

Title: **Tender Technical Evaluation Report for Provision of Pulsed Jet Fabric Filter Plant Maintenance Services at Kusile Power Station for a period of Five (5) Years**

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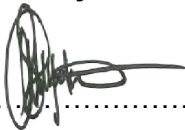
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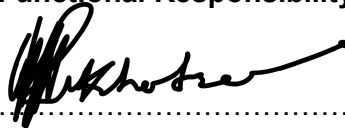
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Date: 19. 03. 2024

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EXECUTIVE SUMMARY

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1. INTRODUCTION

The tender for Provision of Pulsed Jet Fabric Filter Bags Maintenance Services at Kusile Power Station for a period of Five (5) Years will be issued to the market through Eskom Tender Bulletin and on national Treasury website. This document sets out the method and criteria that will be used to evaluate the tenders that will result from this pre-qualification invite.

2. SUPPORTING CLAUSES

2.1 SCOPE

Kusile Power Station is one of the two new coal fired power stations that Eskom is currently constructing. As a unit is completed it will be handed over to Eskom Generation for operation. Provision of Pulsed Jet Fabric Filter Plant Maintenance Services are required for Generation to support the operation and maintenance of operational units at Kusile Power Station. The work covered by this contract is for maintenance of PJFFP at Kusile Power Station.

2.1.1 Purpose

The purpose of this tender technical evaluation Report 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 strategy document applies to the Kusile Power station Generation team working on the maintenance section of the plant.

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

2.2.2 Informative

240- 121747547 Kusile Power Station Flue Gas Cleaning (PJFFP) and Maintenance Scope of Work

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2.3 DEFINITIONS

2.3.1 Classification

- a. **Confidential:** the classification given to information that may be used by malicious/opposing/hostile elements to **harm** the objectives and functions of Eskom Holdings Limited.

2.4 ABBREVIATIONS

Abbreviation	Description
B-BBEE	Broad Base Black Economic Empowerment
SD&L	Supplier Development and Localisation
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

N/A as per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

Please refer to Section 2.2.

3. TENDER TECHNICAL EVALUATION REPORT

3.1 TECHNICAL EVALUATION STRATEGY

The evaluation of tenders will be based on the tenderer's ability to meet the requirements specified in the **Pulsed Jet Fabric Filter Plant Maintenance** Scope of Work. A weighted score card approach will be used to evaluate the tenders against the Employer's requirements. The following scoring method will be used.

3.2 TENDER TECHNICAL RETURNABLES RECEIVED

N/A

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3.3 TECHNICAL CLARIFICATIONS

None

3.4 TECHNICAL EVALUATION RESULTS

N/A

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PJFFP MAINTENANCE SERVICES					
Technical Evaluation Criteria			TET 1 Evaluation Scores	File reference for the score	Guideline / Notes
Technical Criteria Description		Sub-criteria weighting (%)			
1. Company Profile	Weighting = 40 %				
<i>General measure in line with the Works instruction scope of work</i>					
1.1	The tenderer submits a company profile that is current and detailed to be in line with the Works Instruction. An organogram is included, demonstrating how the organisational structure and chain of command supports the requirements of the scope of work.	10%			Scoring: 5% - Full organogram submitted indicating chain of command, including Site Manager, Supervisor, Quality Controller, Mechanical Artisans and SHE officer with an explanation of the role of each personnel. All these roles include proof of qualification as prescribed. 3% - Organogram submitted with no detail for the role of each personnel. 2% - Organogram submitted with no detail for the role of each personnel and required personnel omitted. 0% - No personnel listed.
1.2 The Service Provider must have a method statement that indicates how maintenance activities will be executed, what resources will be required	- Provide detailed method statement on trouble shooting for high dust Emissions on PJFF plant. Provide report of the experience related to	90%			90% - Provide all 3-method statement. 45% - Provide all 2 method statements.

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<p>and what measures will be put in place to execute the task. The method and activities must be in line with the works Instruction 240 -121747547</p>	<p>trouble shooting, signed by the client.</p> <ul style="list-style-type: none"> - Provide detailed method statement on trouble shooting for high PJFF Differential Pressure. Submit reports of previous experience signed by the client. - Provide detailed method statement for full bag replacement detailing all quality measures. 				<p>20% - Provide 1 method statement.</p> <p>0% - no submission</p>
2. Experience	Weighting = 25%				
<i>Reference list of Purchase/Task Orders completed of previous similar work.</i>					
2.1	<p>Provide proof of experience on maintenance of FFP in a coal fired power station. A traceable record (Orders, contracts etc.) is required.</p>	100			<p>100% - A reference list with 3 or more completed Purchase/Task Orders provided.</p> <p>60% - A reference list with 2 completed Purchase/Task Orders provided.</p> <p>20% - A reference list with 1 completed Purchase/Task Orders provided.</p> <p>0% - No reference of completed Purchase/Task Orders provided.</p>
3. Quality Control Plans	Weighting = 10%				
<i>Example of completed QCP of previous similar work.</i>					
3.1	<p>The Service Provider submits a draft Quality Control Plan in line with the Works instruction scope of work</p>	100			<p>50% - QCP layout submitted including all scope of work items, Eskom intervention points and sign-off as stipulated in the Works Instruction 240-158605614.</p> <p>30% - Some scope of work items and some Eskom intervention points omitted.</p> <p>10% - Many scope of work items and many Eskom intervention</p>

