

Title: **Kusile Power Station Tender Technical Evaluation Strategy – Boiler Washing, Station Vacuuming and Cleaning of Inaccessible Areas**

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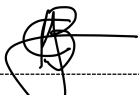
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1. Introduction

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 Boiler Internal washing, station cleaning, vacuuming and cleaning of Inaccessible areas contract.

2. Supporting Clauses

2.1 Scope

This document describes the technical evaluation criterion, team members and requirements for Kusile Boiler Internal washing, station cleaning, vacuuming, and cleaning of Inaccessible areas during Outages 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 Boiler Washing, Station Vacuuming and Cleaning of Inaccessible Areas 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

- [1] 240-48929482: Tender Technical Evaluation Procedure
- [2] 240-44682850: PCM - Provide Engineering During Project Sourcing
- [3] 2-1033: Eskom Procurement and Supply Chain Management Policy
- [4] 32-1034: Eskom Procurement and Supply Management Procedure

2.2.2 Informative

- [5] 474-59: Internal Audit Procedure

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[6] ISO 9001 Quality Management Systems

2.3 Definitions

2.3.1 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.

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

2.3.3 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

2.5.1 Engineering Manager: Is responsible for ensuring that all staff, in their respective areas understand and adhere to this tender technical evaluation strategy.

2.5.2 Plant Engineer: The engineer is responsible to manage the execution and adherence to the Tender Technical Evaluation procedure and strategy.

2.5.3 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 (240-48929482).

3.2 TET Members

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Musa Ngwane	Boiler Engineer
TET 2	Nomusa Madonda	Senior Advisor Outage Planning
TET 3	Pogiso Mavuso	Senior Advisor Outage Coordination

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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.	Critical Equipment	HP Plant with minimum pressure of 1000 bars Certificates to clearly show operating pressure. Roadworthy certification Note: Internet downloads will not be accepted	Critical equipment required for scope execution
2.	Accreditations	ISO 9001:2015 Certified (Provide valid certificate) ISO 14001: 2015 Certified (Provide Valid Certificate) Note (Both Certificates required as mandatory)	Certifications demonstrate company’s adherence to safety standards and industry best practices. ISO 14001:2015 demonstrates company’s adherence to environmental standards for disposal of waste collected onsite.

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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 / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Company Experience & Records	<p>1. Provide Previous Boiler High Pressure Washing Purchase/Task Order/Contract number executed successful. Provide BU/Company name, Contact Person and provide Employer Assessment corresponding/Correlating with the Purchase/Task Order(s) with the traceable number(s). Any NCR issued and how was it resolved.</p> <p>2. Proven Records: Contract numbers & Contract copies showing SOW, Purchase order number, signed completion certificates of work in relation to station cleaning or similar scope. All must be Submitted with a summary and contactable references.</p> <p>Proof Years of experience</p> <p>(1+ to 2 years) - 10%;</p> <p>(2+ to 3 years)- 20%;</p> <p>(4+ years -) 30%</p>	30%	

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2.	Experience ok Key Personnel			20%	-
	2.1	<p>Site Manager Boiler pressure washing related experience 5+ years' experience Safety: Legal liability training Safety: Confine space Training</p>	Submit a CV with traceable reference; the CV must be accompanied by certified copies of training certificates.	5	
	2.2	<p>Site Supervisor Boiler high pressure washing experience 3+ years' experience Safety: Legal liability training Safety: Confine space Training</p>	Submit a CV with traceable reference; the CV must be accompanied by certified copies of training certificates.	5	
	2.3	<p>Site Supervisor Station General cleaning related experience 3+ years' experience Safety: Legal liability training Safety: Confine space Training Safety: Working at heights</p>	Submit a CV with traceable reference; the CV must be accompanied by certified copies of training certificates.	5	
	2.4	<p>1 x Level 2 Rope access Technician experience 1+ years' experience Safety : Confine space Training Safety: Working at heights</p>	Submit a CV with traceable reference; the CV must be accompanied by certified copies of training certificates	5	
3.	Technical Capability			30%	
	3.1		1.Provide detailed boiler High Pressure washing method statement.		

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		Method Statements & Quality Control Plans	<p>2. Provide method statement and plan for waste removal and disposal for Floor cleaning (Ash and dust), Slurry removal, oil spillages and general cleaning of the following areas:</p> <ul style="list-style-type: none"> • boiler (0m - 112m levels), • Turbine (0m - 16m levels) • BOP (DHP, FGD, Milling plant and PJFFP) <p>3. Signed and completed QCP's for different Outages and Close out Report Signed by the Client and Site clearance certificate for Rope Access/Working at height</p> <p>No Method statement = 0%</p> <p>Basic Method statement = 5%</p> <p>Detailed comprehensive method statement for one scope = 15%</p> <p>Detailed comprehensive method statement for both scopes = 30%</p>		
4.	TOOLS & EQUIPMENT			20%	
	4.1	The Service Provider must have tools to conduct works	<p>Minimum Machinery required (Proof of ownership or lease agreement. The letter should have the Machines' owner authentic letter head and signed)</p> <p>Cleaning Equipment's:</p> <ul style="list-style-type: none"> • Bobcat/TLB, 	20%	

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			<ul style="list-style-type: none"> • 10 Cube Tipper & • Vacuum Truck with 10 bar suction pressure and Tank capacity of 10 000 cubic litres or more. <p>(Proof of ownership/Road worthy Certificate or lease agreement. The letter should have the Machines' owner authentic letter head and signed)</p> <p>No equipment = 0% 50% Equipment = 10% All Equipment = 20%</p>		
				TOTAL: 100%	

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3.5 TET Member Responsibilities

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3
1.1	X	X	X
1.2	X	X	X
1.3	X	X	X
1.4	X	X	X
2.1	X	X	X
2.2	X	X	X
2.3	X	X	X
3.1	X	X	X
4.1	X	X	X
5.1	X	X	X

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3.6 Foreseen Acceptable / Unacceptable Qualifications

3.6.1 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.	
4.	

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

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Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Duplicates / similar CV's are submitted for different tenderers – procurement department must decide on the way forward before the condition can be accepted or rejected.

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4. Authorisation

This document has been seen and accepted by:

Name	Designation	Signature
Nomusa Madonda	Senior Advisor Outage Planning	
Mdu Ngwenya	Planning Manager	
Musa Ngwane	Boiler System Engineer	
Ntsiki Hlapisi	Outage Execution Manager	
Siyakudumisa Mtsweni	Boiler Line Manager	
Grace Olukune	Engineering Manager	

5. Revisions

Date	Rev.	Compiler	Remarks
September 2020	01	M Ngwane	Original document

6. Development Team

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

Musa Ngwane

Nomusa Madonda

Mdu Ngwenya

7. Acknowledgements

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