

	Strategy	Kusile Power Station
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 Technical Evaluation Strategy
 Milling Plant Spares Supply and
 Delivery

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1. Introduction

A technical evaluation is a critical activity performed by engineers / technical specialists in accordance with Eskom Procurement and Supply Chain Management Policy (32-1033) and Eskom Procurement and Supply Management Procedure (32-1034) during the tender process.

The process to be followed in performing technical evaluations during the tender evaluation process must be consistent throughout Eskom Engineering.

This document shall ensure that a consistent, fair, transparent, impartial and auditable process is followed to identify the highest technically ranked tenderer for supply of milling plant spares.

2. Supporting Clauses

2.1 Scope

This document describes the technical evaluation criterion, team members and requirements for Kusile milling plant spares contract tender technical evaluation.

2.1.1 Purpose

The purpose of this document is to provide a consistent approach to: processes and principles to be followed when technically evaluating refractory removal and replacement contract tenders; responsibilities of individuals and reporting requirements by defining the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for the evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document shall apply throughout Kusile Power Station, and is more specific to the Boiler Engineering, Boiler Maintenance, Outages Department, Project Department and any contractor that will be involved in the execution of scope of work.

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

240-168966153: Tender Technical Evaluation Procedure

240-44682850: PCM - Provide Engineering During Project Sourcing

2-1033: Eskom Procurement and Supply Chain Management Policy

32-1034: Eskom Procurement and Supply Management Procedure

2.2.2 Informative

474-59: Internal Audit Procedure

ISO 9001 Quality Management Systems

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2.3 Definitions

Enquiry: A competitive or non-competitive request for information, interest, quotations or proposals made to a supplier, a group of suppliers or the market at large.

Tender: A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification.

2.3.1 Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary).

2.4 Abbreviations

Abbreviation	Description
CV	Curriculum Vitae
EDWL	Engineering Design Work Lead
GM	General Manager
LDE	Lead Discipline Engineer
MSDS	Material Safety Data Sheet
TET	Technical Evolution Team

2.5 Roles And Responsibilities

1. **Engineering Manager:** Is responsible for ensuring that all staff, in their respective areas understand and adhere to this tender technical evaluation strategy.
2. **Plant Engineer:** The engineer is responsible to manage the execution and adherence to the Tender Technical Evaluation procedure and strategy.
3. **Technical Evaluation Team (TET) member:** Is responsible to review and evaluate technical aspects of the tender documentation as per the Tender Technical Evaluation Strategy.

2.6 Process For Monitoring

N/A

2.7 Related/Supporting Documents

- [1] 240-53716746: Tender Technical Evaluation Report Template
- [2] 240-53716712: Tender Technical Evaluation Results Form Template
- [3] 240-53716726: Tender Technical Evaluation Scoring Form Template
- [4] 240-53716769: Tender Technical Evaluation Strategy Template

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3. Tender Technical Evaluation Strategy

3.1 Technical Evaluation Threshold

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

3.2 Tet Members

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Given Rikhotso	Boiler Maintenance Manager
TET 2	Johannes Mgidi	Planner Production Work Management
TET 3	Sakhile Mazibuko	Senior Supervisor Boiler Maintenance
TET 4	Percy Masethe	Senior Advisor Mechanical Boiler Maintenance
TET 5	Mokwena Mokhabela	Boiler System Engineer

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3.3 Mandatory Technical Evaluation Criteria

Mandatory Technical Evaluation Criteria (gatekeepers) are ‘must meet’ criteria. These criteria shall not be weighted, or point scored but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of ‘No’ against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Proof that the company owns a workshop that can manufacture the components.	Proof of ownership of workshop (Municipal Bill/Statement) OR If the building is rented, a letter from the building landlord needs to be submitted indicating that the building is used as a workshop for the company that is tendering.	To ensure constant supply of quality components at most economical cost
2.	Previous experience with the supply of MPS265 Mill components in the power plant or similar industry	Similar products supplied to industry must include a signed and stamped delivery note with the SAP Order number. This document should specify the products supplied and include traceable customer feedback on their use and success in industry.	To provide a confidence level that the supplier can execute the scope
3.	Accreditations	ISO 9001:2015 Certified (Provide valid certificate) ISO 3834 -2 Certified (Provide valid certificate)	Certifications demonstrate company’s adherence to quality standards and industry best practices.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Qualitative Technical Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion.

