	CHEMICAL: TYPE: AMMONIUM SOLUTION 25%; FORM: LIQUID; CONTAINER CAPACITY: 1000 KG; CONTAINER: FLOW BIN; COLOR: COLORLESS; GRADE: AR	KG	100 000
0689693	SAND: TYPE: WASHED RIVERB FOR SANDFILTRATION; MATERIAL: GRADED SMALL STONES (SILICA); CONTAINER: BAG 25 KG; WASHED AND GRADED SILICA QUARTS SAND 0.9 MM, WITH A NORMAL DISTRIBUTION (ND) OF 0.6MM-1.2MM, 90 PERCENTILE, DEPENDING ON THE SUPPLIER, THIS IS ALSO CALLED 0.95 SAND OR 0.9MM SAND	KG	50 000
0695302	CHEMICAL: TYPE: HTH CHLORINE CHIPS; FORM: INDUSTRIAL CHIPS; CONTAINER CAPACITY: 25 L; CONTAINER: BUCKET PLASTIC; TRADE NAME: HTH CHIPS; COLOR: WHITE; GRADE: COMMERCIAL; SUPPLY AND DELIVER HTH CHLORINE CHIPS	KG	20 000

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Responsibilities of the contractor are as follows,

- The contractor shall be responsible for supplying quality bulk chemicals for WTP
- For quality control and traceability, the contractor shall supply a chemical together with their SDS and COA corresponding to the specific batch number of a chemical.
- The contractor shall ensure that the chemicals are tested and inspected before delivery.
- Packing - The chemical is to be contained in containers specified under point 9 above. Transport - Contractor will transport the chemicals from their factory to Grootvlei PS and the cost will be included.
- The Contractor to provide storage and preservation requirements for each chemical supplied at Grootvlei Power Station.

10. AUTHORISATION

This document has been seen and accepted by:

Name and surname	Designation
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

11. REVISIONS

Date	Revision	Compiler	Remarks
January 2026	01	[REDACTED]	New document

12. DEVELOPMENT TEAM

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

- [REDACTED]

13. ACKNOWLEDGEMENTS

Not applicable.

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