

	Strategy	Kusile Power Station
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Title: Kusile Power Station Tender
Technical Evaluation Strategy for the Supply and delivery of Pulse Jet Fabric Filter Plants Cages

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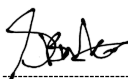
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1. Introduction

This Technical evaluation strategy report is for Pulse Jet Fabric Filter cages for Kusile Power Station as per specification indicated in the scope. The cages are for fitting as necessary as installed cages become defective due to repeated installation during fabric filter bag changes.

2. Supporting Clauses

2.1 Scope

The minimum scope requirement is the manufacture and supply of filter bag cages according to the specification and requirements stipulated in the enquiry.

The scope of supply includes the following:

- a) Detailed design and engineering
- b) Manufacture of bags in South Africa.
- c) Supply and delivery to site

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

This document shall apply to Kusile Power Station.

2.1.3 Effective date

This document shall be effective as of authorisation date.

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 Policy
- [3] ISO 9001 Quality Management Systems

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2.2.2 Informative

Not applicable.

2.3 Definitions

N/A

2.4 Abbreviations

Abbreviation	Explanation
B-BBEE	Broad Base Black Economic Empowerment
PJFFP	Pulse Jet Fabric Filter Plant
SD&L	Supplier Development and Localisation
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

2.5 Roles and Responsibilities

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 Process for Monitoring

N/A

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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%. Suppliers who will obtain scores below minimum threshold will not be considered for further evaluations but will be disqualified.

3.1.1 TET members

TET number	TET Member Name	Designation
TET 1	Nontobeko Moyo	System Engineer
TET 2	Nthabiseng Tsosane	System Engineer
TET 3	Hendre Grobbelaar	Snr Consultant, Engineering
TET 4	Isaac Netshiozwi	Outage co-ordinator
TET 5	Musa Ngwane	Senior Engineer

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3.2 MANDATORY TECHNICAL EVALUATION CRITERIA

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Cage fabrication drawing proving compliance to cage specification and <i>Employer's</i> cage general arrangement drawing	Drawing Number 366-263277 Medupi Kusile Cage Specification 474-11972	Contractor must provide assurance that they can develop supplied drawing into a manufacturing drawing
2.	Ability to produce sample cage: conformance to <i>Employer's</i> design. Picture of cage to be submitted, workshop visits to be scheduled for sample inspection	Drawing Number 366-263277 Medupi Kusile Cage Specification 474-11972	Product must be fit for purpose
3.	Experience in the supply and delivery of filter cages in the past 5 years to Eskom	Provide a list or order numbers	Must have adequate experience in the supply and delivery of filter cages

3.3 QUALITATIVE TECHNICAL EVALUATION CRITERIA

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Functional design		Medupi Kusile Cage Specification 474-11972	30	
	1.2	Dimensional tolerances	Item 3.3		40

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	1.3	Data sheet	Item 3.5.4 & Appendix A.2		60
2.	Storage plan		Medupi Kusile Cage Specification 474-11972	10	
	2.1	Packaging details	Item 3.5 and Drawing Number 366-263277		85
	2.2	Storage requirements	Item 3.5		15
3.	Welding		Medupi Kusile Cage Specification 474-11972	25	
	3.1	Welding inspection and test plan (ITP) (Applicable to the cage manufacturing, Not generic)	Item 3.2		20
	3.2	Welding procedures-Method Statement (Applicable to the cage manufacturing, Not generic)	Item 3.2		80
4.	Schedule		Medupi Kusile Cage Specification 474-11972	10	
	4.1	Lead time for cage production including venturi (Full set for Kusile)	7 Weeks = 10, 6 Weeks = 20, 5 Weeks = 30, 4 Weeks = 40, 3 Weeks = 50		50
	4.2	Production capacity including venturi (Per day)	200=10, 300=20, 400=30, 500=40, 600=50		50

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5.	5.1	Experience in the supply and delivery of filter cage	15 points per order	25	70
	5.2	Experience in the supply and deliver of filter cages to Kusile/Medupi Power Station	Yes = 30 points No = 0 points		30
				TOTAL: 100	

3.4 TET MEMBER RESPONSIBILITY

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5
1. Cage fabrication drawing	X	X	X	X	X
2. Ability to produce sample cage	X	X	X	X	X
3. Experience in the supply and delivery of filter cages in the past 5 years to Eskom	X	X	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5
1. Functional design	X	X	X	X	X
2. Storage plan	X	X	X	X	X

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3. Welding	X	X	X	X	X
4. Schedule	X	X	X	X	X

3.5 FORSEEN ACCEPTABLE/UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

Table 1: Acceptable Technical Risks

Risk	Description
1.	Alternate offers
2.	
3.	
4.	
5.	
6.	
7.	

Table 2: Unacceptable Technical Risks

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Risk	Description
1.	Performance guarantees not being met.
2.	Delivery schedule for non-spare/contingency units not being met
3.	
4.	
5.	
6.	
7.	

3.5.2 Exceptions / Conditions

Table 3: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Not applicable
2.	
3.	
4.	
5.	

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6.	
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Table 4: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Product will not be accepted as it could lead to environmental non-compliance, increase production losses and life cycle cost.
2.	
3.	
4.	
5.	
6.	

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4. Acceptance

This document has been seen and accepted by:

Name	Designation
Siyakudumisa Mtsweni	Boiler Engineering Manager
Grace Olukune	Engineering Group Manager
Ebrahim Patel	Senior Consultant

5. Revisions

Date	Rev.	Compiler	Remarks
May 2024	1	N Moyo	New tender documentation
May 2025	2	N Moyo	Document revision

6. Development Team

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

- Nontobeko Moyo
- Nthabiseng Tsosane

7. Acknowledgements

N/A

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