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification	Criteria Weighting	Criteria Sub Weighting (%)
1.	Details of Company / previous history of supply:		30	-

	1.1	Company profile and Previous History of Supply	<p>Previous History of Supply:</p> <p>1. Proven Experience in the manufacturing of components or reverse engineering of components used in vertical spindle Mills or similar milling plant.</p> <p>(a) A list of milling plant or complex equipment similar manufactured at the plant, with particular regard to the materials and sizes as part of the tender, shall be supplied.</p> <p>(b) This should include a reference list with verifiable contact details of the end users, dates of delivery, material grade, dimensions.</p> <p>Attach the following as proof:</p> <p>1. Company Profile with Company record proving technical expert works undertaken and organogram depicting company resources and the following:</p>	-	30
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			<p>2. Contract number or Task Order with SOW OR</p> <p>3. Purchase/Task order number with SOW OR</p> <p>4. Completion certificate with SOW</p> <p>(Note: Proof of milling plant components such as Scrappers, Nozzles, Throat, Displacer Ring, Dam rings, Pendulums, Reject Gates etc. Or similar complex equipment's manufactured)</p> <p>Scoring Criteria</p> <p>1. No Company Profile Submitted experience/proof provided - 0%</p> <p>2. Consecutive/non-interrupted Experience of 1 to 5 yrs, 1-3 Orders/Contracts/Completion Certificate submitted - 40%</p> <p>3. Consecutive/non-interrupted Experience of 5 to 7 yrs, 4-6 Orders/Contracts/Completion Certificate submitted - 80%</p> <p>4. Consecutive/Non-Interrupted Experience of 7 yrs and above, 7 or more Orders/Contracts/Completion Certificate submitted - 100%</p>		
2.		Manufacturing and Machining Capabilities		40	

	2.1	Company Design Capabilities	<p>Supplier to demonstrate inhouse design capability such as CAD/SOLIDWORKS or similar engineering drawing packages with equivalent software capabilities and FEM software. (including licenses)</p> <p>Scoring Criteria</p> <p>1 (100%) point if proof of all engineering packages are submitted. Proof of FEM and drawing packages need to be submitted. Example: license agreements or payments or Agreement with 3rd party if designing is outsourced. Agreement letter to be signed by supplier and 3rd party, and what services will be supplied.</p> <p>2 (50%) points if proof of any 1 engineering packages is submitted. Proof of FEM AND/OR drawing packages need to be submitted. Example license agreements or payments or Agreement with 3rd party if designing is outsourced. Agreement letter to be signed by supplier and 3rd party, and what services will be supplied.</p> <p>3 (0%) points if no proof of design capabilities</p>	-	10
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	2.2	Company Manufacturing and Workshop Capabilities	<p>Machining and CNC capabilities: Suppliers need to submit a letter of intent listing the following</p> <ol style="list-style-type: none"> 1. Machining and CNC capabilities on site, 2. Accuracy and Size of Product that can be Machined 3. Type of Material that can be Machined 4. Fetting and Cutting capabilities <p>Scoring Criteria</p> <ol style="list-style-type: none"> 1. No Company Machining and CNC capabilities submitted/proof provided - 0% 2. CNC Machines and Conventional Machines provided, 1 to 4 Machines submitted, 51% or more to be outsourced - 40% 3. CNC Machines and Conventional Machines provided, 5 to 8 Machines submitted, 31-50% to be outsourced, - 80% 4. CNC Machines and Conventional Machines provided, 9 or more Machines submitted, less than 30% to be outsourced, - 100% 	-	20
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	2.3	Measuring equipment	Measuring equipment: Suppliers need to submit measuring equipment that is capable of measuring 3D components for reverse engineering, additionally list, maximum 5 measuring equipment (including calibration certificates)		10
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			<p>Scoring Criteria</p> <p>1. No Measuring equipment submitted/proof provided - 0%</p> <p>2. Calibrated equipment provided, no 3D Capabilities submitted, - 40%</p> <p>3. Calibrated equipment provided; 3D Capability equipment submitted - 100%</p>		
3.	Key Personnel			15	
	3.1	Key Personnel and Experience (Engineer/manager)	<p>Qualification and Experience for Engineer/Technologist</p> <p>Scoring Criteria</p> <p>1.No CV and/or proof</p> <p>Qualifications and experience submitted -0%</p> <p>2. Minimum National Diploma Mechanical Engineering Qualifications with proof and 1 year experience -40%</p> <p>3. Mechanical Engineering Degree with 2+ Yrs Mechanical Scope related-80%</p> <p>4. National Diploma Mechanical Engineering/Degree with 4+ Yrs Mechanical Scope related 3+ yrs managerial experience - 100%</p>	-	5
			<p>Qualification and Experience for Machinist and Technician</p> <p>Scoring Criteria</p> <p>1.No CV and/or proof</p>		5

