

	<p align="center"><b>Works Information</b></p>	<p align="center"><b>Kendal Power Station</b></p>
---	--	---

Title: **Works Information for Unit 1-  
Kendal Supply-and-Delivery of  
SHFPF RUL Project Slip-spacers**

Document Identifier: \*

Alternative Reference  
Number:

Area of Applicability: **Engineering**

Document Type: **Report**

Revision: **00**

Total Pages: **9**

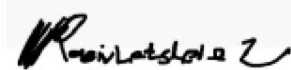
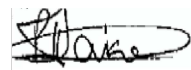
Next Review Date: **N/A**

Disclosure  
Classification: **Controlled Disclosure**

**Compiled by**

**Functional Responsibility**

**Authorised by**

**F. Tshikalange (Pr.Eng)  
System Engineer**

**T. Rasivhetshela (Pr.Eng)  
Boiler Engineering  
Manager**

**P. Takane (Pr.Eng)  
Engineering Manager**

Date: 2025/07/23

Date: 23/07/2025

Date: 13.08.2025

## Content

	Page
1. Introduction.....	4
1.1 Scope.....	4
1.1.1 Purpose.....	4
1.1.2 Applicability .....	4
1.1.3 Effective date.....	4
1.2 Normative/Informative References .....	4
1.2.1 Normative.....	4
1.2.2 Informative.....	4
1.3 Definitions .....	5
1.4 Abbreviations .....	5
1.5 Roles and Responsibilities .....	5
1.6 Process for Monitoring.....	5
1.7 Related/Supporting Documents.....	5
2. Employer’s Scope.....	5
3. The <i>Contractor’s</i> Scope .....	6
3.1 General Requirements for the <i>Works</i> .....	6
3.2 Detailed Scope of Work.....	6
3.2.1 General .....	6
3.2.2 Corrosion Protection.....	6
3.2.3 Codes and Standards.....	6
3.2.4 Drawings .....	7
3.2.5 Documentation Requirements .....	7
3.3 Decommissioning and Removal of Existing Equipment .....	7
3.4 Scaffolding .....	7
3.5 Tender Returnable .....	7
4. Completion, testing, commissioning and correction of Defects .....	7
4.1.1 Installation .....	7
4.1.2 Commissioning & Performance testing.....	7
4.1.3 Operational maintenance after Completion.....	7
5. Plant Outages.....	7
6. Quality Management .....	8
6.1 Contract Quality Management Plan Requirements.....	8
7. Health and Safety Management .....	8
7.1 General .....	8
7.2 SHE Documentation required from the contractor .....	8
8. Environmental management.....	8
9. Authorisation .....	9
10. Revisions.....	9

### **CONTROLLED DISCLOSURE**

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

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

11. Development Team ..... 9

**CONTROLLED DISCLOSURE**

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

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

## **1. Introduction**

The Remaining Useful Life analysis on the SHFPF tubes indicated that these tubes must be replaced to prevent unplanned failure over the course of Kendal's life. Failures in this area of the furnace are normally associated with severe consequential damage and since access is difficult, repair times are normally protracted; this will result in a high unavailability of the boiler plant. Slip-spacers are needed to carry out critical preventative maintenance (SHFPF RUL tube replacement) on this system during the upcoming U1 GO.

### **1.1 Scope**

This document covers the works information for the purchase, supply, off-loading of SHFPF RUL project slip-spacers for Kendal Power Station.

#### **1.1.1 Purpose**

The purpose of this document is to provide the scope of *works* for the procurement, fabrication, supply, delivery to site, off-loading, of SHFPF RUL project slip-spacers to Kendal Power Station.

#### **1.1.2 Applicability**

This document shall apply throughout Kendal Power Station.

#### **1.1.3 Effective date**

This document is effective from the date of authorization.

## **1.2 Normative/Informative References**

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

### **1.2.1 Normative**

[1] ISO 9001 Quality Management Systems

### **1.2.2 Informative**

- [1] ISO 14001:2004 - Environmental Management Systems
- [2] ISO 900:2008 - Quality Management Systems – Fundamentals and Vocabulary
- [3] 32-95 - procedure manual for Perform occupation Health and Safety
- [4] NEC3 - National engineering Contract
- [5] \*1017401 - Integrated Risk Management Procedure
- [6] 474-10206 - Strategic Boiler Tubes Order Specification

### **CONTROLLED DISCLOSURE**

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

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

### 1.3 Definitions

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

### 1.4 Abbreviations

Abbreviation	Description
ASME	American Society of Mechanical Engineers
GO	General Outage
ISO	International Organization for Standardization
LDE	Lead Discipline Engineer
NCR	Non Conformance Report
OEM	Original Equipment Manufacturer
PEIC	Production Engineering Integration Coal
PAH	Primary Air Heater
PQR	Pre-Qualification Record
PF	Pulverise Fuel
PS	Power station
RT&D	Research testing and development
SAT	Site acceptance test

### 1.5 Roles and Responsibilities

The *Contractor* is responsible for the entire *works* as prescribed in this Works Information.

