Eskom	Strategy	Engineering

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Compiled by	Functional Responsibility	Authorised by
P Sejake	**P Mthombeni**	**M Mathabatha**
Boiler Engineer	**Boiler Engineering Manager**	**Engineering Manager**
Date. 30/07/2021	Date 10/08/2021	Date 10/08/2021

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TABLES

1. INTRODUCTION

A technical evaluation is a critical activity performed by engineers / technical specialists in accordance with Eskom Procurement and Supply Chain Management Policy (32-1033) and Eskom Procurement and Supply Management Procedure (32-1034) during the tender process

The process to be followed in performing technical evaluations during the tender evaluation process must be consistent throughout Eskom Engineering

This document shall ensure that a consistent, fair, transparent, impartial and auditable process is followed to identify the highest technically ranked tenderer for sandblasting contract

2. SUPPORTING CLAUSES

2.1 SCOPE

This document describes the technical evaluation criterion, team members and requirements for Camden *sandblasting contract tender technical evaluation*

2.1.1 Purpose

The purpose of this document is to provide a consistent approach to processes and principles to be followed when technically evaluating refractory removal and replacement contract tenders; responsibilities of individuals and reporting requirements by defining the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for the evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process

2.1.2 Applicability

This document shall apply throughout Camden Power Station, and is more specific to the Boiler Engineering, Boiler Maintenance, Outages Department, Project Department and any contractor that will be involved in the execution sandblasting scope of work.

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] 240-44682850 PCM - Provide Engineering During Project Sourcing

[3] 2-1033 Eskom Procurement and Supply Chain Management Policy

[4] 32-1034 Eskom Procurement and Supply Management Procedure

2.2.2 Informative

[1] 474-59' Internal Audit Procedure

[2] ISO 9001 Quality Management Systems

2.3 DEFINITIONS

Enquiry: A competitive or non-competitive request for information, interest, quotations or proposals made to a supplier, a group of suppliers or the market at large

Tender: A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
CV	Curriculum Vitae
EDWL	Engineering Design Work Lead
GM	General Manager
LDE	Lead Discipline Engineer
MSDS	Material Safety Data Sheet
TET	Technical Evolution Team

2.5 ROLES AND RESPONSIBILITIES

- **Engineering Manager** Is responsible for ensuring that all staff, in their respective areas understand and adhere to this tender technical evaluation strategy
- **Plant Engineer** The engineer is responsible to manage the execution and adherence to the *Tender Technical Evaluation procedure and strategy*
- **Technical Evaluation Team (TET) member** Is responsible to review and evaluate technical aspects of the tender documentation as per the Tender Technical Evaluation Strategy

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

[1] 240-53716746 Tender Technical Evaluation Report Template

[2] 240-53716712. Tender Technical Evaluation Results Form Template

[3] 240-53716726· Tender Technical Evaluation Scoring Form Template

[4] 240-53716769 Tender Technical Evaluation Strategy Template

3. TENDER TECHNCIAL EVALAUTION 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%** The threshold is set according to Tender Technical Evaluation Procedure (240-48929482)

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Phello Sejake	Boiler Engineer
TET 2	Sipho Ndhlovu	Senior Inspector Technical Welding
TET 3	Mlungisi Makhaya	Senior Welding Supervisor
TET 4	Malusi Ngcobo	Senior technical Advisor Boiler
TET 5	Sydney Tshalane	Outage Coordinator
TET 6	Gaolaolwe Lenoge	Plant Care Engineer
TET 7	Ralph Griffiths	Senior Supervisor Non-Technical
TET 8	Ntombi Nkabinde	Acting Training Manager

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Mandatory Technical Evaluation Criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted or point scored, but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1	Company Work Experience	The service provider must submit a copy of a signed off previous / current contract/s demonstrating experience on sandblasting The minimum of 3 years of sandblasting company experience must be clearly indicated on the contract Service providers with less than 3 years of company experience will be disqualified from the technical evaluation.	Criticality of the nature of work and area of work
2.	Method Statement	The Service Provider must have a method statement that indicates how sandblasting activities will be executed, what resources will be required and what measures will be put in place to execute the task.	Criticality of the nature of work and area of work

