

Title: **Tender Technical Evaluation
Strategy for Fuel Oil
Maintenance Contract**

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1. INTRODUCTION

The purpose of the fuel oil plant is to provide the boilers with fuel oil for lighting up and for maintaining stable firing conditions during the early stages after lighting up, during mill changes and during shutting down of a mill and the unit. Fuel oil is also used to stabilise the furnace during any transient conditions that may arise.

The aim of the fuel oil maintenance contract is to increase the personnel at the fuel oil maintenance department (FOB) for a period of 60 months, in order to effectively execute the preventative maintenance strategy that include both outage and non-outage tasks on the fuel oil plant.

The scope of work details the requirement for the following personnel:

- 1 x supervisor
- 1 x planner
- 1 x quality control officer
- 6 x mechanical artisan
- 4 x electrical artisan
- 3 x C&I artisan

2. SUPPORTING CLAUSES

2.1 SCOPE

This document details the strategy that will be used to perform the technical evaluation of all tenders submitted to perform on the fuel oil plants at Matla Power Station. The technical evaluation requirements consist of the following criteria:

- Qualitative Evaluation Criteria
- Acceptable / Unacceptable Qualifications

2.1.1 Purpose

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

2.1.2 Applicability

This document is applicable to the fuel oil plants at Matla 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] 240-168966153: Generation Tender Technical Evaluation Procedure

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

2.2.2 Informative

Not applicable

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2.3 DEFINITIONS

None

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
C&I	Control and instrumentation
CV	Curriculum vitae
FOB	Fuel oil maintenance department
NQF	National qualifications framework
QCP	Quality control plan
TET	Technical evaluation team

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure for Generation.

2.6 PROCESS FOR MONITORING

This procedure shall be monitored by 240-53114190: Internal Audit Procedure.

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
- [5] 240-106871290: Technical Evaluation Team Member Appointment Letter 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%.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation

The technical evaluating members (TET) are appointed by the authorized manager.

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Not applicable

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Technical Evaluation Scoring Table

Score	(%)	Definition
5	100	COMPLIANT <ul style="list-style-type: none"> Meet technical requirement(s) AND; No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS Meet technical requirement(s) with; <ul style="list-style-type: none"> Acceptable technical risk(s) AND/OR; Acceptable exceptions AND/OR; Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none"> 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
<p>Note 1: The scoring table does not allow for scoring of 1 and 3.</p> <p>Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.</p>		

Table 2: Qualitative Technical Evaluation Criteria

Qualitative Technical Criteria Description		Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Scale			
					0	2	4	5
1. Company Capability and Experience			20					
1.1	Experience	Submit a list of previously completed fuel oil plant maintenance work on Eskom power stations in years. Document showing number of years executing maintenance work on Eskom fuel oil plants by the contractor. Minimum experience – 3 years. The document shall include the following: <ul style="list-style-type: none"> • Name of the client/end user • Verifiable Contact details of the client/end user • Description of the job done • Date at which the job was done • Duration of the work done. 		50	No maintenance work executed on Eskom fuel oil plants	3-4 years maintenance work executed on Eskom fuel oil plants	Greater than 4 but less than 5 years maintenance work executed on Eskom fuel oil plants	More than 5 years maintenance work executed on Eskom fuel oil plants
1.2	Method statement	Method statement shall cover the following activities on the fuel oil plant: <ol style="list-style-type: none"> 1. Disassembly, refurbishing and testing of fuel oil atomizers [5 Points] 2. Disassembly, refurbishing and testing of spark ignited gas 		50	No method statement submitted Or Method statement score is less	Method statement score is less than 11 but greater than 5 points.	Method statement score is less than 20 but greater than or equal to 10 points.	Method statement score is 20-25 points

			igniters [5 Points] 3. Disassembly, refurbishing and testing of fuel oil lances [5 Points] 4. Removal and refurbishing of oil burner core air swirlers [5 Points] 5. Disassembly, refurbishing and testing of fuel oil blocks [5 Points] Minimum requirement – Method statement score is less than 11 points (Not greater than 40%).			than 6 points			
2.	Technical Resources			65					
	2.1	Supervisor	3 to 4 years supervisory industrial maintenance experience with mechanical N6 Diploma (NQF level 6) and trade test. Minimum experience - 3 years. Submit the certificate (copy) of the highest qualification and the CV demonstrating the relevant experience with trade test certificate.		30	None responsive Or Industrial maintenance supervisory experience of less than 3 years with relevant N6 qualification	Industrial maintenance supervisory experience of 3-4 years with relevant N6 qualification	Industrial maintenance supervisory experience of 4-5 years with relevant N6 qualification	Industrial maintenance supervisory experience of more than 5 years with relevant N6 qualification
	2.2	Mechanical artisan	3 years industrial maintenance experience with mechanical N3 certificate (NQF level 5) and trade test. Minimum experience - 3 years. Submit the certificate (copy) of the highest qualification and the CV demonstrating the relevant experience with trade test		20	None responsive Or less than 3 years maintenance experience with relevant	Industrial maintenance experience of 3-4 years with relevant N3 qualification	Industrial maintenance experience of 4-5 years with relevant N3 qualification	Industrial maintenance experience of more than 5 years with relevant N3 qualification

