

	Strategy	Engineering
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Title: **Tender Technical Evaluation Strategy** Document Identifier: **559-1056212067**

for the Supply and Delivery of Mill classifier blades spares, on an “as and when” required basis for a period of 5 years to Kriel Power Station, Main Stores.

Alternative Reference N/A
Number:

Area of Applicability: **Kriel Power Station**

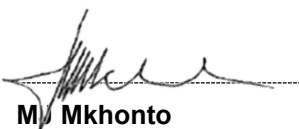
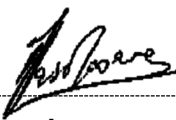
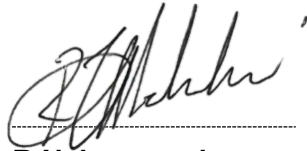
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1. Introduction

Kriel Power Station is located approximately 10 km from the town of Kriel in Mpumalanga and is accessible by road; the purpose of this scope is to provide a high-level overview of the requirements and specifications for the listed components, which prospective service providers must consider when preparing and submitting their supply proposals, and it should be noted that this scope applies exclusively to Kriel Power Station.

2. Supporting Clauses

2.1 Scope

The scope of the document defines the technical evaluation criteria by which tenderers for the Supply and Delivery of Mill classifier blades spares and bearings, on an “as and when” required basis for a period of five (5) years to Kriel Power Station Main Stores as listed on tables below will be subjected to.

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document shall apply to Kriel Power station.

2.1.3 Effective date

N/A

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] 240-168966153 Generation Tender Technical Evaluation Procedure
- [2] QM 58: Supplier Contract Quality Requirements
- [3] ISO 9001: Quality Management Systems.

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[4] ISO 14001: Environmental Standard

2.2.2 Informative

- [5] 240-105658000: Supplier Quality Management Specification
- [6] BS EN 10204:2004 Metallic Products: Types of Inspection Documents
- [7] QM 58 Supplier Contract Quality Requirements Specification
- [8] 240-28463367: SHE Organization
- [9] 240-30008949: Safety, Health, and Environmental Specifications for Contractors
- [10] 240-49230111: Hazard and Operability Analysis (HAZOP) Guideline (Rev 1)
- [11] 32-421: Cardinal Rules

2.3 Definitions

Definition	Description
Bennox SS10/200	A high-carbon, wear-resistant steel plate with approximately 200 BHN hardness commonly used for liner plates, scraper blades, and other medium-abrasion industrial applications.
Welding Overlay	A welding process used to deposit a wear-resistant or corrosion-resistant material onto the surface of a base metal to improve durability and extend component service life.

2.4 Abbreviations

Abbreviation	Description
PS	Power Station
TET	Technical evaluation team
QMS	Quality Management System
QCP	Quality control plan
PO	purchase orders

2.5 Roles and Responsibilities

As per 240-168966153 Generation Tender Technical Evaluation Procedure

2.6 Process for Monitoring

N/A

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2.7 Related/Supporting Documents

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY AND SCOPE

3.1 Technical evaluation thresholds

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is **70%** as per 240-168966153 Generation Tender Technical Evaluation Procedure.

The following information will be required as a minimum and shall be supplied by the purchaser at the time of an enquiry and order:

- Documented welding procedures.
- Material grade verification and mill certificate.
- Chemical composition compliance.
- Hardness performance suitability.
- Confirmation that the supplier or suppliers manufacturer has qualified welders capable of working with Bennox ss10/200.

3.2 TET MEMBERS

TET number	TET Member Name	Designation
TET 1	Wonder Nkentshane	Engineer, Kriel Boiler Engineering
TET 2	Samukelisiwe Dubazane	Engineer, Kriel Boiler Engineering
TET 3	John Mkhonto	Engineer, Kriel Boiler Engineering
TET 4	Xolani Sigwebela	Engineer, Kriel Boiler Engineering

3.3 TENDER RETURNABLES/TECHNICAL SPECIFICATIONS

3.3.1. Material grade verification and mill certificates

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- The supplier will be required to provide mill test certificate (e.g., heat/lot number, chemical composition traceability) showing the plate meeting the specified chemical composition: C 0.4-0.55%, Mn 0.70-1.00%, Si 0.15-0.35%.
- Confirm the plate is specified as Bennox SS10/200 (or equivalent “Wearplate 200 / SS10 / Bennox”).
- To confirm the actual dimensions of the plate used in manufacturing the vane.

3.3.2. Fabrication and welding procedure

- Since SS10/200 is a high-carbon wear plate, bidders are requested to submit a fabrication plan for vanes (cutting method, welding procedure, bolt-down vs weld-in, preheating, heat-treatment).
- Part of the vanes requires welding, and since this is high carbon, bidders will have to provide welding procedure specifications and proof of use of qualified welders.

