	Report	Engineering
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Title: **Supply and delivery of mill reject chamber brushes on an as when required basis for a period of 5 years - scope of work** Document Identifier: **559-672398086**

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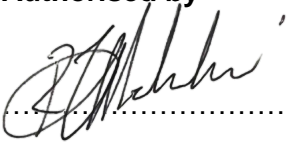
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Content

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.....	3
2.3 Definitions	3
2.4 Abbreviations	4
2.5 Roles and Responsibilities	4
2.6 Process for Monitoring.....	4
2.7 Related/Supporting Documents.....	4
3. Supply and delivery of mill labyrinth seal scope of work.....	5
3.1 Executive overview.....	5
3.2 Employer's requirements for the service.....	5
3.2.1 General	5
3.2.2 Scope of work.....	5
3.2.3 Standards and specifications.....	6
3.2.4 THE PROGRAMME	7
4. Acceptance.....	8
5. Revisions.....	8
6. Development Team	8
7. Acknowledgements	8

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1. Introduction

Kriel Stores department is going out on open tender for a supply contract for the mill labyrinth seals. The contract will be for 5 years.

The scope of work is defined in this document.

2. Supporting Clauses

2.1 Scope

The scope of this document defines the scope of work that the supply contractor will have to execute at his works.

2.1.1 Purpose

The purpose of the document is to define the scope of work in line with the service information on the NEC3 Supply contract.

2.1.2 Applicability

This document is applicable to Kriel Power Station.

2.1.3 Effective date

The document will be effective from the date of authorisation.

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

2.2.2 Informative

[2] 32-1033: Eskom Procurement and Supply Chain Management Policy

[3] 32-1034: Eskom Procurement and Supply Management Procedure during the tender process

2.3 Definitions

None

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2.4 Abbreviations

Abbreviation	Explanation
AIA	Approved Inspection Authority
GO	General Overhaul
MGO	Mini General Overhaul
N/A	Not Applicable
OBL	Outside battery limits
WPS	Welding procedure specification

2.5 Roles and Responsibilities

System Engineer

Responsible for compilation of the scope of work for the contract and ensuring all items are defined clearly and all technical information is correct.

Boiler Manager/End User

Responsible in ensuring that the quality checking of the supplied spare is correct and useable prior to the item being binned.

Materials Manager

Must ensure that the supplier is managed in line with this scope and the subsequent NEC document to be developed.

2.6 Process for Monitoring

N/A

2.7 Related/Supporting Documents

N/A

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3. Supply and delivery of mill reject chamber brushes scope of work

3.1 Executive overview

The contract covers the manufacture and supply of 10.8E and 12E angled and straight mill reject chamber brushes used at Kriel Power Station.

3.2 Employer's requirements for the service

3.2.1 General

The supplier is responsible for the supply and delivery of mill reject chamber brushes as stock items on an "as and when required" basis. The mill reject chamber brushes must be made to the specified Eskom drawings (Modifications acceptable) and applicable international standards. The following must be adhered to:

- The data pack detailing all quality checks must be submitted electronically to the end-user and in hard copy when the delivery is made.
- The contractor must work to original manufacturing specifications, **modification on original design will be considered and will be subjected to Eskom engineering approval**. Design modifications must clearly state the added benefits as opposed to the previous design.
- Approved quality control plans must be made available for inspection by the employer.
- The contractor must commit to a reasonable lead-time at the start of the contract. The delivery date of each order must be communicated with the contract manager and end-user.
- The delivery of the brushes will only be considered as complete if and when all the associated documentation is available at Kriel Power Station. All deliveries must be made to Kriel Power Station Main Stores and will be subject to thorough inspection before acceptance. The end-user must be notified two days before any delivery to arrange the offloading of the material.

