

	<b>Instruction</b>	<b>Engineering</b>
---	--------------------	--------------------

Title: **Scope of Work for the Supply and Delivery of Seal Air Fans Spares**

Unique Identifier:

Alternative Reference Number: **N/A**

Area of Applicability: **Engineering**

Documentation Type: **Scope of Work**

Revision: **0**

Total Pages: **8**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

---

---

## CONTENTS

	Page
1. INTRODUCTION.....	3
2. SUPPORTING CLAUSES.....	3
2.1 SCOPE .....	3
2.1.1 Purpose.....	3
2.1.2 Applicability .....	3
2.2 NORMATIVE/INFORMATIVE REFERENCES .....	3
2.2.1 Normative.....	3
2.2.2 Informative .....	3
2.3 DEFINITIONS .....	3
2.3.1 Classification .....	4
2.4 ABBREVIATIONS .....	4
2.5 ROLES AND RESPONSIBILITIES.....	4
2.6 PROCESS FOR MONITORING .....	4
2.7 RELATED/SUPPORTING DOCUMENTS .....	4
3. SCOPE OF WORK .....	5
3.1 WORKS .....	5
3.2 SPARES LIST .....	5
3.3 MATERIAL CERTIFICATES AND GUARANTEES .....	6
3.4 GENERAL REQUIREMENTS .....	7
3.4.1 Storage .....	7
3.4.2 Handling and Transportation .....	7
4. AUTHORISATION .....	8
5. REVISIONS.....	8
6. DEVELOPMENT TEAM .....	8
7. ACKNOWLEDGEMENTS.....	8

### CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

## **1. INTRODUCTION**

Hendrina Power Station Materials Management department is going out on open tender for a contract to supply and deliver seal air fans spares. The contract between the station and the successful supplier will be valid for the next 5 years.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

The scope of this document defines the contract works to be executed by the successful supplier which entails and is not limited to supplying and delivering seal air fans spares for Hendrina Power Station.

#### **2.1.1 Purpose**

The purpose of this document is to define the scope of work in line with the service information on the relevant NEC contract.

#### **2.1.2 Applicability**

This document is applicable to Hendrina Power Station.

### **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] 240-48929482: Tender Technical Evaluation Procedure
- [2] 240-168966153: Generation Tender Technical Evaluation Procedure
- [3] 32-1034 Eskom Procurement and Supply Chain Management Procedure
- [4] QM-58 Supplier Contract Quality Requirements Specifications
- [5] 240-105691858: Materials Management Safe Work Procedures Transportation Requirements for Material Handling

#### **2.2.2 Informative**

- [6] ISO 9001 Quality Management Systems

### **2.3 DEFINITIONS**

<b>Term</b>	<b>Definition</b>
Contractor	Service provider contracted for supplying a specific service to Eskom Hendrina Power Station. Used interchangeably with the term Supplier

### **CONTROLLED DISCLOSURE**

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

Employer	The organization, Eskom PTY Ltd Hendrina Power Station, to which the supplier will be contracted for this tender and contracts that may result therefrom
Employer's Premises	Hendrina Power Station
Industrial Storage Facility	Physical space suitable for the storage of the items specified in the scope of work
Returnable	Document submitted by tenderer for evaluation in support of tender bid
Spares	Parts that can be used for replacement, including the whole valve as a unit.

### 2.3.1 Classification

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

### 2.4 ABBREVIATIONS

Abbreviation	Description
RF	Refurbishable
SA	Seal Air

### 2.5 ROLES AND RESPONSIBILITIES

N/A

### 2.6 PROCESS FOR MONITORING

N/A

### 2.7 RELATED/SUPPORTING DOCUMENTS

None

### **CONTROLLED DISCLOSURE**

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

### 3. SCOPE OF WORK

#### 3.1 WORKS

The contractor's scope of work includes the following:

- Supply of all required Seal Air Fans Spares
- Delivery of all required spares to the Employer's Premises
- Produce all necessary quality documentation i.e., Material Certificate, Performance Test Certificate, etc.

#### 3.2 SPARES LIST

A list of the spares to be supplied and delivered by the contractor is shown on table 1 below.

