

Title: **Tender Technical Evaluation
Strategy for Supply of
Sandblasting Services at Medupi
Power Station**

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Mpho Sekhuto
System Engineer

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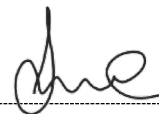
Benji Rahlogo
Chief Technologist

Date: 2023 / 03 / 14



Sithokozile Hlongwa
Boiler Engineering
Manager

Date: 2023/03/14



Jabulani Mkhathshwa
Middle Manager
Engineering

Date: 2023-03-14

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1. INTRODUCTION

Medupi Power station requires sandblasting on certain plant components in order to conduct sufficient Non Destructive Testing (NDT) inspections and cleaning of specified components.

This document describes the strategy applied in evaluating the service providers in order to ensure that only a suitably qualified service provider is sourced.

2. SUPPORTING CLAUSES

2.1 SCOPE

The document describes the acceptable and unacceptable risks and qualifications and /or conditions.

The Tender Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation criteria
- Qualitative Evaluation criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

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 the Tender Evaluation Team for Regulators in accordance with the authorised procurement strategy.

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

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- [1] 240 - 48929482: Tender Technical Evaluation Procedure
- [2] 241 – 2022235: Sandblasting Scope of Work for Outage and Maintenance at Medupi Power Station as and when Required
- [3] ISO 8501-1: Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness

2.2.2 Informative

N/A

2.3 DEFINITIONS

2.3.1 Classification

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

2.3.2 Mandatory Evaluation criteria:

Are also known as gatekeeper, are a “must meet” criteria. The services for sandblasting will not have mandatory technical criteria.

2.3.3 Qualitative Evaluation criteria:

Are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the mandatory evaluation criteria have been met.

2.4 ABBREVIATIONS

Abbreviation	Description
NEC	New Engineering Contract
TET	Technical Evaluation Team

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Abbreviation	Description
Contractor	Service provider contracted for the supply of spares and various services on the machines
Employer	Eskom Medupi Power Station

2.5 ROLES AND RESPONSIBILITIES

Maintenance and Outage Departments – Outage and Maintenance Departments are responsible and accountable for ensuring that the Service is provided as per the SOW.

Engineering will be involved in documentation review and updating of the technical specifications and technical evaluation criteria.

Quality Control department will be involved in the quality control strategy and verification of documents (i.e. material certificates) as well as verification and witnessing of delivered services.

The commercial will be part of the contract placement process and communication with the contractor until contract award.

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 80%.

A supplier will have to meet the mandatory requirements in order to proceed to the second stage of technical evaluation (qualitative technical evaluation).

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Mpho Sekhuto	System Engineer High Pressure Piping
TET 2	Kgabo Choshi	Senior Supervisor Tech Maintenance
TET 3	Bernard Matanda	Senior Advisor Boiler Engineering
TET 4	Rulani Masingi	Senior Advisor Outage Execution

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3.3 MANADATORY TECHNICAL EVALUATION CRITERI

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	<p>Submit a valid CIDB 4SD Grading or higher.</p> <p>YES – Proceed to qualitative technical evaluation</p> <p>NO - Disqualified</p>	<ul style="list-style-type: none"> Certificate CIDB 4SD Grading or higher. 	<ul style="list-style-type: none"> To demonstrate the service provider's capacity to handle the works.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Score	(%)	Definition
5	100	<p>COMPLIANT</p> <p>Meet technical requirement(s) AND; No foreseen technical risk(s) in meeting technical requirements.</p>
4	80	<p>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</p> <p>Meet technical requirement(s) with; Acceptable technical risk(s) AND/OR; Acceptable exceptions AND/OR; Acceptable conditions.</p>
2	40	<p>NON-COMPLIANT</p> <p>Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; Unacceptable exceptions AND/OR; Unacceptable conditions.</p>
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE

Note 1: The scoring table does not allow for scoring of 1 and 3.

Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.

Table 3: Qualitative Technical Evaluation Criteria

For qualitative technical requirements, suppliers must ensure that the **Qualitative Technical Tender Returnables** are filed/documentated in a chronological order from **1 to 4** with all sub-categories accordingly as illustrated in the table below. This is to ensure that the required documents are located timeously to facilitate swift technical evaluation.