	3.2	Key Personnel and Experience (Machinist/Technician)	<p>Qualifications and experience submitted -0%</p> <p>2. Minimum National Diploma Qualifications with proof and 1 year experience -50%</p> <p>3. Minimum National Diploma with 4+ Yrs Mechanical Scope related- 100%</p>		
	3.3	Key Personnel and Experience (Quality controller)	<p>Qualification and Experience for Quality Controller</p> <p>Scoring Criteria</p> <p>1.No CV and/or proof</p> <p>Qualifications and experience submitted -0%</p> <p>2. QC Level 2 Qualifications with proof and 1 year experience -50%</p> <p>3. QC Level 2 Qualifications with 4+ Yrs Mechanical Scope related- 100%</p>		5
4.	Capacity and Lead Times			15	

	4.1	Manufacturing Duration Management	<p>Supplier to submit proof of previous client project plans/work schedule orders that includes a traceable order number, original delivery date and actual delivery date.</p> <p>Scoring Criteria</p> <p>1.No project plans/work schedule submitted -0%</p> <p>2. Project plans/work schedule, 1-5 schedules submitted -50%</p>	-	5
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			3. Project plans/work schedule, 6 or more schedules submitted -100%		
	4.2	Manufacturing Quality Management	<p>Quality Control Plan: Supplier to submit QCP for a complex refurbishment/manufacturing item previously supplied. (Tracible Databook which can be reviewed during factory assessment)</p> <p>Scoring Criteria</p> <p>1.No traceable QCP submitted -0% 2. QCP traceable to Databook, with related scope, 1-3 submitted -50% 3. QCP traceable to Databook, with related scope 4+ submitted - 100%</p>		5
	4.3	Manufacturing Procurement/Order Management	<p>Order Scheduling and Management System: Supplier to submit proof of a system being used to track and schedule client orders.</p> <p>Scoring Criteria</p> <p>1.No management system submitted-0% 2. Management system submitted - 100%</p>		5
				TOTAL: 100	

Qualitative Technical Evaluation Criteria

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1.1	X	X	X	X
2.1	X	X	X	X
2.2	X	X	X	X
2.3	X	X	X	X
3.1	X	X	X	X
3.2	X	X	X	X
3.3	X	X	X	X
4.1	X	X	X	X
4.2	X	X	X	X
4.3	X	X	X	X

Foreseen Acceptable / Unacceptable Qualifications

3.5.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	Some information is missing, but the information missing is not important

Table 6: Unacceptable Technical Risks

Risk	Description
1.	All mandatory requirements not achieved will results in immediately disqualification (no further technical evaluation)
2.	No information and / or proof of requirements is provided
3.	Equipment cannot be verified or available for review
4.	Machines not having power

3.5.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Duplicates / similar CVs are submitted for different tenderers – procurement department must decide on the way forward before the condition can be accepted or rejected.
2.	Subcontracting parts of scope for this tender,

4. Authorisation

This document has been seen and accepted by:

Name	Designation
Mokwena Mkhabela	System Engineer
Sakhile Mazibuko	Senior Technician Boiler Maintenance
Siyakudumisa Mtsweni	Manager Boiler Engineering
Given Rikhotso	Manager Boiler Maintenance
Percy Masethe	Senior Advisor Mechanical Boiler Maintenance
Fulufhelo Netshiongolwe	Engineering Group Manager
Abel Vuma	Maintenance Group Manager

5. Revisions

Date	Rev.	Compiler	Remarks
Nov 2025	1	Percy Masethe	New Document

6. Development Team

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

7. Acknowledgements