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					points omitted. 0% - No QCP layout submitted.
4. Key Personnel	Weighting =	20%			
<i>Key resources CV containing qualification and proof of similar work conducted on a power station or similar work environment as well as a reference list.</i>					
4.1	Site Manager – well experienced in baghouse works on a power station or similar work environment for a period of at least 5 years in a managerial position; S4/T4 Mechanical Engineering Diploma or B-Tech Mechanical Engineering qualification or higher; two contactable references provided.	20			20% - 5 years or more experience in baghouse works on a power station or similar work environment; S4/T4 Mechanical Engineering Diploma or B-Tech Mechanical Engineering qualification or higher; two contactable references provided. 15% - 3 years or more experience in baghouse works on a power station or similar work environment; S4/T4 Mechanical Engineering Diploma or B-Tech Mechanical Engineering qualification or higher; two contactable references provided. 10% - Less than 3 years' experience in baghouse works on a power station or similar work environment; S4/T4 Mechanical Engineering Diploma or B-Tech Mechanical Engineering qualification or higher; no contactable references provided. 0% - No experience in baghouse works on a power station or similar work environment; no S4/T4 Mechanical Engineering Diploma or B-Tech Mechanical Engineering qualification or higher; no contactable references provided.
4.2	Supervisor – well experienced in baghouse works on a power station or similar work environment for a period of at least 5 years in a supervisory position; minimum qualification of N6 Mechanical Engineering and Trade Test Certificate; two	20			20% - 5 years or more experience in baghouse works on a power station or similar work environment; N6 Mechanical Engineering qualification or higher; Trade Test Certificate provided; two contactable references provided. 15% - 3 years or more experience in baghouse works on a power station or similar work environment; N6 Mechanical Engineering qualification or higher; Trade Test Certificate provided; two contactable references provided. 10% - Less than 3 years' experience in baghouse works on a power station or similar work environment; N6 Mechanical Engineering qualification; Trade Test Certificate provided; no contactable references provided. 0% - No experience in baghouse works on a power station or

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	contactable references provided. (2 or more)				similar work environment; no N6 Mechanical Engineering qualification or higher; no Trade Test Certificate provided; no contactable references provided.
4.3	Quality Controller – well experienced in quality control of baghouse works with at least 2 years’ experience; holds a certificate for a Certified Welding Inspector.	15			15% - 2 years or more experience in quality control of baghouse works on a power station or similar work environment; holds a certificate for a Certified Welding Inspector. 12% - less than 2 years’ experience in quality control of baghouse works on a power station or similar work environment; holds a certificate for a Certified Welding Inspector. 9% - 2 years or more experience in quality control of baghouse works on a power station or similar work environment; does not hold a certificate for a Certified Welding Inspector. 5% - less than 2 years’ experience in quality control of baghouse works on a power station or similar work environment; does not hold a certificate for a Certified Welding Inspector. 0% - no experience in quality control of baghouse works on a power station or similar work environment.
4.4	Artisans – has had previous experience with baghouse on a power station or similar work environment for at least 2 years; minimum qualification of N3 Mechanical Engineering and Trade Test Certificate; qualifications and experience provided for at least 3 artisans.	15			10% - 3 years or more experience in baghouse works on a power station or similar work environment; N3 Mechanical Engineering qualification or higher; Trade Test Certificate provided; two contactable references provided. 7% - 2 years or more experience in baghouse works on a power station or similar work environment; N3 Mechanical Engineering qualification or higher; Trade Test Certificate provided; two contactable references provided. 5% - Less than 2 years’ experience in baghouse works on a power station or similar work environment; N3 Mechanical Engineering qualification; Trade Test Certificate provided; no contactable references provided. 0% - No experience in baghouse works on a power station or similar work environment; no N3 Mechanical Engineering qualification or higher; no Trade Test Certificate provided; no contactable references provided.

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4.5	SHE Officer – has had previous experience in line with the scope of work; minimum NQF Level 4 and SAMTRAC/SHEMTRAC certificate; valid registration as a candidate or professional with an OHS professional body such as SIOSH, SAIOH or SACPMP.	20			10% - proof of similar work conducted; NQF Level 4 and SAMTRAC/SHEMTRAC certified; registered as a professional with an OHS professional body. 7% - proof of similar work conducted; NQF Level 4 and SAMTRAC/SHEMTRAC certified; registered as a candidate with an OHS professional body. 5% - no proof of similar work conducted; NQF Level 4 and SAMTRAC/SHEMTRAC certified; registered as a candidate with an OHS professional body. 2% - no proof of similar work conducted; NQF Level 4 and SAMTRAC/SHEMTRAC certified; not registered with an OHS professional body. 0% - no proof of similar work conducted; does not have NQF Level 4 and is not SAMTRAC/SHEMTRAC certified; not registered with an OHS professional body.
5. Tools and Equipment		5%			
<i>Asset List (Tools and Equipment)</i>					
5.1	The service provider has an asset list describing the tools and equipment it has available to carry out the required maintenance work.	100			100% - 6 x signed off tools checklist 0% - no signed off checklist
Final score for TET 1 (%):			100%		

3.4.1 Interpretation of evaluation results

3.4.1.1 Mandatory Evaluation Results

N/A

3.4.1.2 Qualitative Evaluation Results

N/A

3.5 TECHNICAL INPUTS FOR PRICE ADJUSTMENTS

N/A

3.6 CONCLUSIONS + RECOMMENDATIONS

N/A

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Abel Vuma	Kusile Group Maintenance Manager
Given Rikhotso	Mechanical Maintenance Manager
Siyakudumisa Mtsweni	Boiler Engineering Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
February 2022	0	M Kutumela	Final Report

6. DEVELOPMENT TEAM

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

Name & Surname	Designation
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Nthabiseng Tsosane	Engineer Prof Mechanical

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7. ACKNOWLEDGEMENTS

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