	Works Information	Kendal Power Station
---	--------------------------	-----------------------------

Title: **Kendal Power Station Submerged Scraper and Grizzly Conveyor Spares Supply Contract**

Document Identifier: **1031889**

Alternative Reference Number: **N/A**

Area of Applicability: **Kendal Engineering**

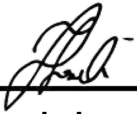
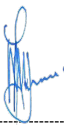
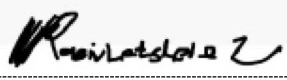
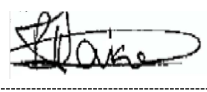
Functional Area: **Engineering**

Revision: **01**

Total Pages:

Next Review Date: **N/A**

Disclosure Classification: **Controlled Disclosure**

Compiled by	Supported by	Approved by	Authorized by
			
Thapelo Lesola System Engineer	Aaron Masehla Maintenance Manager OPMD	Tendani Rasivhetshele Boiler Engineering Manager	Phindile Takane Engineering Manager (Acting)
Date: 05/04/2025	Date: 08/04/2025	Date: 09/04/2025	Date: 13.04.2025

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.....	3
2.3 Definitions	4
2.4 Abbreviations	4
2.5 Roles and Responsibilities	4
2.6 Process for Monitoring.....	4
2.7 Related/Supporting Documents.....	4
3. Procurement and Supply of SSC and Grizzly Conveyor Spares	4
3.1 List of Spares	5
3.1.1 Corrosion Protection.....	6
3.1.2 Codes and Standards.....	6
3.1.3 Drawings	6
3.1.4 Documentation Requirements	6
3.2 Tender Returnable	6
3.2.1 Gate Keepers	6
3.2.2 Qualitative Returnable	6
4. Quality Management	7
4.1 Contract Quality Management Plan Requirements	7
5. Health and Safety Management	7
5.1 General	7
5.2 SHE Documentation required from the contractor	7
6. Environmental Management.....	7
7. Acceptance.....	8
8. Revisions.....	8
9. Development Team	8
Appendix A – Eskom Document Hierarchy.....	9

Tables

Table 1: SSC and Grizzly Spares List	5
--	---

CONTROLLED DISCLOSURE

Introduction

The Submerged Scraper Conveyor is installed at each of the 6 Units at Kendal Power Station for the purpose of bulk ash handling and continuous transportation during operation. The SSC and grizzly conveyor consist of the Hägglunds powerpack and hydraulic motor, flights, chain, tail-end pulley, drive pulley and gearbox. These are long lead time spares items, and unavailability of these spares will lead plant unavailability and increased loss in production. Thus, it is crucial to have these spares available to ensure excellent operations of the SSC and Grizzly Conveyors at Kendal Power Station.

2. Supporting Clauses

2.1 Scope

This document covers the works information for the purchase, fabrication, supply, and off-loading SSC and Grizzly conveyors spares at Kendal Power Station

2.1.1 Purpose

The purpose of this document is to provide the scope of works for the procurement, fabrication, supply, delivery to site, off-loading, of SSC and Grizzly conveyor spares at Kendal Power Station.

2.1.2 Applicability

This document shall apply throughout Eskom Kendal Power Station.

2.1.3 Effective date

This document shall apply throughout Kendal 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] ISO 9001:2015 Quality Management Systems

2.2.2 Informative

[2] ISO 14001:2015 Environmental Management Systems

[3] ISO 9000:2015 Quality Management Systems-Fundamentals and Vocabulary

[4] 32-95 Procedure Manual for Performing Occupation health and Safety

[5] NEC3 National Engineering Contract

[6] 1017401 Integrated Risk Management Procedure

CONTROLLED DISCLOSURE

2.3 Definitions

Definition	Explanation
Contractor	the producer, fabricator and supplier of a specific product

2.4 Abbreviations

Abbreviation	Explanation
ISO	International Organization for Standardization
SSC	Submerged Scraper Conveyor

2.5 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*

2.6 Process for Monitoring

N/A

2.7 Related/Supporting Documents

N/A

3. Procurement and Supply of SSC and Grizzly Conveyor Spares

The general requirement for the works is as follows:

- The contractor shall fabricate, supply, deliver and off-load the SSC and Grizzly Spares at Kendal Power Station as per the quantity and specifications on Table 1 below.
- 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 work.
- Included in Table 1 is the material numbers, description and required quantities.