**Table 1. Spares List**

Short Description	SAP Material Number	Long Description
New SA runner without shaft 1-5 8-10 – impeller only	183424	IMPELLER, FAN: TYPE: AIR; DRAWING NO: A1-353-003708 REV 1; FOR 1-5 AND 8-10 SEAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
New SA runner without shaft 6-7 – impeller only	183403	IMPELLER, FAN: TYPE: AIR; DRAWING NO: 30/B 48966 REV 1; REFERENCE NO: HD105H; FOR BOILER 6 AND 7; SEAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).
New SA shaft 6-7 (Axle box c/w shaft & seal shaft 55 Ø 60 Ø)	183555	UNIT: TYPE: AXLE BOX; DRAWING NO: 26/D48965 REV 1; COMPLETE WITH SHAFT AND SEAL SHAFT, FOR 6AND7 SEAL AIR FANS; DIMENSIONS: 55 X 60 MM
New SA shaft 1-5 8-10 (Axle box c/w shaft & seal c/w V ring seal)	183406	UNIT: TYPE: AXLE BOX; DRAWING NO: A0.810.003642 REV 1; C/W SHAFT AND SEAL, SEAL C/W V-RING SEAL

#### **CONTROLLED DISCLOSURE**

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

Multi disk coupling	764124	Appendix ACOUPLING: TYPE: MULTI-DISK; SIZE: 55 MM; MATERIAL: STAINLESS STEEL; CONNECTION 1: SHAFTED; CONNECTION 2: SHAFTED; OEM P/N: HNB1-5.8-10SA11; DRAWING NO: A4.079.003628; COUPLING MULTI DISKS C/W BOLT ASSEMBLY (BLR1-5&8-10)
Spacer coupling	184190	COUPLING: TYPE: TURBOFLEX; SIZE: ID 54 X LG 215 MM; MATERIAL: STEEL; DRAWING NO: HOWDEN A4.079003628 REV 1; A4.079003628 REV 1; TURBOFLEX GCS 125.4; USED ON BOILERS 1-5 AND 8-10 SEAL AIR FANS
Grease lubricators	184208	LUBRICATOR: DRAWING NO: HOWDEN LAGD 125/WA2 REV 1; BLR 1-5 AND 8-10 SEAL AIR FANS; CHEMECALs TO BE SUPPLIED WITH MSDS AND SECTION 12 (ECOLOGICAL INFORMATION OF THE MSDS TO BE COMPLETED IN DETAIL) WITH EVERY DELIVERY; THE FOLLOWING IS REQUIRED WITH EVERY DELIVERY; SHELF LIFE; DATE OF MANUFACTURE AND METHOD OF STORAGE
Complete 6-7 coupling with spring (Coupling 155x161 Falk)	184204	COUPLING: TYPE: AIR SEAL FAN; CONNECTION 1 SIZE: 161 MM; CONNECTION 2 SIZE: 155 MM; DRAWING NO: A4.294.004200 REV 1; HOWDEN A4.294.004200 REV 1; REFERENCE NO: BLR 6-7
Boiler 1-5 SA FAN FILTERS	183404	FILTER, ELEMENT: DIMENSIONS: SQ 600 X LG 50 MM; FOR 1-5 AND 8-10 SEAL AIR FANS
Boiler 6-10 SA FAN FILTERS	172902	FILTER, ELEMENT: TYPE: AIR; DIMENSIONS: SQ 500 X THK 50 MM; MATERIAL: FIBER SYNTHETIC; FILTERING RETENTION: 2 UM; SUPPL P/N: 01-100-060; BONA BRAND ONLY; GALVANIZED FRAME WITH EXPANDED METAL SCREEN WITH BAGS, TO BE DUSTPROOF PACKED

### 3.3 MATERIAL CERTIFICATES AND GUARANTEES

The following documentation must be supplied to the *Employer's* representative before any item is accepted on site:

- Material Certificates for all parts.

#### CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

- Applicable guarantee/warranty, where applicable.
- Complete manufacturing data book.
- Test reports, where applicable.

### **3.4 GENERAL REQUIREMENTS**

Other Seal Air Fans related spares not listed in the spares list can and will be required on an as and when basis subject to approval by both the employer and the *contractor*.

#### **3.4.1 Storage**

N/A

#### **3.4.2 Handling and Transportation**

The *contractor* is expected to practice safe handling techniques during the onloading, offloading, and throughout the transportation of the spare listed in section 3.2. The *Employer's* representative will not accept responsibility for any damaged items upon delivery.

Should the delivered spares be found to be defective or non-functional during or after delivery, the contractor remains responsible for the handling and transportation during the replacement process of the item(s).

### **CONTROLLED DISCLOSURE**

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

#### **4. AUTHORISATION**

This document has been seen and accepted by:

#### **5. REVISIONS**

#### **6. DEVELOPMENT TEAM**

#### **7. ACKNOWLEDGEMENTS**

#### **CONTROLLED DISCLOSURE**

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.