

	<b>Specification</b>	<b>Kusile Power Station</b>
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Title: **Supply & Delivery of  
PJFFP Spares**

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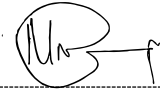
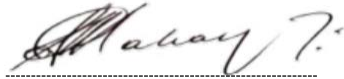
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## Content

### Page

1. Introduction.....	3
2. Supporting Clauses .....	3
2.1 Scope.....	3
2.1.1 Purpose.....	3
2.1.2 Applicability .....	3
2.1.3 Effective date.....	3
2.2 Normative/Informative References .....	3
2.2.1 Normative.....	3
2.2.2 Informative.....	4
2.3 Definitions .....	4
2.3.1 Document:.....	4
2.4 Abbreviations .....	4
2.5 Roles and Responsibilities .....	5
2.5.1 Employer .....	5
2.5.2 Contractor .....	5
2.6 Process for Monitoring.....	5
2.7 Related/Supporting Documents.....	5
3. Document Content.....	5
3.1 Supply & Delivery of Major Instrumentation Control Spares.....	5
5. Acceptance.....	7
6. Revisions.....	7
7. Development Team .....	7
8. Acknowledgements .....	7
Appendix A – Eskom Document Hierarchy.....	8

## Figures

## Tables

Table 1: Supply & Delivery of Major Instrumentation Control Spares .....	6
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## 1. Introduction

Kusile Power Station Outage Management intends to establish a partnership with a suitably qualified, experienced and well-established *Contractor* for the Supply & Delivery of Major PJFFP Spares for unit one PJFFP system. This document describes the details of the requirements, standards, scope of work and the terms and conditions of the maintenance partnership.

## 2. Supporting Clauses

### 2.1 Scope

The scope of work (SOW) specifies the required spares to be supplied by the Supplier on an as and when required basis and conditions for acceptance. The scope included here does not substitute procurement procedures that will be followed during the procurement process.

#### 2.1.1 Purpose

The purpose of this document is to provide scope of work and technical information for the purchase of Supply & Delivery of PJFFP spares which Kusile Power Station is procuring, are correct. The major instrumentation control spares are: Rope seals, Pulse pilot valve membrane, Pulse tank membranes, Donaldson Ultrafilter DF0035-DF1100 B filter Element, Hopper slide gate, Limit switch hopper doors and Fluorescent powder.

#### 2.1.2 Applicability

This document is applicable to Kusile Power Station Generation.

#### 2.1.3 Effective date

This document is effective from the date of authorisation (last signature) until its succeeding document has been authorised.

## 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

Latest revisions of the following documents applies:

- [1] ISO 9001 Quality Management Systems
- [2] 36-681 Generation Plant Safety Regulations
- [3] 32-727 SHEQ Policy
- [4] 240-83797737 In- Service monitoring of Lubricating oils and Hydraulic fluids
- [5] 240-84513751: Material Specification and Certification Guideline for Power Generation Plant

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- [6] 240-86546783: Procurement Standard for Material Certification Requirements Applicable to Metallic Products Used on Low and Medium Pressure Applications
- [7] 240-54820279: Receive Materials
- [8] BS EN 10204 (2004) - Metallic products -Types of Inspection Documents
- [9] 240-106024999\_Kusile Power Station Feedwater and HP Heating Maintenance Spares Strategy

### 2.2.2 Informative

N/A

### 2.3 Definitions

Abbreviation	Explanation
Contractor	Service provider contracted to provide a specific spares & documentation to Kusile Power Station. Referred to as the Supplier on this document.
Employer	Kusile Power Station

#### 2.3.1 Document:

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

### 2.4 Abbreviations

Abbreviation	Description
ISO	International Organisation for Standardisation
KPI	Key Performance Indicator
OEM	Original Equipment Manufacturer
OHS	Occupational Health & Safety
PSR	Plant Safety Regulations
SHEQ	Safety, Health, Environmental & Quality
SOW	Scope Of Work

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## 2.5 Roles and Responsibilities

All parties concerned in this SOW “shall act as stated in this contract and in a spirit of mutual trust and cooperation”

### 2.5.1 Employer

- a) The *Employer* shall identify required spares for the plant
- b) The *Employer* shall compile spares specifications and load Data Capture Forms.
- c) Compiles and submit scope of work with technical specifications.
- d) The *Employer* shall performs Quality Control of all spares on delivery at the *Employer* premises.
- e) Initiate the repairs process all the time an actuator requires repairs.
- f) Ensure repaired actuators are classified clearly

### 2.5.2 Contractor

- a) The *Contractor* shall deliver as per specified information from the *Employer*.
- b) The *Contractor* shall advise if further information is required
- c) The *Contractor* shall honour the delivery dates committed on.
- d) Communicate extended lead times where necessary/required.
- e) Always deliver in the Kusile Power Station Stores and obtain a signed delivery note.

