Eskom	Strategy	Engineering

Title:	**Tender Technical Evaluation Strategy for Mechanical evaporator refurbishment**	Unique Identifier:	**KUS-20241254**
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TABLES

1. INTRODUCTION

The Station previously installed six mechanical evaporators at the Ash Dump Dirty Dam (ADDD) as a mitigation for high water levels at the dam. The evaporators have been running when required with little to no maintenance on the equipment. A suitably qualified Contractor is required to refurbish and commission the equipment. The mechanical evaporators play a critical role in the management of dirty water on the Station.

2. SUPPORTING CLAUSES

2.1 SCOPE

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

Eskom Kusile 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] 240-48929482: Tender Technical Evaluation Procedure

[2] 32-1034: Eskom Procurement and Supply Chain Management Procedure

2.2.2 Informative

[3] ISO 9001 Quality Management Systems

[4] 32-727 Safety, Health, Environment, and Quality (SHEQ) Policy

2.3 DEFINITIONS

Definition	Description
Contractor	Service provider contracted to provide a specific service to Eskom, Kusile Power Station and provide the required spare parts.
Employer	Eskom, Kusile Power Station or representative

Contractor Manager / Site Manager	The Contractor's representative in regard of the agreement (contract)
Plant	Any structure, machinery, apparatus, or equipment which does not fall within the scope of the operating regulations for high voltage systems, and excludes, mobile, portable lifting equipment, domestic circuits' appliances, and tools.

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2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
B-BBEE	Broad Base Black Economic Empowerment
SD&L	Supplier Development and Localisation
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team
OEM	Original Equipment Manufacturer
SOW	Scope of work
NDT	Non-Destructive Testing.

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

1. The implementation of this Tender Technical Evaluation Strategy (TTES) will be monitored to ensure compliance with the approved procurement procedures and technical evaluation requirements.

   The following monitoring process will be applied:

2. **Compliance with Evaluation Criteria**

   The Technical Evaluation Team (TET) will ensure that all bids are evaluated strictly against the mandatory and qualitative technical criteria specified in this document.

3. **Independent Evaluation**

Each TET member will independently assess the technical submissions before the consolidation of results to ensure fairness and objectivity.

4. **Verification of Supporting Documentation**

   Submitted documents such as technical proposals, experience records, safety plans, and quality documentation will be verified to confirm compliance with the tender requirements.

5. **Consolidation of Evaluation Results**

   Individual evaluation scores will be consolidated and reviewed during a formal TET evaluation meeting to ensure consistency in scoring and interpretation of criteria.

6. **Record Keeping and Audit Trail**

   All evaluation records, scoring sheets, and supporting documentation will be maintained for audit and governance purposes.

7. **Approval and Oversight**

   The final technical evaluation results will be submitted to the relevant procurement authority or evaluation committee for review and approval before proceeding to the tender awarding stage.

2.7 RELATED/SUPPORTING DOCUMENTS

[1] 240-48929482: Tender Technical Evaluation Procedure

3. TENDER TECHNCIAL EVALAUTION 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 mandatory requirements are the gate keepers and minimum qualitative weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%. Suppliers who will not meet the mandatory requirements will be disqualified and not considered for further evaluation.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Hlono Malatsi	Mechanical Senior Advisor
TET 2	Keoagile Kgaladi	System Engineer
TET 3	Siboniso Dladla	BOP Maintenance Manager
TET 4	Mzoliswa Mfungula	Maintenance Senior Supervisor

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Contractor must demonstrate proven experience in refurbishment or maintenance of evaporators, heat exchangers, or similar thermal process equipment within the last five (5) years. Minimum of two (2) completed projects required.	Company Experience Schedule / Reference Project List	Ensures the Contractor has relevant technical expertise and practical experience in handling evaporator refurbishment work.
2.	Contractor must submit a detailed refurbishment methodology covering dismantling, inspection, repair, reassembly, testing, and commissioning of the evaporator system.	Technical Proposal / Method Statement	Ensures the Contractor clearly understands the scope of work and has a structured approach to execute the refurbishment safely and efficiently.
3.	Contractor must submit a Health, Safety, and Environmental (HSE) Management Plan including risk assessment and mitigation measures.	SHEQ Documentation	Ensures compliance with safety regulations and safe execution of refurbishment activities in an industrial plant environment.
4.	Contractor must provide qualifications and experience of key personnel including Mechanical Technician, Welding Technician/Project Manager and Site Supervisor. ***Note: welding technician must be NDT Welding Certified and trade tested.***	CVs of Key Personnel	Ensures the project will be supervised and executed by suitably qualified and experienced personnel.

