

	Scope of Work	Engineering
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Title: **Supply and Delivery of Mill Classifier blades spares, on an “as and when” required basis for a period of five years to Kriel Power Station, Main Stores-SOW.** Document Identifier: **559-1056289191**
Alternative Reference **N/A**
Number:

Area of Applicability: **Kriel Power Station**

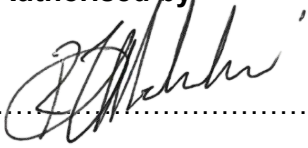
Functional Area: **Engineering**

Revision: **0**

Total Pages: **8**

Next Review Date: **N/A**

Disclosure Classification: **Controlled Disclosure**

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Date: 08 May 2026	Date: 02/06/2026	Date: 02/06/2026

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.....	6
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

CONTROLLED DISCLOSURE

1. Introduction

Kriel Stores department is going out on tender for the supply and delivery contract of milling plant classifier blades for 10.8E and 12E Babcock vertical spindle mills. The contract will be for a period of 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 the supply contractor will have to execute.

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
IWE	International Welding Engineer
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 labyrinth seal scope of work

3.1 Executive overview

The contract covers the manufacture, supply and delivery of 10.8E and 12E mill classifier blades and its associated spares used at Kriel Power Station.

3.2 Employer’s requirements for the service

3.2.1 General

3.2.1.1. Supply and Delivery

- The supplier is responsible for the supply of milling plant classifier blades on an “as and when required” basis. The described spares must be made to the specified Eskom drawings unless stated otherwise by the milling plant engineer and applicable international standards.
- The data pack must be submitted electronically to the end-user and in hard copy when the delivery is made. The data pack must include all material certificates and heat treatment certificate. During delivery, MMD mills will accept the delivery based on the inspection texts provided on the material data capture form.
- The contractor must only work to original manufacturing specifications and to approved quality control plans which 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 a unit will only be considered as complete if and only if all the associated documentation is available at Kriel Power Station. All deliveries must be made to Kriel Power Station Main Stores. 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-Thursday: 07h00 until 14h30

Friday: 07h00 until 10h00

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3.2.2 Scope of work

No	Short description	Material Description (PO information)	Stock no	Quantity per unit
1	BLADE:CLASSIFIER; 10.8E BENNOX SS 10/200	BLADE: TYPE: CLASSIFIER; DIMENSIONS: WD 600 X LG 910 X THK 60 MM; MATERIAL: BENNOX SS 10/200; DRAWING NO: 81154-2213 REV 1; 201-STD-251 REV 1; KTM61 REV 1; 10.8 E MILL; COMPLETE WITH SLEEVE AND STUB SPINDLE AS ON BABCOCK DRG, 16 BLADES PER SET, 1 EACH; ALTERNATIVE MATERIAL CAN BE WELDOX 200	0036825	864
2	BLADE:CLASSIFIER 12E MILL	BLADE: TYPE: CLASSIFIER 12E MILL; DIMENSIONS: WD 540 MM X LG 1.1 M X THK 60 MM; MATERIAL: SS 10/200 BENNOX; SUPPL P/N: A.H.; DRAWING NO: 81154-2142H REV 1; COMPLETE WITH SLEEVE AND STUB SPINDLE AS ON BABCOCK DRG OR KANTECH DRG, 16 BLADES PER SET, 1 EACH	0036825	576
3	MOUNT:BEARING MILL CLASSIFIER;STL	MOUNT: TYPE: BEARING MILL CLASSIFIER; DIMENSIONS: ID 50 X OD 187 X HT 115 MM; MATERIAL: STL; DRAWING NO: KANTECH KTR221; KTR225 REV 1; BABCOCK 201/STD/251 REV 1; SET, TOP AND BOTTOM, FOR 10.8 AND 12E MILLS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	0032297	160

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 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.

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

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
Thapelo Masokoane	BPE Manager
John Mkhonto	Senior BPE Engineer
Mutshidzi Rambau	Process Engineering
Phelelani Khumalo	Boiler maintenance manager
Feyani Tivane	BPE SE

5. Revisions

Date	Rev.	Compiler	Remarks
September 2025	0	WKW Nkentshane	Document created to formalise the scope of work required for the NEC used in the procurement of the spares.

6. Development Team

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

- Wonder Nkentshane
- Feyane Tivane

7. Acknowledgements

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