Eskom	Kriel Power Station Strategy	Engineering

Title: **Tender Technical Evaluation Strategy for supply and delivery of various filters contract**

Unique Identifier:

Alternative Reference Number: **N/A**

Area of Applicability: **Kriel Power Station**

Documentation Type: **Strategy**

Revision: **0**

Total Pages: **11**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

Compiled by	Functional Responsibility	Authorised by
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Date: 20/07/2024	Date: 20/07/2024	Date: 20/07/2024

CONTENTS

Page

LIST OF TABLES

1 INTRODUCTION

Kriel Power Station uses various filters in station for the purpose of purifying process flow such as oil, water and air. This document states the technical evaluation criteria for the supply of various filters for Kriel Power Station.

2 SUPPORTING CLAUSES

2.1 SCOPE

The scope for this document covers the technical evaluation criteria for the supply of various filters for Kriel Power Station.

This document is to be read in conjunction with the scope of work for supply and delivery of various filters at Kriel power station as and when required.

2.2 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. This document will also provide a guideline as to what technical tender returnables are expected and how to technically assess each tender returnable by providing acceptable and unacceptable criteria's.

2.2.1 Applicability

This document is applicable to Eskom Kriel Power Station, Tender Evaluation Team for the supply of various filters for Kriel Power Station.

2.2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.3 Normative

[1] ISO 9001 Quality Management Systems.

[2] ISO 12500-1: Testing of coalescing filters for aerosol removal performance.

[3] ISO 12500-2: Vapor removal capacity of absorption filters.

[4] ISO 12500-3: Requirements to test particulate filters for solid contaminant removal.

[5] 240-48929482: Tender Technical Evaluation Procedure

[6] 240-53716712: Tender Technical Evaluation Results Form Template

[7] 240-53716726: Tender Technical Evaluation Scoring Form Template

2.2.4 Informative

[8] Technical Specification for the Supply of Mobile Turbine Oil Purifiers for Kriel Power Station.

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Table 1: Abbreviations

Abbreviation	Description
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure.

2.6 PROCESS FOR MONITORING

As per 240-48929482: Tender Technical Evaluation Procedure.

2.7 RELATED/SUPPORTING DOCUMENTS

Refer section 2.2.

2.8 PREREQUISITES

All personnel on the technical tender evaluation team must be familiar with this document before the tender evaluation can proceed.

2.9 PRECAUTIONS AND LIMITATIONS

N/A

3 TENDER TECHNCIAL EVALUTION STRATEGY

A weighted score-card approach is used to evaluate the technical compliance of the tenders against the technical specifications. Tenderers need to have a minimum weighted score of 80% overall or more to be deemed technically suitable. A minimum threshold of 80% is recommended instead of 70% as per Tender Technical Evaluation Procedure 240-48929482, this is to minimise the risk of supplier complying with technical threshold while not complying with technical specifications for filters to be supplied.

3.1 TECHNICAL EVALUATION TEAM

Table 2: TET Members

TET Number	Evaluator's name	Role and responsibility	Designation
TET 1	F Mariba	All Technical Tender Evaluation Criteria	Senior Engineer
TET 2	T Ndlovu	All Technical Tender Evaluation Criteria	System Engineer
TET 3	S Kamnqa	All Technical Tender Evaluation Criteria	Technician

3.2 GATE KEEPERS

3.2.1 Procurement department advised that Gate Keepers need be to legislative. There are no legislative requirements hence there are no Gate Keepers.

3.3 TENDER RETURABLES FOR TECHNICAL EVALUATION

3.3.1	Provide absolute filter mesh size and β_x ratio specification.
3.3.2	Provide dirty holding capacity of the filters specification.
3.3.3	Provide service life specification of the filters.
3.3.4	Provide maximum filter differential pressure specification.
3.3.5	Supplier to issue details of filter manufacturer and filter specifications.
3.3.6	Provide evidence of ISO9001 certification or equivalent.
3.3.7	Supplier to provide verifiable proof of previous purchase orders.
3.3.8	Supplier to provide evidence of conformance to ISO 12500-1: Testing of coalescing filters for oil aerosol removal performance.
3.3.9	Supplier to provide evidence of conformance to ISO 12500-2: Quantifies vapour removal capacity of absorption filters.
3.3.10	Supplier to provide evidence of conformance to ISO 12500-3: Requirements to test particulate filters for solid contaminant removal

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

The table below should be used in conjunction with scope of work to supply and deliver various filters to Kriel Power Station.