## 2.6 Process for Monitoring

This document will be a once-off document to state the scope of work to Supply & Delivery of PJFFP Spares from Original Equipment Manufacturer (OEM) Spares contract.

## 2.7 Related/Supporting Documents

N/A

## 3. Document Content

To Supply & Delivery of Major Instrumentation Control Spares from Original Equipment Manufacturer (OEM) Spares Scope of Work.

### 3.1 Supply & Delivery of PJFFP Spares

All spares and accessories delivered must be complete PJFFP spares, ready for installation. PJFFP spares must meet the specifications of Kusile Power Station. All deliveries must only occur after the receipt of an official order. All spares must be Quality Checked by an approved QC nominee from the End-User list of spares inspectors. No spare or accessory shall be accepted without prior inspection and specification verification. All costs prior to delivery associated with complete spare shall be handled by the supplier concerned.

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#### 4. Description of the works

The works is to Supply & Delivery of PJFF Spares from Original Equipment Manufacturer (OEM). The spares are listed in Table 1.

**Table 1: Supply & Delivery of Major Instrumentation Control Spares**

Spare Description	Detailed Spare Description & Specification	Quantity	SAP Material No.
Rope seals	SENSOR TEMP:600 DEG C	70	0644660
Pulse pilot valve membrane	SENSOR TEMP:0-100 DEG C;MEASURING INSECT	850	669270
Pulse tank membranes	SENSOR TEMP:546 DEG C;OPTICAL;IP20	2500	579224
Donaldson Ultrafilter DF0035-DF1100 B filter Element	SENSOR TEMP:600 DEG C;IP20;4-20 MA	2	666873
Hopper slide gate	SENSOR TEMP:380 DEG C;IP20;4-20 MA	8	664950
Limit switch hopper doors	SENSOR TEMP:OTSC310-15M1/0;480 DEG C	25	0634154
Fluorescent powder	SENSOR TEMP:P-10886;610 DEG C;IP20	400kg	157320
Raw Gas Cylinder	ACTUATOR PNEUM:DIA 200 MM;8 BAR; 120 PSI	14	0642599
Clean Gas Cylinder	ACTUATOR PNEUM:DIA 330 MM;7 BAR;900 MM	14	0669829
O RING	INSIDE DIAMETER: 75 MM; WIDTH: 6 MM; MATERIAL: SILICON; COLOR: RED	1500	579202
Actuator Service Kit	HDD11-47 AA243/244-Actuator	50	693913
Actuator Service Kit	HDD11-47 AA241/242-Actuator Service Kit	50	750525
REGULATOR, PRESSURE: TYPE: VALVE	INLET PRESSURE: 8.5 BAR; OUTLET PRESSURE: 0-60 PSI; CONNECTION: THD 2 IN; BODY MATERIAL: ALU; SUPPL P/N: R18-C05-RNLG	2	696233
REGULATOR, PRESSURE	TYPE: PNEUMATIC; INLET PRESSURE: 12 BAR; OUTLET	2	707662

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Spare Description	Detailed Spare Description & Specification	Quantity	SAP Material No.
	PRESSURE: 10 BAR; CONNECTION: G2 IN; BODY MATERIAL: PVC; SUPPL P/N: P4CG9101C002		
Filter Element	CARTRIDGE: TYPE: ULTRA FILTER ELEMENT; MATERIAL: STL; SUPPL P/N: DF-B-1100-M-S	2	666873

## 5. Acceptance

This document has been seen and accepted by:

Name	Designation

## 6. Revisions

Date	Rev.	Compiler	Remarks
May 2026	01	I Netshiozwi	First Issue

## 7. Development Team

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

## 8. Acknowledgements

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## **Appendix A – Eskom Document Hierarchy**

### **A.1 Document Hierarchy**

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