

	Procurement SOW	Generation
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	Scope of Work	Majuba Power Station
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1. Introduction

Majuba Power Station plans to purchase industrial sweeping equipment for the plant's cleaning needs. Power stations should employ proper industrial cleaning machinery and techniques that are suited to their specific needs. The use of these sweepers should be designed for the unique challenges of the power station, and it is therefore for this reason that station has decided to invest in proper industrial cleaning machinery to ensure that adhere to best housekeeping practices, safety and environmental compliance.

The outdated locking system on the doors of the operations support office can occasionally be breached, allowing anyone to enter. By controlling and limiting access, the biometric system's installation aims to ensure the safety and security of the assets stored in the offices, particularly after hours.

These assets are intended to improve the plant's cleaning and housekeeping turnaround, and a biometric system will grant restricted access to protect the assets.

2. Supporting Clauses

2.1 Scope

This document outlines the scope of work/description of the Ops support production assets, safety and Quality requirements.

The scope will entail the following assets which include:

- (i) 1000 bar HP Machine.
- (ii) DG75 Portable vacuum cleaner.
- (iii) S10 Walk behind Sweeper.
- (iv) DGLV1 Portable vacuum cleaner.
- (v) Biometric system for the Main entrances.

2.1.1 Purpose

The purpose of this document is to provide the Scope of work/Description for Ops Support Production assets.

2.1.2 Applicability

This document shall apply to the Majuba Power Station Production Assets for Ops support.

2.1.3 Effective date

Document is effective from the authorised date.

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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] 32-727: Eskom SHEQ POLICY
- [3] Act No 102 of 1980: National Key Points Act, 1980

2.2.2 Informative

- [4] Occupational Health and Safety Act 85 of 1993.

2.3 Definitions

Definition	Explanation
Asset	Something valuable that a company owns, could ne physical stuff like equipment.
End-user	Defined as the individual wo ultimately uses a product or service. They are the final consumers who interact with the product to accomplish specific tasks, and their needs to shape the design and functionality of the product.
Employer	Eskom Majuba Power Station
Supplier	(32-1034) means a natural or legal person who renders a service and may include the following current or potential supplier vendor, contractor or consultant.

2.3.1 Document:

N/A

2.4 Abbreviations

Abbreviation	Explanation
E.g.	Example
HP	High Pressure
ISO	International Organization for Standardization
N/A	Not Applicable
SOW	Scope of Work

2.5 Roles and Responsibilities

2.5.1 Supplier

The supplier will be responsible for:

- (i) That goods are supplied as per the description of each item.

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- (ii) No replacements or alternatives will be supplied.
- (iii) All items delivered, should be accompanied by relevant supporting technical documentations such as, but not to MSDS, warranty documentation and technical data book.
- (iv) To ensure that items delivered are in good condition and within spec.
- (v) To make sure they adhere to the lead time specified, failure to deliver on time will lead to the cancellation of the order.
- (vi) No additional lines will be accepted, E.g., Delivery costs.

2.5.2 End-User

The End-User will be responsible for:

- (i) Submit scope of work/description with technical specification to the supplier.
- (ii) Perform QC of all the equipment delivery and /or at the Employers premises.
- (iii) Ensuring that the goods are provided as per the SOW.

2.5.3 Delivery Requirements

- (i) The descriptions and the quantities of the equipment's are stipulated on the price list, once order is received it will indicate the quantities.
- (ii) The equipment's will be supplied to the goods receiving section of the Majuba power station store, where it will be received by the material management section.
- (iii) Only once the equipment has been accepted through QC by the End user and booked into the system: will payment be effected.
- (iv) The delivery and transport costs must be included in the quotation.
- (v) No incorrect, damaged, or faulty equipment will be accepted.
- (vi) Quality checks will be conducted by Eskom upon delivery of the equipment at Majuba Power station stores, within 72 working hours of delivery.

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2.6 Scope of Work/Description of Assets

2.6.1 1000 bar HP Machine X1.

- Supply and delivery of 1000 bar High Pressure Machine with the accessories.
- 1500w2000-P26 to deliver 65l/min@1000bar pressure. 135kW mounted on a double axel roadworthy trailer complete with starter panel, unloader valve, 1600bar gauge, safety valve, filter, engine and pump protection system, diesel tank, battery and fully enclosed.

2.6.2 DG75 AF Portable continuous duty vacuum cleaner X8

- Supply and delivery of DG75 AF continuous duty vacuum cleaner unit.
- Voltage 400 Volts or 50/60 HZ, Power 7.5KW, max vacuum rate 4000 mmH₂O, capacity 100L, filter type pocket polyester, Air flow 700 m³/hr, filter surface 50.000 cm² and weight of 180kg.
- All parts of the vacuum should be epoxy painted with vacuumed material inside a drop-down bin on wheels of (100 L capacity).

2.6.3 S10 Walk behind Sweeper X6.

- Supply and delivery of Industrial Strength Walk behind Sweeper of S10 type.
- 24v Battery operated walk behind sweeper. Cleaning path 860mm; hopper capacity 68kg.
- Dust filtration 4.6 m² panel filter captures dust down to 3 microns@99% efficiency. Mechanical filter shaker, automatically timed with circular hammer design and adjustable height with 3 settings.
- On board charge to easily plug in to charge anywhere.