			certificate.			N3 qualification			
	2.3	Electrical artisan	3 years industrial maintenance experience with electrical N3 certificate (NQF level 5) and trade test. Minimum experience - 3 years. Submit the certificate (copy) of the highest qualification and the CV demonstrating the relevant experience and trade test certificate.		20	None responsive Or less than 3 years maintenance experience with relevant N3 qualification	Industrial maintenance experience of 3-4 years with relevant N3 qualification	Industrial maintenance experience of 4-5 years with relevant N3 qualification	Industrial maintenance experience of more than 5 years with relevant N3 qualification
	2.4	Control & Instrumentation artisan	3 years industrial maintenance experience with relevant N4 certificate (NQF level 5) and trade test. Minimum experience - 3 years. Submit the certificate (copy) of the highest qualification and the CV demonstrating the relevant experience and trade test certificate.		30	None responsive Or less than 3 years Industrial maintenance experience with relevant N4 qualification	Industrial maintenance experience of 3-4 years with relevant N4 qualification	Industrial maintenance experience of 4-5 years with relevant N4 qualification	Industrial maintenance experience of more than 5 years with relevant N4 qualification
3.	Quality Management Plan			15					
	3.1	Quality control plan	Method statement shall cover the following activities on the fuel oil plants: 1. Disassembly, refurbishing and testing of fuel oil atomizers [5 Points] 2. Disassembly, refurbishing and		100	No QCP submitted	QCP submitted, covering less than 11 points but greater than	QCP submitted, covering less than 20 but greater than 10	QCP submitted, covering between 20-25 points of the method

			testing of spark ignited gas igniters [5 Points] 3. Disassembly, refurbishing and testing of fuel oil lances [5 Points] 4. Removal and refurbishing of oil burner core air swirlers [5 Points] 5. Disassembly, refurbishing and testing of fuel oil blocks [5 Points] Minimum requirement – QCP submitted but covering less than 11 but greater than 5 points of the method statement.				5 points of the method statement	points of the method statement	statement.
				TOTAL: 100					

3.5 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
Qualitative Criteria Number	TET 1	TET 2
1.1	X	X
1.2	X	X
2.1	X	X
2.2	X	X
2.3	X	X
2.4	X	X
3.1	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Foreseen Acceptable Qualifications

Table 4: Acceptable Technical Risks/ Exceptions / Conditions

Risk	Description
1.1	Acceptable if the company has demonstrated maintenance work executed on Eskom fuel oil plants is more than 4 years.
1.2	Acceptable if the method statement score is greater or equal to 15 points.
2.1	Acceptable if the supervisor has industrial maintenance supervisory experience of greater than 4 years with relevant N6 qualification.
2.2	Acceptable if the mechanical artisan has industrial maintenance experience of greater than 4 years with relevant N3 qualification.
2.3	Acceptable if the electrical artisan has industrial maintenance experience of greater than 4 years with relevant N3 qualification.
2.4	Acceptable if C&I artisan has industrial maintenance experience of greater than 4 years with relevant N4 qualification.
3.1	Acceptable if QCP submitted, greater or equal to 15 points of the method statement.

3.6.2 Foreseen Unacceptable Qualifications

Table 5: Unacceptable Technical Risks/ Exceptions / Conditions

Risk	Description
1.1	Unacceptable if the company fails to demonstrate maintenance work executed on Eskom fuel oil plants is less than 4 years.
1.2	Unacceptable if method statement score is less than 11 points (Not greater than 40%).
2.1	Unacceptable if the supervisor has industrial maintenance supervisory experience of less than 4 years with relevant N6 qualification.
2.2	Unacceptable if the mechanical artisan has industrial maintenance experience of less than 4 years with relevant N3 qualification.
2.3	Unacceptable if the electrical artisan has industrial maintenance experience of less than 4 years with relevant N3 qualification.
2.4	Unacceptable if the C&I artisan has industrial maintenance experience of less than 4 years with relevant N4 qualification.
3.1	Unacceptable QCP submitted, but covering less than 11 points (Not greater than 40%) of the method statement.

4. AUTHORISATION

This document has been seen and accepted by:

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5. REVISIONS

Date	Rev.	Compiler	Remarks
January 2024	0	T. Padayachee	New document

6. DEVELOPMENT TEAM

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

Theo Padayachee

7. ACKNOWLEDGEMENTS

None

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