




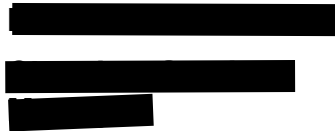


	SCOPE OF WORK	Grootvlei Power Station
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Supply and Delivery of Reverse osmosis plant chemicals at Grootvlei Power Station for a period of 60 months on an as and when required basis.

Document Identifier: **GVL/ 0885**
Alternative Reference Number: **N/A**
Area of Applicability: **Grootvlei Power Station**
Functional Area: **Chemical Services**
Revision: **1**
Total Pages: **7**
Next Review Date: **As Required**
Disclosure Classification: **Controlled Disclosure**

Compiled by	Supported by	Authorized by
		
		
Date: 05/05/2026	Date: 05/05/2026	Date: 05/05/2026

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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 reverse osmosis 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 Reverse Osmosis Plant.

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).

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4.2 Abbreviations

Abbreviations Abbreviation	Description
PS	Power Station
SDS	Safety Data Sheet
COA	Certificate of Analysis
RO	Reverse Osmosis

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:

Reverse osmosis plant chemicals

Material Number	Description	Unit of Measure	Quantity
0763724	CHEMICAL: TYPE: SODIUM HYPOCHLORITE; FORM: LIQUID; CONTAINER CAPACITY: 25 L; CONTAINER: DRUM; COMPOSITION: 12.5 SODIUM HYPOCHLORITE/1.5-2.5 SODIUM HYDROXIDE; CAS REGISTRY NUMBER: 768-52-9; EINECS NUMBER: 231-668-3; GRADE: COMMERCIAL; 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	30 000
0763668	CHEMICAL: TYPE: HYDROCHLORIC ACID 30-33; FORM: LIQUID; CONTAINER CAPACITY: 28 KG; CONTAINER: DRUM PLASTIC; IN CARBOY CONTAINERS, 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, MSDS TO BE SUPPLIED AS PART OF THE TENDER, NO SUBSTANCES AND/OR INGREDIENTS THAT FALL UNDER THE TABLE 1 CATEGORY OF THE HAZARDOUS SUBSTANCES WILL BE USED, ANY	KG	30 000
	FALLING UNDER TABLE 3 OF THE SAME REGULATIONS SHALL NOT BE USED WITHOUT THE PRIOR PERMISSION OF THE MEDICAL CENTRE AND SAFETY RISK, SHALL BE BIODEGRADABLE, AND OZONE FRIENDLY, A COPY OF THE MSDS SHALL BE SENT TO THE MEDICAL CENTRE AND SAFETY RISK		
0763723	CHEMICAL: TYPE: SODIUM METABISULPHITE; FORM: POWDER; CONTAINER CAPACITY: 25 KG; CONTAINER: BAG PLASTIC; 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	20 000
0763720	CHEMICAL: TYPE: HYPOCHLORITE SOLUTION; FORM: LIQUID; CONTAINER CAPACITY: 1000 KG; CONTAINER: BULK INTERMEDIATE; TRADE NAME: SODIUM HYPOCHLORITE; COMPOSITION: SODIUM HYPOCHLORITE 12.5 PCT; COLOR: YELLOWISH; CAS REGISTRY NUMBER: 7681-52-9; EINECS NUMBER: GHS16 POINT SDS AND LABELING; GRADE: SG 1.2; SPECIFICATION: ISO 9001-2008; SUPPL P/N: 8023; USED TO CONTROL MICRO ORGANISM IN WATER; MUST SUPPLY A GHS APPROVED SDS AND COPY OF GHS COMPLIANT LABEL; PACKING RELATED TO IBC MUST IN A KAYMAK DAUGHTER BIN TO ENSURE SAFE OFF-LOADING; SUPPLIERS ARE REQUIRED TO DELIVER AND OFF-LOAD CHEMILS IN ACCORDANCE TO THE TRANSPORT OF DANGEROUS GOODS ACT OF 1992	KG	50 000

CONTROLLED DISCLOSURE

0763722	CHEMICAL: TYPE: MEMBRANE CLEANER; FORM: LIQUID; CONTAINER CAPACITY: 25 KG; CONTAINER: CAN POLY; TRADE NAME: RO FLUSHING AND CLEANING AGENT HIGH PH-POST PRESERVATION; COMPOSITION: AN ALKALI CHELATING AGENT BLEND; COLOR: COLORLESS; CAS REGISTRY NUMBER: BLEND; EINECS NUMBER: GHS16 POINT SDS AND LABELING; GRADE: SG 1.2; SPECIFICATION: ISO 9001-2008; SUPPL P/N: 4708; PH12-13; MUST SUPPLY A GHS APPROVED SDS AND COPY OF GHS COMPLIANT LABEL; PACKING RELATED TO IBC MUST IN A KAYMAK DAUGHTER BIN TO ENSURE SAFE OFF-LOADING; SUPPLIERS ARE REQUIRED TO DELIVER AND OFF-LOAD CHEMILS IN ACCORDANCE TO THE TRANSPORT OF DANGEROUS GOODS ACT OF 1992	KG	30 000
0761329	CHEMICAL: TYPE: MEMBRANE SCALE INHIBITOR; FORM: LIQUID; CONTAINER CAPACITY: 25 L; CONTAINER: DRUM; TRADE NAME: HYPERSPERSE MS1310; EINECS NUMBER: ANTI SCALANT; SPECIFICATION: ANTI SCALENT FOR REVERSE OSMSOSIS MEMEBRANES	KG	50 000
0669621	INHIBITOR, CORROSION: TYPE: CHEMICAL; PHYSICAL FORM: LIQUID; CONTAINER TYPE: DRUM/FLOW BIN; CONTAINER CAPACITY: 1000 KG; COLOR: COLORLESS; SPECIAL FEATURES: ANTISCALENT; APPLICATION: SCALE REMOVAL; STANDARD: ISO 9001; SCALE CONTROL/INHIBITOR FOR ASH SYSTEM, ANTISCALENT TO BE DOSED CONTINUOUSLY TO PREVENT SCALE FORMATION ON ASH WATER PUMPS	KG	30 000

CONTROLLED DISCLOSURE

Responsibilities of the contractor are as follows,

- The contractor shall be responsible for supplying quality bulk chemicals for RO plant
- 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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