5.	Contractor must provide evidence of quality management procedures or a Quality Management System (ISO 9001 Certified or equivalent).	Quality Assurance Plan / ISO 9001 Certification	Ensures refurbishment work is carried out in accordance with recognized quality standards and controlled processes.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Weighting (%)
1.	Previous Experience	The company must submit a list of previous work experience on welding, fabrication, refurbishment of mechanical evaporators and plant maintenance. ***Note: Proof must be submitted in a form of contract numbers, completion certificates and purchase/task orders with verifiable contact details for each submission***		**20%**
		6 to 10 years' Experience	100	
		3-5 years' Experience	80	
		1-2 years' Experience	40	
		No submission/ experience not related to the SOW/ Less than 1 years' Experience	0	
2.	Supplier's Facilities	Provide evidence of tenderer's capability to refurbish mechanical evaporators and associated components as detailed in the scope of work document.		**40%**
		Proof of workshop ownership, a Company Profile with Pictures of the Company Workshop and physical address must be provided.	100	

		Proof of agreement, a Company Profile with Pictures of the Company Workshop and physical address must be provided.	80	
		No proof submitted	0	
3.	Method statement	Provide a typical method statement for the refurbishment scope of work. The method statements must detail how the tenderer proposes to execute the works. The method statement must include, as a minimum, the following activities: 1) Mechanical evaporator and associated components refurbishment 2) Pump refurbishment 3) Motor refurbishment 4) Commissioning of mechanical evaporators ***Note: Proof must be submitted in a form of contract numbers, completion certificates and purchase/task orders with verifiable contact details for each submission with the method statement.***		**30%**
		Method statement covers all four (i.e., 4) of the minimum high-level requirements	100	
		Method statement covers 1 – 2 of the minimum high-level requirements	80	
		Method statement covers none of the minimum high-level requirements	40	
		No submission	0	

4	Project schedule	Provide a detailed, logical, project schedule including the following the start and estimated duration of each activity. The project programme must include the following activities: 1) Removal of equipment from site 2) Mechanical evaporator and associated components refurbishment 3) Pump refurbishment 4) Motor refurbishment 5) Return of equipment to site		**10%**
		Project schedule including all activities and completion of project within 8 weeks	100	
		Project schedule including all activities and completion of project within 10 weeks or more	80	
		Project schedule including all activities and completion of project within 12 weeks or more	40	
		Project schedule including all activities and completion of project within 16 weeks or more	0	
				TOTAL: 100%
Overall minimum threshold for qualification (70%)				

3.6 TET MEMBER RESPONSIBILITIES

The Technical Evaluation Team (TET) members are responsible for evaluating the submitted bids against the mandatory and qualitative technical criteria defined in this tender.

Each TET member will independently review and score the bids before the scores are consolidated during the evaluation meeting.

- P/F = Pass or Fail assessment for mandatory criteria
- X = Scoring responsibility for qualitative (weighted) evaluation criteria

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	P/F	P/F	P/F	P/F
2	P/F	P/F	P/F	P/F
3	P/F	P/F	P/F	P/F
4	P/F	P/F	P/F	P/F
5	P/F	P/F	P/F	P/F
Qualitative 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
4	X	X	X	X

3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	No alternative tender will be acceptable at tender stage.
2.	Minor deviations in the proposed refurbishment methodology may be accepted provided they do not affect equipment performance, safety, or compliance with the employer's specifications.
3.	Minor adjustments to the proposed project schedule may be accepted where they do not impact the overall plant shutdown duration or project completion date.
4.	Use of equivalent materials or spare parts may be accepted subject to technical approval and proof that they meet or exceed the original equipment manufacturer (OEM) specifications.

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Exclusions of scope specified in the employer's requirements
2.	Exclusions of scope specified in the employer's requirements.
3.	Lack of proven experience in evaporator or similar heat transfer equipment refurbishment.
4.	Inadequate technical methodology that does not address key refurbishment activities such as inspection, repair, pressure testing, and commissioning.
5.	Proposed equipment, materials, or components that do not meet the specified technical standards or OEM requirements.

3.7.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Acceptance of deviation with technical qualification
2.	Use of equivalent refurbishment techniques where technical justification and supporting documentation are provided

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification not accepted
2.	Exclusion of critical refurbishment activities such as evaporator inspection, tube repair/replacement, pressure testing, or commissioning.
3.	Non-compliance with health, safety, and environmental requirements specified in the tender documents.
4.	Conditional bids that place additional technical obligations or risks on the employer.
5.	Any deviation that compromises equipment performance, reliability, safety, or operational integrity

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Keoagile Kgaladi	System Engineer	
Hlono Malatsi	Mechanical Senior Advisor	
Thabani Mbuyazi	Maintenance Quality Technician	
Siboniso Dladla	Maintenance BOP Line Manager	
Mzoliswa Mfungula	Maintenance Senior Supervisor	

5. REVISIONS

Date	Rev.	Compiler	Remarks
27/11/2025	1	Hlono Malatsi	

6. DEVELOPMENT TEAM

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

Keoagile Kgaladi

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7. ACKNOWLEDGEMENTS

N/A