CONTROLLED DISCLOSURE

3.1 List of Spares

Table 1: SSC and Grizzly Spares List

Plant Area	Stock Number	Description	Quantities
Submerged Scraper Conveyor	255555	SEAL; BEARING,170 X 4.5 X 3 X 210 MM	200
	182560	ASSEMBLY: SSC SHAFT & BEARINGS	24
	38904	PULLEY, CONV: TAIL; DIA 350 MM; WD 2.38 M	12
	38937	WHEEL: IDLER; ID 250 MM; OD 820 MM	200
	79062	LUBRICATOR: AUTOMATIC GREASE FEEDER	100
	29329	ASSY: HEAD SHAFT	12
	255553	BRG, SLV: DMS1538; OUTBOARD; ID 170 MM; STL	48
	29241	CYLINDER:25-31; TENSIONING	24
	29328	SHAFT: CONVEYOR; LG 3.84 M; ST	12
	68361	VALVE, GATE: RESILIENT SEAL;200 MM;16 BAR	24
	68391	VALVE, SOLND:3/8 IN;2 PORT;205 BAR; STL	24
	69730	VALVE, BTRFLY: LMC0DEABS450410; WAFER; CI	24
	69971	GATE, AINSWORTH RSV GATE V/V 80MM	12
	222232	SEAL OIL:ID 110 MM; OD 130 MM; WD 12 MM	200
	222233	SEAL OIL:ID 150 MM; OD 180 MM; WD 12 MM	200
	250317	FLOAT: FOUR WAY PILOT VALVE; BRS	60
	38727	INBOARD BEARINGS	48
	255553	OUTBOARD BEARING SHAFT SLEEVES	48
	34576	HOUSING BRG UNIT: PLUMMER BLOCK;150MM; CI	40
	31156	BRG RLR: SELF ALIGNING; ID 170 MM; DOUBLE	40
	30138	SLEEVE ADPTR: BEARING;150 MM; LG 122 MM	40
	34767	BRG PILW BLCK:2;26 MM;115 MM; STL	180
	30061	BRG RLR: SELF ALIGNING; ID 100 MM; DOUBLE	180
	30050	SLEEVE ADPTR: BEARING;90 MM; LG 71 MM; STL	180
	0754775	COUPLING SHAFT: LOCKING ELEMENT (130 X 180MM)	96
	0754763	COUPLING SHAFT: LOCKING ELEMENT (100 X 145MM)	96
	754807	Ball Valves	60
	754781	Agitation pump	2
Grizzly Conveyor	36025	DISK CUTNG: OD 115 MM;22.2 MM; THK 2.5 MM	24
	38896	RAIL: WEAR; WD 85 MM X LG 3 M X THK 10 MM	72
	0754817	GEARBOX: GRIZZLY CUTOFF PLATE/DIVERTOR CHUTE	36
	0754807	BRG: UCF 214	120

CONTROLLED DISCLOSURE

3.1.1 Corrosion Protection

The contractor shall provide the necessary coating required to preserve the spares items for storage purposes.

3.1.2 Codes and Standards

The following codes and standards shall be adhered to in the fabrication, delivery and storage of the spare items.

Governing:

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

Corrosion Protection:

- 36-681 Eskom Protective Coating Standard

Configuration Management:

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

3.1.3 Drawings

Drawings shall be provided at request, otherwise a sample will be provided.

3.1.4 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 SSC and Grizzly conveyors spares:

- Material specification

3.2 Tender Returnable

3.2.1 Gate Keepers

- See Technical Evaluation Strategy

3.2.2 Qualitative Returnable

- See Technical Evaluation Strategy

CONTROLLED DISCLOSURE

4. Quality Management

4.1 Contract Quality Management Plan Requirements

The Contractor shall comply with the ISO 9001:2015 Quality Management System and Employer's Quality Requirements of as specified in Eskom QM58 document: 240-51544462

5. Health and Safety Management

5.1 General

The Contractor shall comply with the following:

- Eskom Safety Health procedure.
- Construction regulation
- Adhere to the OHS Act 85 of 1993.
- All staff will undergo Safety Induction, presented by Employer's Safety Risk Department.
- Contractor must obtain a safety clearance and adhere to Plant Safety Regulation used at Kendal Power Station before carrying out any work.

5.2 SHE Documentation required from the contractor

The Contractor shall comply with the following:

- Construction Regulation requirements -Safety File Approval
- Safety File Approval Form

6. Environmental Management

The Contractor shall comply with the following:

- Environmental Management System (ISO 14001: 2015)
- 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

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

7. Acceptance

This document has been seen and accepted by:

Full Name and Surname	Designation
Thapelo Lesola	System Engineer
Tendani Rasivhetshele	Boiler Engineering Manager
Aaron Masehla	Ash Plant Maintenance Manager
Peter Matshika	Ash Plant Maintenance Supervisor
Phindile Takane	Acting Engineering Manager

8. Revisions

Date	Rev.	Compiler	Remarks
April 2025	01	Thapelo Lesola	Update the list of Spares, Adding the Agitation Pump and Ball Valve, Refer to changes on Table 1. And removal of Sections that are not applicable that is section 3.3,3.4, Section 4: Completion, testing, commissioning and correction of defects and Section 5: Plant Outages
December 2024	00	Sibusiso Yotho	Revision 1 of the Contract Scope of Work

9. Development Team

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

- Sibusiso Yotho
- Thapelo Lesola
- Peter Matshika

CONTROLLED DISCLOSURE

Appendix A – Eskom Document Hierarchy

A.1 Document Hierarchy (an example of a picture /photos /diagram etc.)

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 in any manner or form by third parties without the written consent of Eskom Holdings SOC Ltd, © copyright Eskom Holdings SOC Ltd, Reg No 2002/015527/30