

Title: **Tender Technical Evaluation
Strategy for fabric filter plant
bags and cages Installation**

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1. INTRODUCTION

The Tender Technical Evaluation strategy defines the mandatory and qualitative evaluation criteria that serve as a basis for the tender evaluation process. Various tender returnable will be evaluated based on the qualitative criteria specified in this document, and the tenderers meeting the minimum threshold will be considered further.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the various technical aspects to be evaluated by the Tender Evaluation Team (TET) for the required manpower on the Fabric Filter Bag and Cages installation at Hendrina Power Station. The scope includes the following:

1. Site Establishment for bag change.
2. Medicals and inductions part of site establishment.
3. Contractor to transport Bags to boiler using vehicle (Part of Site establishment).
4. Contractor to move bags from bottom of dust hoppers to Top of FFP plant (Part of site establishment).
5. Contractor to remove rotating manifold arms on all 8 modules (LH and RH) to provide access to the bags and cages
6. Contractor to carry out cages removal on all 8 modules (LH and RH) with the use of specialised bag tools such as a spikes, small forks and big forks to be made available by the Contractor.
7. Contractor to carry out bag removal on all 8 modules (LH and RH)
8. Contractor to carry out bag and cage Replacement on all the 8 modules (LH and RH). High temperature bags (PPS) and cages to be supplied by Eskom.
9. Contractor to remove old bags and cages to the bottom level.
10. Contractor to Dispose all the removed bags and cages. Contractor to supply the environmental bins.
11. Contractor to provide proof of FFP bags disposal site certificate.
12. Contractor to supply lime for coating of the bags which will be utilized during commissioning phase of the plant.
13. Contractor to apply lime to the bags during commissioning of the unit.
14. Contractor to open and close the inspection door seal. Replace inspection door seal. Seal to be supplied by Contractor.
15. Final Inspection to ensure that there is no debris around the plant (Good Housekeeping).
16. Site De-establishment.

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.

2.2 NORMATIVE/INFORMATIVE REFERENCES

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

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2.2.1 Normative

- [1] 240-168966153 Generation Tender Technical Evaluation Procedure
- [2] 240-56244749- Fabric Filter Plant Operational Procedure
- [3] 240-53113965- Fabric Filter Plant Bag Specification
- [4] 240-56245830- Compressed Air Plant and Associated Equipment For Fabric Filter Plant Pulse Air Cleaning Standard
- [5] QM-58 Supplier Contract Quality Requirements Specifications
- [6] 240-105691858 Materials Management Safe Work Procedures Transportation Requirements for Material Handling

2.2.2 Informative

- [7] ISO 9001 Quality Management Systems
- [8] 32-1-34 Eskom Procurement Policy

2.3 DEFINITIONS

Term	Definition
Employer	The organization (Eskom) to which the supplier will be contracted for this tender and contracts that may result therefrom
Employer's Premises	Hendrina Power Station
Industrial Storage Facility	Physical space suitable for the storage of the items specified in the scope of work
Spares	Parts that can be used for replacement

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
ISO	International Organisation of Standardisation
NEC	New Engineering Contract
OEM	Original Equipment Manufacturer
QCP/QIP	Quality Control Plan / Quality Inspection Plan
PS	Power Station
SABS	South African Bureau of Standards
SOW	Scope of Work
TET	Technical Evaluation Team
FFP	Fabric Filter Plant

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RP	Responsible Person
PSR	Plant Safety Regulation

2.5 ROLES AND RESPONSIBILITIES

As per 240- 168966153: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

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 TABLE 1: TECHNICAL SCORING METHODOLOGY

SCORING (%)	DESCRIPTION
100	COMPLIANT <ul style="list-style-type: none">• Meet the technical requirement(s) AND,• No foreseen technical risk(s) in meeting technical requirements
80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none">• Meet the technical requirement(s) with,• Acceptable technical risks AND/OR;• Acceptable exceptions AND/OR;• Acceptable conditions
40	NON-COMPLIANT <ul style="list-style-type: none">• Does not meet the technical requirement(s) AND/OR Unacceptable technical risk(s) AND/OR;• Unacceptable exceptions AND/OR;• Unacceptable conditions
0	TOTALLY DEFICIENT/NON-RESPONSIVE

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3.3 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Moyahabo Maoto (EDWL)	System Engineer
TET 2	Nqatyiswa Nkabinde	Project Co-Ordinator
TET 3	Thabang Babedi	Draught Plant System Engineer
TET 4	Thalitha Mogola-Tshesane	Technician- Maintenance
TET 5	Given Mokoena	Outage Co-Ordinator

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3.4 MANDATORY TECHNICAL EVALUATION CRITERIA

Mandatory technical evaluation criteria (gatekeepers) are a meet criteria. These criteria shall not be weighted or scored but shall be assessed on a yes/no basis as to whether the criteria are not met. an assessment of 'no' against any criteria shall technically disqualify the tender and shall not be further evaluated against qualitative criteria table 3: mandatory technical evaluation criteria. No