3.3.3. Valid proof of workshop ownership/Lease agreement

- Valid proof of ownership or lease agreement must be provided. If other components are subcontracted by the supplier, proof of ownership from the contractor must be provided.

3.3.4. Method statement

The tenderer shall submit a detailed methodology of how the tenderer will:

- Supply and deliver order to specification as per the SOW and handle defective material and premature failure of components.
- Perform quality verification.
- Provide onsite and offsite material storage procedure as per the equipment manufacturer requirements.
- Perform safe stock handling and transportation of critical components.
- Provide technical support to Eskom of delivered components as per the SOW in liaising with respective equipment manufacturer.
- Transport and provide technical support.

3.3.5. QCPs

QCPs must be submitted, with clear step-by-step tasks stipulated in the Quality Control Plan. Preferably three historically fully signed-off plans to be submitted/comprehensive new template with all stakeholders to sign-off. Quality control plan (QCP). This must provide assurance in terms of the inclusion of the services of:

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- Materials controller
- Quality controller
- Material supervisor

3.3.6. Proof of historical supply projects

The tenderer to submit **5X** proof of previous successfully executed supply and delivery works related to Bennox SS10/200 within the last 5 years: Submits proof of order, proof of delivery and material certificates accepted and stamped by the Client (Any industry). Proof must be in the form of a combination of the following:

- Valid purchase orders (PO),
- Signed off delivery notes (by supplier and client) associated with purchase order and
- The material certification of the material supplied

3.3.7. Welding overlay capabilities

The tenderer must provide proof confirming their capability to perform weld overlay services, or proof of a partnership with a service provider capable of performing weld overlay. In the case of a partnership, the service provider must also submit supporting proof together with a commitment letter

3.3.8. Customer survey/satisfactory

The tenderer to submit customer satisfaction survey from previous clients excluding Kriel power station. If no customer satisfaction survey readily available, the tenderer should request feedback from previous clients in writing and submit with the tender documents. This information will be subjected to verification with the supplier's client.

3.3.9. Transportation and technical support

As part of the method statement section 3.3.4, a detailed methodology on how the transportation of the material and provision of technical support will be carried out should be outlined. This should include but not limited to:

- Use of appropriate/suitable transportation,
- Material safety during transportation,
- Driver fitness for duty,
- Providence of technical support as and when required.

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3.4 Mandatory Technical Evaluation Criteria

Table 1: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference Technical Specification to Tender Returnable /	Motivation for use of Criteria
1.	A signed declaration letter from manufacturer (s) , confirming that requirements of working with Bennox SS10/200 are met and that qualified welders will be used to fabricate and assemble the vanes.	3.1	To ensure knowledge and capacity of supplying the scoped material.
2.	Documented welding procedure to be complied with during fabrication.	3.1	To ensure quality weld and minimize frequent/premature failure of the vanes
3.	The bidder to submit proof welder qualification used by the supplier, at least 3 certificates.	3.1	This is a special type of steel that requires special welding procedures

3.5 Qualitative Technical Evaluation Criteria Scoring Matrix

The qualitative criteria will be scored according to the scoring matrix set out in the Tender Engineering Evaluation Procedure. **Table 2** shows the scoring matrix that will be used.

Table 2: Qualitative Technical Evaluation Criteria Scoring Matrix

Score	%	Definition
5	100	COMPLIANT - Meet technical requirement(s) AND; - No foreseen technical risk(s) in meeting technical requirements.

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4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS - Meet technical requirement(s) with; - Acceptable technical risk(s) AND/OR; - Acceptable exceptions AND/OR; - Acceptable conditions.
2	40	NON-COMPLIANT - Does not meet technical requirement(s) AND/OR; - Unacceptable technical risk(s) AND/OR; - Unacceptable exceptions AND/OR; - Unacceptable conditions.
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE
Note 1: The scoring table does not allow for scoring of 1 and 3.		