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Qualitative Technical 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 The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	**Site Supervisor**			**34**	-
	1 1	Sandblasting experience 3+ years' experience	Submit a CV with traceable reference, the CV must be accompanied by certified copies of training certificates.	-	**10**
	1 2	Basic principles of Sandblasting training	Submit a CV with traceable reference, the CV must be accompanied by certified copies of training certificates.	-	**8**
	1 3	*Safety Legal liability training*	Submit a CV with traceable reference, the CV must be accompanied by certified copies of training certificates	-	**8**
	1 4	Safety Confine space Training	Submit a CV with traceable reference, *the CV must be accompanied by* certified copies of training certificates.	-	**8**
2.	**Blasters or Operators**			**26**	
	2.1	Sandblasting experience 1+ years' experience	Submit a CV with traceable reference, the CV must be accompanied by *certified copies of training certificates*	-	**10**
	2.2	Basic principles of Sandblasting training	Submit a CV with traceable reference; the CV must be accompanied by certified copies of training certificates	-	**8**

	2.3	Safety Confine space Training	Submit a CV with traceable reference, the CV must be accompanied by certified copies of training certificates	-	**8**
3.	**Rigger**			**10**	
	3.1	Basic Rigging Training	Submit a CV with traceable reference, the CV must be accompanied by certified copies of training certificates for rigging	-	**10**
4.	**Material Safety Data Sheet (MSDS): Micro Blast Grid (40/60)**			**15**	
	4 1	The following sandblasting grid specifications must be used - • Micro Blast Grid (40/60) • Sandblast Grid "A" to be used. • Particle size between 0.6mm and 1.2mm • Profile between 47 and 58(Microns)	*The supplier must submit an MSDS for* the material that they will be supplying Sandblast grit, particle size and profile must be clearly highlighted and visible on MSDS	-	**15**
5.	**Sandblasting Procedure**			**15**	
	5 1	The Service Provider has complete sandblasting procedure	*Signed procedure to be submitted* clearly showing tools & resources required and risk mitigation	-	**15**
				TOTAL: 100	

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory *Criteria* Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 5**	**TET 6**	**TET 7**	**TET 8**
1	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 5**	**TET 6**	**TET 7**	**TET 8**
1 1	X	X	X	X	X	X	X	X
1.2	X	X	X	X	X	X	X	X
1 3	X	X	X	X	X	X	X	X
1.4	X	X	X	X	X	X	X	X
2 1	X	X	X	X	X	X	X	X
2 2	X	X	X	X	X	X	X	X
2.3	X	X	X	X	X	X	X	X
3 1	X	X	X	X	X	X	X	X
4 1	X	X	X	X	X	X	X	X
5.1	X	X	X	X	X	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1	Some information is missing, but the information missing is not important

Table 6: Unacceptable Technical Risks

Risk	Description
1.	All mandatory requirements not achieved will results in immediately disqualification (no further technical evaluation)
2	No information and / or proof of requirements is provided
3.	MSDS's are not provided or lack important details
4	Blasters and Supervisor do not have sand blasting experience

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1	**Duplicates / similar CV's are submitted for different tenderers – procurement department must decide on the way forward before the condition can be accepted or rejected.**

4. AUTHORISATION

This document has been seen and accepted by

Name	Designation	Signature
Sipho Ndhlovu	Senior Inspector Technical Welding	2021/08/10
Mlungisi Makhaya	Senior Welding Supervisor	11/08/2021
Malusi Ngcobo	Senior technical Advisor Boiler	
Sydney Tshalane	Outage Coordinator	12/08/2021
Gaolaolwe Lenoge	Plant Care Engineer	11/08/2021
Ralph Griffiths	Senior Supervisor Non-Technical	11/8/21
Ntombi Nkabinde	Acting Training Manager	2021/08/10

5. REVISIONS

Date	Rev.	Compiler	Remarks
September 2020	01	PA Sejake	Original document
March 2021	02	PA Sejake	Corrections after document review by TET members
March 2021	03	PA Sejake	CIBD level 2 is changed to level 7 due to the value of the contract
July 2021	04	PA Sejake	Removal of CIBD from mandatory requirements

6. DEVELOPMENT TEAM

The following people were involved in the development of this document

Derek Strydom

7. ACKNOWLEDGEMENTS

Derek Strydom