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Qualitative Technical Evaluation Criteria

					TOTAL SCORE		
<u>COMPLIANCE TO ESKOM REQUIREMENTS</u>					0		
FABRIC FILTER PLANTS - GENERAL OUTAGE MAINTENANCE					THRESHOLD SCORE (70%)		
		CRITERIA	SUPPLIERS RESPONSE	GUIDELINE NOTES	WEIGHT	ACTUAL SCORE	TOTAL SCORE
1	GENERAL MEASURES				15		Weight x Actual
1.1	Company Profile	Organogram showing company structure from top management down to supervisor level. Names and contact details must be provided for all positions listed.		100% if content satisfies requirements, 40% for provided with insufficient content, 0 for no compliance.	5		
1.2	Risk management	The Service Provider must have a risk identification and management process related to the complete process of performing a bag change.		100% if content satisfies requirements, 80% or 40% for provided with insufficient content, 0% for no compliance.	5		
1.3	Project planning	The Service Provider must have a method statement that indicates how bag change activities will be executed, what resources will be required and what measures will be put in place to execute the task.		100% if content satisfies requirements, 80% or 40% for providing insufficient content, 0% for no compliance.	5		

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2	QUALITY				15		
2.1	Quality control plans	The Service Provider submits a draft Quality Control Plan specific to bag and cage change scope of work.		100% for compliance, 80% or 40% if partially compliant, 0% for no compliance	10		
2.2	Non Destructive Testing Procedures	The Service Provider has NDT Procedures in place.		100% for compliance, 80% or 40% points if partially compliant, 0% for no compliance.	3		
2.3	Welding Procedures	The Service Provider needs to have Welding procedures (WPS and PQR) in place		100% for compliance, 80% or 40% if partially compliant, 0% for no compliance.	2		
3	WORKFORCE				40		
3.2	Supervisor Qualification	The service provider must submit CVs of supervisors as per their organogram with a minimum qualification of N3 plus relevant experience of 3 years.		100% for compliance, 80% for either N3 qualification or 3 years' experience, 40% if partially compliant, 0% for no compliance.	5		
3.3	Welder Qualifications	The service provider must submit at least 4 B class welders qualification, CVs with relevant experience of 3 years.		100% for compliance, 80% for only 3 welders with a minimum of 2 years, 40% for only 1 welders with a minimum of 1 years, 0% for no compliance.	5		
3.4	Fitter/Boilermaker Qualifications	The service provider must submit at least 4 Trade tested Boilermakers with relevant experience of		100% for compliance, 80% for only 3 trade tested with a minimum	10		

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		3 years.		experience of 2 years, 40% for only 1 trade tested with a minimum of experience 1 years, 0% for no compliance.			
3.5	Site Manager	Minimum Qualifications: Mechanical Diploma or mechanical trade test and project management experience of at least five (5) years of industry related business (Welding and fabrication industry)		100% for full compliance, 80% for less than 5 years but greater than 3 years' work experience ,40% for provided with insufficient content, 0% for non-compliance.	20		
4	TOOLS AND EQUIPMENT				5		
4.1	Asset list (Tools and Equipment) e.g spikes, small forks and big forks	The service provider has an asset list describing the tools and equipment it has available to carry out the bag change as per SOW.		100% if asset list indicates sufficient equipment to execute the required work. 80% or 40% representing the available tools and equipment, 0% if no asset list available	5		
5	EXPERIENCE				30		
5.1	Data Packs	The service provider needs to have at least one fully signed off data pack available of similar/ Mechanical work done previously, including resource planning, QCP's, job specific training etc.		100% for providing complete data pack, 40% for partially complete, 0% for no compliance	20		

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5.2	Work Experience	The service provider needs to have done similar work in the industry. A traceable record (Orders, contracts etc) is required.		100% for 3 traceable records , 80% for 2 traceable records, 40% for 1 traceable records, 0% for no compliance.	10		
				TOTAL	100		
TAKE NOTE: ONLY TECHNICAL SUITABLE IF TOTAL TECHNICAL SCORE IS ≥70%							

TET MEMBER RESPONSIBILITIES

Table 3: 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	X	X	X
2	X	X	X
3	X	X	X
4	X	X	X
5	X	X	X
6	X	X	X

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Foreseen Acceptable / Unacceptable Qualifications

3.5.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	None

Table 5: Unacceptable Technical Risks

Risk	Description
1.	Supplier not meeting client specifications and no methodology and having no track record or equipment for working on FFP.

3.5.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	None

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
	System Engineer (EDWL)
	Boiler Engineering Manager
	Engineering Manager
	Projects Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
May 2025	0		First issue

6. DEVELOPMENT TEAM

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

7. ACKNOWLEDGEMENTS

N/A

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