Eskom	Strategy	Engineering

Title: **Sand Blasting on U1 to U6 on 'as-and-when' required basis at Majuba Power Station – Technical Evaluation Strategy**

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System Engineer	**Snr Engineer**	**Boiler Engineering Manager**
Date: ……	Date: ……	Date: ……

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1. INTRODUCTION

This document details the technical evaluation strategy for the supply of labour, tools, equipment, consumables, supervision, management, logistics, storage, and support services for Sand blasting of Boiler and Turbine components at Majuba Power Station.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document discusses the different technical aspects that will be evaluated and scored by the multi-disciplinary Technical Evaluation Team (TET) for the supply of the supply of labour, tools, equipment, consumables, supervision, management, logistics, storage, and support services for Sand blasting of Boiler and Turbine components at Majuba Power Station

The team members who will be involved in the evaluation are listed and appointed in this document along with their responsibilities. This document also describes the acceptable and unacceptable risks and qualifications and/or conditions that will be applicable to the supply scope of work. Once the Technical Evaluation Strategy is authorised, no changes will be made to the evaluation criteria without the appropriate authorisations.

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 applies to Majuba 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] 240-48929482: Tender Technical Evaluation Procedure.

2.2.2 Informative

[2] ISO 9001 Quality Management Systems.

[3] 474-59: Internal Audit Procedure

[4] EAP 0304-1: Required Operational Capability Report

[5] 32-1034: Eskom Procurement Policy and supply chain management policy

[6] 240-53114002: Engineering Change Management Procedure

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Definition	Description
TET	Technical Evaluation Team
OHS Act	Occupational Health & Safety Act
N/A	Not Applicable

2.5 ROLES AND RESPONSIBILITIES

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

2.6 PROCESS FOR MONITORING

The design aspects will be monitored by conducting end of phase design reviews as described in the Eskom design review procedure at assessment completion.

2.7 RELATED/SUPPORTING DOCUMENTS

[1] 32-1034: Eskom Procurement and Supply Chain Management Procedure.

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 80%.

3.2 TET MEMBERS

Table 1 below lists the TET members

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Nduduzo Gazu	System Engineer
TET 2	Tinyiko Maluleke	System Engineer
TET 3	Bonginkosi Dlamini	Senior Engineer
TET4	Lulama Matiwana	Outage Execution Manager

3.3 MANDATORY TECHNICAL EVALUATION STRATEGY (GATE KEEPERS)

N/A

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Qualitative Technical Evaluation Criteria

Sand Blasting on U1-U6 at Majuba Power Station Technical Evaluation Criteria Elements	Criteria Weighting %	Criteria Sub Weighting %
1. Experience	15	
1.1. Company's past experience for similar work (submit evidence of certificate/offer/contract/task order • ≥4 previous projects = 5 • 2-3 previous projects = 4 • 1 previous project = 2 • None responsive = 0		40
1.2. (a) Project management tool (Provide similar activity program in Bar chart, Primavera or Gantt) chart. (b) Provide a manpower deployment plan. • All required documentation submitted and comprehensive = 5 • Almost all required documentation submitted and partially comprehensive = 4 • Partially submitted documentation submitted and not comprehensive = 2 • None responsive = 0		60
2. Method Statement	40	
2.1. How the work is to be executed with emphasis on the following: **i.**How the blasting is to be executed on the different components in line with Society for Protective Coatings i.e., SSPC-SP3, SSPC-SP5, SSPC-SP6, SSPC-SP10, SSPC-SP11, SSPC VIS1 and ASTM D4417. **ii.**Consideration of OSH Act. Of 1993 when executing sandblasting on all components.		100

iii. Blasting material containment, extraction/cleaning with consideration for the environment as per ISO14001. **iv.** Risk assessment for all sandblasting activities with mitigations on all identified risks. • Method Statement comprehensively satisfies i, ii, iii, and v =5 • Method Statement satisfies most of i, ii, iii, and v with minor omissions=4 • Method Statement partially satisfies i, ii, iii, and v=2 • Non responsive= 0		
3. Knowledge	20	
3.1. Provide comprehensive CV with certified qualifications for site manager to oversee execution of these services (minimum 3 years), safety awareness and technical ability to be shown in CV (Project management or Technical diploma qualification): • Site manager/ supervisor comprehensive CV and qualification copies certified= 5 • Site manager/ supervisor comprehensive CV and qualification copies not certified= 4 • Only comprehensive CV or only certified qualifications submitted= 2 • Non responsive= 0		40
3.2. Provide comprehensive CV with certified related qualifications for Supervisor with trade test and sandblasting certification, CV must show competency in doing Sandblasting activities: • Supervisor comprehensive CV and qualification copies certified= 5 • Supervisor comprehensive CV and qualification copies not certified= 4 • Only comprehensive CV or only certified qualifications submitted= 2 • Non responsive= 0		30
3.3. Provide comprehensive CV with certified qualifications for all other team members i.e. Sandblasting technicians, Quality Controller, Planner, Safety Officer (SAMTRAC): • All team members comprehensive CVs and qualifications copies certified= 5 • Almost all team members comprehensive CVs and qualifications copies not certified= 4 • Partially fulfilling team members CVs or only certified qualifications submitted= 2 • Non responsive= 0		30
4. Equipment	15	

4.1. Equipment specification and quantities with certification, abrasive media data sheets, and maintenance/inspection records. Additionally a site visit will be performed to inspect equipment and demonstration will be required. • Equipment specification and quantities provided with certification and maintenance records = 5 • Equipment specification and quantities provided with partial certification and maintenance records = 4 • Equipment specification and quantities provided with little to partial certification and maintenance records = 2 • Non responsive = 0		100
5. QA and QCP:	10	
5.1. Supply documented procedures/work instructions/inspection technique sheets that address the following: Internal quality audits, non-conformances, corrective and preventative actions, storage and handling of equipment, QCPs. • All required documentation submitted and comprehensive = 5 • Almost all required documentation submitted and partially comprehensive = 4 • Partially submitted documentation submitted and not comprehensive = 2 • None responsive = 0		100
TOTAL	100	
OVERALL MINIMUM THRESHOLD FOR QUALIFICATION	80	

Table 3: Qualitative Technical Evaluation Criteria Scoring

Criteria Number	Score Percentage Description
1.2, 1.3 and 2.1	**5 (100% of weight) COMPLIANT** • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements. **4 (75% of weight) COMPLIANT WITH ASSOCIATED QUALIFICATIONS** • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions. **2 (40% of weight) NON-COMPLIANT** • Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions. **0 (0% of weight) TOTALLY DEFICIENT OR NON-RESPONSIVE**
1.1	0% of weight will be allocated for zero experience, 50% of weight allocated for one order of successful sand blasting on the turbine or similar boiler plant, 100% of weight allocated for more than one order of successful sand blasting on the turbine or similar boiler plant.

Table 4: TET Member Responsibilities

Mandatory Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET4**
-	-	-	-	
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET4**
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X
5	X	X	X	X

4. AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation	Signature
Bonginkosi Dlamini	Senior Engineer	
Lindani Madonsela	Boiler Engineering manager	

5. REVISIONS

Date	Rev.	Compiler	Remarks
March 2021	N/A	Bonginkosi Dlamini	Document was compiled for evaluating Majuba Power Station Boiler and Turbine components Sand blasting

6. DEVELOPMENT TEAM

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

- Nduduzo Gazu
- Tinyiko Maluleke
- Bonginkosi Dlamini

7. ACKNOWLEDGEMENTS

N/A