2.6.4 DGLV1 Portable vacuum cleaner X2

- Supply and delivery of EMU DGLV1 110 type Portable vacuum
- Portable vacuum, Nomex filter, 20m HD polyurethane hose, cuffs, steel probe with air fluidification, rubber cone nozzle.
- Voltage: 460 V Power: 12.6 kW Max Water Lift: 2200 mm H₂O Max Airflow: 1250 m³/h Electrical protection: 55 IP Class Capacity: 160 L Dimensions: 170 X 74 X 200 Weight: 220 kg Noise Level: 75 dB Suction Inlet: 120 mm

2.6.5 Biometric system for the Main entrances X6.

- Supply and (fit and install) install the Biometric system on 6 Main doors at Majuba power Station, operating Support offices at 20 ML.
- Biometric Fingerprint access control terminal (2 in 1), PSU 3.2Amp dual power store, stable power battery 12VDC 7Ah SLA, elock maglock indoor 600lbs 272kg 12/24VDC.
- Each door should be able to allow access with cards (2 cards on each).

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3. Health and safety, the environment and quality assurance

- (i) The Supplier shall comply with the Power Stations 5 identified Life Saving rules when entering the Station and they are as follows:
 - **RULE 1:** OPEN, ISOLATE, TEST, EARTH, BOND, AND/OR INSULATE - BEFORE TOUCH (That is, any plant operating above 1 000 V).
 - **RULE 2:** HOOK UP AT HEIGHTS
 - **RULE 3:** BUCKLE UP
 - **RULE 4:** BE SOBER
 - **RULE 5:** ENSURE THAT YOU HAVE A PERMIT TO WORK

NOTE: Failure by any person or *Supplier* engaged in doing business with Eskom to adhere to these rules will lead to serious action being taken with serious consequences. These actions include termination of service of an individual and even blacklisting of *Supplier's* not taking the rules seriously.

- (ii) No vehicle will be allowed on the Power Stations premises without seatbelts.
- (iii) The End user's security department will perform a breathalyser test before allowing anyone access to site.

4. Quality Management

4.1.1.1 Quality Management System

- I. The *Contractor* Establish and implements a Quality Management System.
- II. The *Employer* specifies the Quality Management Code.
- III. *Contractor* ensures appropriate Quality requirements are placed on his Sub- contractors
- IV. Notifies the *Employer* of any proposed changes to the Quality Management System.
- V. The *Supplier* establishes and implements a system that, as a minimum, meets the requirements of the ISO 9001: 2015 certificate, or equivalent for quality Management Systems.

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5. Environmental management

5.1.1.1 Requirements

The *Contractor* will be required to ensure that SHEQ policy 37-727 and Majuba's Environmental Statement of intent-ENV/STMT/01 works are carried out. The following environmental requirements are always complied with:

- I. Zero liquid effluent discharge.
- II. No chemicals will be dumped into the station drains or on the premises.
- III. No oil or waste will be dumped in an unauthorised area or unlicensed waste site.
- IV. Asbestos will be handled and stored according to Act 15 of 1973 (hazardous substances Act).
- V. No materials or waste will be burnt on site. Hazardous substances shall be handled and stored according to the hazardous substances Act no 15 of 1973. No effluent shall be discharged into the public streams.
- VI. *Contractors'* activities/ services shall be carried out as per procedure: Majuba Environmental Requirements for Contractors and Suppliers work instruction-ENV/GEN/SPEC/01.
- VII. Construction Safety, Health, and Environmental Management Rev 0 32-136

5.1.1.2 Waste Disposal

All waste introduced to and/or produced on the *Employer's* premises by the *Contractor* for this contract, must be handled in accordance with Majuba's Waste Management Work Instruction ENV/GEN/WI/12.

5.1.1.3 Hazardous Substances

If product is classified as a hazardous substance, safety data sheets must accompany delivery. In accordance with the Occupational Health and Safety Act (OHSA), Act 85 of 1993 section 10 and 11. If any hazard is identified by the *Contractor*, he must immediately inform the Employer.

5.1.1.4 Scrap Metal

Scrap bins will be provided at set points. These are for scrap metal only and not for cement or any other form of debris. Scrap metal and rubber are stored in two different locations – please take note.

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6. Acceptance

This document has been seen and accepted by:

Note: Initials not acceptable

Full Name and Surname	Designation
Thambi Gazu	Line Manager Operating Support
Lucas Motloung	Operating Manager
Lumka Ntoyi	Senior Supervisor Ops Tech
Eugene Memela	Senior Advisor Quality

7. Revisions

Date	Rev.	Compiler	Remarks
February 2025	1	M Modipa	First Issue.

8. Development Team

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

- Mike Modipa-Senior Supervisor Ops Tech.
- Lumka Ntoyi- Senior Supervisor Ops Tech.

9. Acknowledgements (if applicable)

None

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