3.6 QUALITATIVE TECHNICAL EVALUATION CRITERIA

		Qualitative Technical Criteria Description							
	TECHNICAL INFORMATION		Referen ce to Techni cal Specifi cation / Tender Return able	Criteri a Weigh ting (%)	Criter ia Sub Weig hting (%)		Evaluation Breakdown		Scoring
						0	2	4	5
1	1.1	The tenderer to submit 5x proof of previous successfully executed supply and delivery works within the last 5 years; this must involve the supply of components/material made of Bennox SS0/200: Submits proof of order and proof of delivery accepted and stamped by the Client	Section 3.3.6	30	30	Nothing provide d or provide d proof is not signed or stampe d. refer to SOW Spares list	Submits 1 proof of order and proof of delivery accepte d and stamped by the Client	Submits 3 proof of order and proof of delivery accepted and stamped by the Client but does not include works involving Bennox SS10/200	Submits >=5 proof of order and proof of delivery accepted and stamped on by the Client. The supply involves works with Bennox SS10/200

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	1.2	The tender submits a detailed methodology of how the tender shall: 1. Supply and deliver order to specification as per SOW 2. Handle defective materials 3. Premature failures of components. 4. Perform quality verifications. 5. Additionally, a welding procedure must be submitted by the tenderer. The procedure must include Bennox SS10/2.	Section 3.3.2 and Section 3.3.4	10	10	No information submitted	Submitted with major gaps and major risks identified . •Does not meet technical requirement(s) AND/O; Unacceptable technical risk(s) AND/O; •Unacceptable exceptions AND/O; •Unacceptable conditions .	•Submitted with sufficiently detailed with Minor omissions , •Meets technical specification and •Acceptable technical risks identified •Welding procedure is included as part of the method statement .	•Submitted detailed covers entire SOW • Meet technical requirement (s) AND; •No foreseen technical risk(s) in meeting technical requirements. •Welding procedure is included as part of the method statement.
2	Quality Management System		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)		Evaluation Scoring Breakdown		
						0	2	4	5
	2.1	QCPs must be submitted, with clear step-by-step tasks stipulated in the Quality Control Plan. Preferably one QCP templates to be submitted/comprehensive new template with all stakeholders to sign-off. Quality control plan (QCP).		Section 3.3.5	7	7	None	Inadequate/Incomplete QCP	Non-Comprehensive QCP Template

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	Assurance Requirements		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Evaluation Scoring Breakdown			
						0	2	4	5
3	3.1	Name, street, and postal address, contact names and telephone numbers of the plant (site of manufacturing, inspection, testing, and release – if any activity is done at a different plant, it must be listed) where the material will be manufactured, must be supplied with the tender submission. Note that Eskom reserves the right to audit the facilities (or arrange for it by a third party). Under no circumstances can material be manufactured elsewhere without Eskom's written approval (10%)	OEM Information 3.3.3	5	5	No Information Provided	-	-	Verifiable list of Manufacturers provided.
	3.2	Letter of commitment/mention in the declaration form that all material will have as a minimum, material datasheet	Section 3.1	10	10	Not stated in the letter/form	-	-	Stated in the Signed Commitment letter/declaration form
	3.3	The tenderer must provide proof confirming their capability to perform weld overlay services, or proof of a partnership with a service provider capable of performing weld overlay. In the case of a partnership, the service provider must also submit supporting proof together with a commitment letter	Section 3.3.7	23	23	Not stated			The tenderer has provided proof confirming their capability to perform weld overlay services, alternatively, proof of partnership with a service provider capable of performing weld overlay has been submitted. The service provider has also provided supporting proof together

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									with a commitment letter.
	3.4	Customer satisfaction survey with verifiable contacts form/letter from previous clients 3X.	Section 3.3.8	15	15	No Information	1X Verifiable surveys	2X Verifiable surveys	3X Verifiable surveys submitted
		TOTAL = 100%							

3.7 TET Member Responsibility for Part 1

Table 3: TET member responsibilities for part 1

Mandatory Criteria Number	T E T 1	T E T 2
1. Previously Orders	X	X
2. Commitment Letter/Declaration form	X	X
3. ISO 9001 and 45001	X	X
Qualitative Criteria Number	T E T 1	T E T 2
1. The 3.1 Material Certificate	X	X
2. Compliance with the Specification	X	X

3.8 Foreseen acceptable / unacceptable qualifications

Risk	Description
N/A	

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4. Acceptance

This document has been seen and accepted by:

Name	Designation
Rofhiwa Nelwamondo	Kriel Engineering Manager
Thapelo Masokoane	Boiler Engineering Manager
John Mkhonto	Boiler System engineer
Feyane Tivane	Boiler System engineer
Wonder Nkentshane	Boiler System Engineer
Phelelani Khumalo	Boiler maintenance manager

5. Revisions

Note: Start with the latest Revision History in the first row and go backwards.

Date	Rev.	Compiler	Remarks
October 2025	0	Feyane Tivane Wonder Nkentshane	New document compilation
May 2026	1	Wonder Nkentshane	Fixing some of the identified errors in formatting.

6. Development Team

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

- Feyane Tivane
- Wonder Nkentshane

7. Acknowledgements

N/A

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