Technical Evaluation Criteria		Weighting [%]	0/5	2/5	4/5	5/5
3.4.1	Provide Absolute filter mesh size and β_x ratio specification for any 5 material items marked with (***) on the scope of work document.	10	No submission	Submitted 2 or 3 verifiable proof of absolute filter mesh size and βx ratio specification	Submitted 4 verifiable proof of absolute filter mesh size and βx ratio specification	Submitted 5 verifiable proof of absolute filter mesh size and βx ratio specification
3.4.2	Provide Dirty holding capacity specification for any 5 material items marked with (***) on the scope of work document.	10	No submission	Submitted 2 or 3 verifiable proof of dirty holding capacity of the filters specification	Submitted 4 verifiable proof of dirty holding capacity of the filters specification	Submitted 5 verifiable proof of dirty holding capacity of the filters specification
3.4.3	Provide Service life specification for any 5 material items marked with (***) on the scope of work document.	10	No submission	Submitted 2 or 3 verifiable proof of service life specification for filters	Submitted 4 verifiable proof of service life specification for filters	Submitted 5 verifiable proof of service life specification for filters
3.4.4	Provide maximum filter differential pressure specification for any 5 material items marked with (***) on the scope of work document.	10	No submission	Submitted 2 or 3 verifiable proof of maximum filter differential pressure specification	Submitted 4 verifiable proof of maximum filter differential pressure specification	Submitted 5 verifiable proof of maximum filter differential pressure specification
3.4.5	Supplier to issue details of filter manufacturer and filter specifications for any 5 material items marked with (***) on the scope of work document.	10	No submission	Submitted 2 or 3 verifiable proof of filter manufacturer details and filter specifications	Submitted 4 verifiable proof of filter manufacturer details and filter specifications	Submitted 5 verifiable proof of filter manufacturer details and filter specifications

3.4.6	Provide evidence of ISO9001 certification or equivalent	10	No submission	-	-	ISO9001 certification or equivalent
3.4.7	Supplier to provide verifiable proof of previous purchase orders related to supply of filters.	10	No submission	Submitted 2 or 3 purchase orders.	Submitted 4 purchase orders.	Submitted 5 purchase orders.
3.4.8	Provide evidence of conformance to ISO 12500-1: Testing of coalescing filters for oil aerosol removal performance.	10	No submission	-	-	Submitted proof of conformance to ISO 12500-1: Testing of coalescing filters for oil aerosol removal performance
3.4.9	Provide evidence of conformance to ISO 12500-2: Quantifies vapour removal capacity of absorption filters for air filters.	10	No submission	-	-	Submitted proof of conformance to ISO 12500-2: Quantifies vapour removal capacity of absorption filters for air filters.
3.4.10	Provide evidence of conformance to ISO 12500-3: Requirements to test particulate filters for solid contaminant removal for air filters.	10	No submission	-	-	Submitted proof of conformance to ISO 12500-3: Requirements to test particulate filters for solid contaminant removal for air filters.
	TOTAL	**100%**				
NB: A minimum total of 80 % is required in this section to be deemed technical suitable.						

3.5 TET MEMBER RESPONSIBILITY

Mandatory/ Gate Keeper as per Section 3.4	TET 1	TET 2	TET 3
N/A			
Qualitative Criteria number as per Section 3.4			
3.4.1	X	X	X
3.4.2	X	X	X
3.4.3	X	X	X
3.4.4	X	X	X
3.4.5	X	X	X
3.4.6	X	X	X
3.4.7	X	X	X
3.4.8	X	X	X
3.4.9	X	X	X
3.4.10	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

Table 4: Acceptable Technical risk

Risk	Description
1	None.

Table 5: Unacceptable Technical risk

Risk	Description
1	Deviating from standard and specification captured in the technical specification for supply of various filters for Kriel Power Station.
2	Incomplete information supplied.

4 TECHNICAL EVALUATION SCORING GUIDE

Compliant tenders will be evaluated against a set of weighted qualitative evaluation criteria. The evaluation criteria has been broken down into sections and the percentage weighting for each section is provided. The supplier must ensure all the required returnable documents are contained in their submission.

Table 6: Risk scoring

Technical evaluation		
Score	**%**	**Definition**
5	**100**	COMPLIANT • Meet technical requirement (s) AND; • No foreseen technical risks(s) in meeting technical requirements.
4	**80**	COMPLIANT WITH ASSOCIATED QUALIFICATIONS Meet technical requirements(s) with; 1. Acceptable technical risk(s) AND/OR; 2. Acceptable exceptions AND/OR; **3.** 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

5 AUTHORISATION

This document has been seen and accepted by

Name	Designation
Fulufhelo Mariba	Senior Engineer
Thulani Ndlovu	System Engineer
Sindiso Kamnqa	Technician
Thembelani Ndlumbini	Turbine Plant Engineering Manager

6 REVISIONS

Date	Rev.	Compiler	Remarks
July 2024	0	Fulufhelo Mariba	

7 DEVELOPMENT TEAM

Fulufhelo Mariba

Thulani Ndlovu

Sindiso Kamnqa

8 ACKNOWLEDGEMENTS

None.