The *Employer* is responsible to provide the design requirements as well as the scope of the *works*.

### 1.6 Process for Monitoring

N/A

### 1.7 Related/Supporting Documents

N/A

## 2. Employer's Scope

- (1) Procures, supplies, delivers, and off-loads the SHFPF RUL slips-spacers for U1 at Kendal.

#### **CONTROLLED DISCLOSURE**

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

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

### **3. The Contractor's Scope**

#### **3.1 General Requirements for the Works**

- 1) The *Contractor* procures, supplies, delivers, and off-loads the SHFPF RUL project slip-spacers for U1 at Kendal Power Station.

#### **3.2 Detailed Scope of Work**

##### **3.2.1 General**

**Table 1: SHFPF RUL slip-spacer Specifications**

<b>Auxiliary Type</b>	<b>Material</b>	<b>Quantity</b>	<b>Stock Number</b>
SHFPF Twister Slipspacer	ASTM A743 CF8 CAST STAINLESS STEEL	3500	599369
Outer Slipspacer	ASTM A743 CF8 CAST STAINLESS STEEL	7000	558746

##### **3.2.2 Corrosion Protection**

The slip-spacers shall be protected against weather elements, refer to Protective coating standard.

##### **3.2.3 Codes and Standards**

The design codes and standards which need to be adhered to are given below.

##### **Governing**

- (1) OHS Act - Operational Health and Safety Act No.85 of 1993
- (2) 240-51544462 - Integrated Demand Management Supplier Contract Quality Requirements Specification

##### **Corrosion protection**

- (3) 36-681 Eskom Protective Coating Standard

##### **Configuration management:**

- (4) 240-76992014 - Project/Plant specific technical documents and records management work instruction

#### **CONTROLLED DISCLOSURE**

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

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

**Mechanical:**

(1) **Piping/Flanges**

N/A.

**3.2.4 Drawings**

Drawings will be supplied by Eskom.

**3.2.5 Documentation Requirements**

All documents supplied by the *Contractor* shall be of good quality and shall be subject to the *Employer's* approval.

The following documentation to be supplied for each type of slip-spacer:

(1) Material identification specification (EN 10204 3.1/3.2).

**3.3 Decommissioning and Removal of Existing Equipment**

N/A

**3.4 Scaffolding**

N/A

**3.5 Tender Returnable**

See Technical Evaluation strategy.

**4. Completion, testing, commissioning and correction of Defects**

**4.1.1 Installation**

N/A

**4.1.2 Commissioning & Performance testing**

N/A

**4.1.3 Operational maintenance after Completion**

N/A

**5. Plant Outages**

This project will be executed during U1 GO in 2026.

**CONTROLLED DISCLOSURE**

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

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

## **6. Quality Management**

### **6.1 Contract Quality Management Plan Requirements**

The Contractor shall comply with the ISO 9001:2008 Quality Management System and Employer's Quality Requirements of as specified in Eskom QM58 document: 240-51544462

## **7. Health and Safety Management**

### **7.1 General**

The Contractor shall comply with the following:

- Eskom Safety Health procedure.
- Adhere to the OHS Act 85 of 1993.
- Contractor must obtain a safety clearance and adhere to Plant Safety Regulation used at Kendal Power Station before carrying out any work.

### **7.2 SHE Documentation required from the contractor**

The Contractor complies with the following:

- Construction regulation Requirement –Safety File Approval
- Safety File Approval Form

## **8. Environmental management**

Contractors must comply with the following

- Environmental Management System(ISO 14001, 2004)
- National Environmental Management Act ( Act 107 of 1998)
- Eskom SHEQ policy (32-727)
- Kendal Environmental Aspect and Impact Identification, Rating and Management Procedure (\*1015586)
- Kendal Environmental Communication Procedure(\*1015692)
- Kendal Emergency Preparedness Plan (\*1015702)
- Kendal Non-conformance, Corrective and Preventive Actions Procedure (\*1017357)
- Kendal Waste Management procedure (\*1024102)
- Hazardous substance procedure (\*1018300)
- Eskom Flash report

### **CONTROLLED DISCLOSURE**

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

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

- SHEQ File Index (\*1027127)
- Site Inspection Checklist (\*1027246)

## 9. Authorisation

This document has been seen and accepted by:

<b>Name</b>	<b>Designation</b>
Tendani Rasivhetshele (Pr. Eng)	Boiler Engineering Manager
Phindile Takane (Pr. Eng)	Engineering Manager

## 10. Revisions

<b>Date</b>	<b>Rev.</b>	<b>Compiler</b>	<b>Remarks</b>
July 2025	00	F. Tshikalange	First draft

## 11. Development Team

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

- Funzeani Tshikalange

### **CONTROLLED DISCLOSURE**

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

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.