Technical returnables shall be:

- i) Neat and organised
- ii) Have index
- iii) The layout should be as per the technical criteria
- iv) Shall be pleasant to evaluate

		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Sub Weighting (%)	Actual Score
1		Company history / previous history of supply:		60		
	1.1	Company Experience in Sandblasting: More than 3 years experience, Submit signed referral letter(s) or signed letter(s) of completion with full Traceability = 100% 1 year or more but less than 3 years experience, Submit signed referral letter(s) or signed letter (s) of completion with full Traceability = 80% Less than 1 year experience, Submit signed referral letter(s) or signed letter(s) of completion with full Traceability = 40% No experience and/or letter(s) not signed by the client = 0%	100% = 5 80% = 4 40% = 2 Non responsive = 0		50	

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		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Sub Weighting (%)	Actual Score
		Letter(s) must be signed and accepted by the client confirming that the service provider has rendered the sandblasting services. The letters shall indicate the duration (contract start and end dates) of the service and the scope of work with the clients letter head and full contact details. The clients may be contacted and/or visited by Eskom Technical Representatives for confirmation of rendered services before the contract is awarded.				
	1.2	<p>Knowledge of Service:</p> <p>Submit a detailed procedure for the execution of sandblasting services in a power station detailing all aspects including but not limited to the</p> <ul style="list-style-type: none"> i) resources, ii) quality control, for sourcing of the blasting consumables, quality control of the consumables and monitoring of the surface quality during and after blasting. This shall cover the controlled marking of all areas as per Scope of Work and the competency of the QC personnel to interpret Technical Drawings. iii) safety and environment, iv) tools, v) supervision vi) reporting vii) management of non-conformances <p>Provide an unambiguous procedure detailing all points above = 100%</p> <p>Provided a procedure but has not covered any one of the points above = 0%</p> <p>Any procedure without adequate details with regards to resources mobilisation, quality control, safety and environment, tools, supervision and reporting as a minimum = 0%</p>	<p>100% = 5</p> <p>Non responsive = 0</p>		50	

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		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Sub Weighting (%)	Actual Score
		No Method Statement = 0% The procedure shall be clear and shall contain a table of contents covering all the listed critical areas of the services.				
2	Core Crew			30		
	2.1	Site Manager. With detailed CV Attached More than 3 Years Experience = 100% Less than 3 Years Experience but more than 1 Years Experience = 80% Less than 1 Year Experience = 40% No submission of Detailed CV = 0	100% = 5 80% = 4 40% = 2 Non responsive = 0		40	
	2.2	Site Supervisor. With detailed CV Attached More than 3 Years Experience = 100% Less than 3 Years Experience but more than 1 Years Experience = 80% Less than 1 Year Experience = 40% No submission of Detailed CV = 0	100% = 5 80% = 4 40% = 2 Non responsive = 0		30	
	2.2	Quality Control (QC) Personnel. With detailed CV Attached More than 3 Years Experience = 100% Less than 3 Years Experience but more than 1 Years Experience = 80% Less than 1 Year Experience = 40% No submission of Detailed CV = 0	100% = 5 80% = 4 40% = 2 Non responsive = 0		30	
3	Equipment			5		
	3.1	Proof of Equipment ownership or copy of equipment list that can be verified or a letter of intent to supply or lease equipment from a supplier or sub-contractor. Signed company equipment ownership list = 100%	100% = 5 80% = 4 40% = 2 Non		100	

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		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Sub Weighting (%)	Actual Score
		<p>Signed lease agreement with list of equipment or Signed purchase agreement with list of equipment = 80%</p> <p>List of Equipment not signed = 40%</p> <p>No information provided as stated above = 0</p> <p>For 100% score above, Eskom Technical Representative may require to physically see the equipment at the service providers premises before contract is awarded. Failure to produce the equipment will amount to dishonesty and automatic termination of the contract award process to the service provider.</p>	responsive = 0			
4	Compliance to Standards and Certifications			5		
	4.1	<p>Declaration of compliance to ISO 8501-1 and attach a procedure detailing how the quality is controlled during task execution to meet ISO 8501-1 specification = 100%</p> <p>No Declaration = 0%</p>	<p>Declaration submitted 100% = 5</p> <p>Non responsive = 0</p>		100	
	Total			100		

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3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	x	x	x	x
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Technical specification that does not meet the scope of work.

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Declining to provide technical details accurately deemed intellectual proprietary
2.	In case of an obsolete specification, the supplier may provide proof from the manufacturer about obsolescence and new data sheets for the new specification will be acceptable.

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification not accepted.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Oratile Mekgwe	System Engineer Boiler Engineering
Bernard Matanda	Senior Advisor Boiler Engineering
Tebogo Mokoena	System Engineer Turbine Engineering

5. REVISIONS

Date	Rev.	Compiler	Remarks
August 2022	0	Mpho Sekhuto	
September 2022	1	Mpho Sekhuto	
March 2023	2	Mpho Sekhuto	Modified the mandatory technical requirements. Added the requirements for a company QC personnel.

6. DEVELOPMENT TEAM

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

Mpho Sekhuto

Benji Rahlogo

7. ACKNOWLEDGEMENTS

N/A

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