Deliveries must be made during the week within the following hours:

Monday, Tuesday, Wednesday, Thursday: 07h00 until 14h30

Friday: 07h00 until 10h00

3.2.2 Scope of work

No	Short description	Material Description (PO information)	Stock no	Quantity
1	BRUSH:PLOUGH;HT 230 MM;STL	BRUSH: TYPE: PLOUGH; DIMENSIONS: HT 230 MM; MATERIAL: STL; DRAWING NO: 3- 7419-297 REV 1; KTM62 REV 1; 35 DEGREE; NO HANDLE; BRISTLES 210MM; TO BABCOCK DRG OR KANTECH DRG; FOR UNIT 1 TO 3 PF MILLS 10.8E	036385	200

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2	BRUSH:PLOUGH;HT 260 MM;STL	BRUSH: TYPE: PLOUGH; DIMENSIONS: HT 260 MM; MATERIAL: STL; DRAWING NO: 81154-2183 REV 1; KTM63 REV 1; 35 DEGREE; NO HANDLE; BRISTLES 250MM; FOR BABCOCK DRG OR KANTECH DRG; TO BE USED BY BABCOCK ON PF MILLS 12E UNIT 4 TO 6	036385 036386	200
3	BRUSH:PLOUGH STRAIGHT;HT 260 MM;STL	BRUSH: TYPE: PLOUGH STRAIGHT; DIMENSIONS: HT 260 MM; MATERIAL: STL; DRAWING NO: 81154-2166 REV 1; KTM65 REV 1; NONE HANDLE; TO BABCOCK DRAWING OR KANTECH DRAWING; FOR BABCOCK PF MILLS 12E UNIT 4 TO 6	036387	200
4	BRUSH:PLOUGH STRAIGHT;HT 230 MM;STL	BRUSH: TYPE: PLOUGH STRAIGHT; DIMENSIONS: HT 230 MM; MATERIAL: STL; DRAWING NO: 3-7419-348 REV 1; KTM64 REV 1; NONE HANDLE; TO BABCOCK DRAWING OR KANTECH DRAWING; FOR BABCOCK PF MILLS 10.8E UNIT 1 TO 3	036388	200
5	BRUSH:PLOUGH STRAIGHT;WD 278 X LG 522 MM	BRUSH: TYPE: PLOUGH STRAIGHT; DIMENSIONS: WD 278 X LG 522 MM; MATERIAL: STL; HANDLE: STEEL; COLOR: SILVER; FOR UNIT 1-6 MILLS; BRUSH PLOUGH CARRIER CASSING WITH END PLATES	567770	72

3.2.3 Standards and specifications

3.2.3.1 Quality Control Plan

A Quality control plan must be developed and submitted to Eskom for approval. The plan has to include quality control on material for new components, quality control of components not manufactured by the contractor where applicable.

Intervention points on critical manufacturing and assembling steps must be approved before the work starts. Involvement of a third-party inspector has to be indicated where applicable.

3.2.3.1.1 Intervention points

Intervention points will be approved for each individual unit and is to be detailed in the applicable Task Order.

The employer's representative may from time to time visit the contractor's works to inspect and monitor progress without prior notice.

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3.2.3.1.2 Material certificates

The quality control plan must state the controls to confirm the quality of all materials used, NDT test required during fabrication and assembly and heat treatment requirements. The physical property test certificate, chemical composition certificates, NDT certificates and heat treatment certificates must be in the data pack (where applicable).

3.2.4 THE PROGRAMME

The starting date and completion date as per the relevant Task Order will be applicable for each unit.

A program must be submitted for each task order with the activities broken down to show how the end date will be achieved.

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4. Acceptance

This document has been seen and accepted by:

Name	Designation
[REDACTED]	Technical advisor – MMD Boiler
[REDACTED]	Boiler senior engineer
[REDACTED]	System engineer
[REDACTED]	MMD mills 1-3 Supervisor
[REDACTED]	MMD mills 4-6 Supervisor
[REDACTED]	MMD mills senior technician

5. Revisions

Date	Rev.	Compiler	Remarks
July 2025	0	[REDACTED]	Document creation

6. Development Team

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

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

7. Acknowledgements

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