

	Strategy	Engineering
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1. INTRODUCTION

This document outlines the report of technical evaluation of the **Inspections and Repairs of Ducting on Units 1 to 6 during planned outages for Duvha Power Station on an 'as and when' Required Basis for a Period of 5 Years** tender. The tender evaluation report gives details on how the tenderers were evaluated as well as the results of the evaluation.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document is to discuss the different technical aspects that will be evaluated and scored by multi-disciplinary Technical Evaluation Team (TET) to complete the technical evaluation for Duvha Power Station ducting repairs. The team members who will be involved in the evaluation are listed and appointed in this document along with responsibilities. The document also describes the acceptable and unacceptable risks and qualifications and/or conditions that will be applicable to the 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 is applicable to the Inspections and Repairs of Ducting on Units 1 to 6 during planned outages for Duvha 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] ISO 9001 - Quality Management System
- [3] EPA 0304-1 - Required Operational Capability Report
- [4] 474-59 - Internal Audit Procedure
- [5] 32-1034 - Eskom procurement Policy
- [6] 240-53114002 - Engineering Changes Management Procedure

2.2.2 Informative

- [7] ISO 14001:2004 – Environmental Management System
- [8] ISO 900:2008 - Quality Management System – Fundamental and Vocabulary
- [9] 240-168966153: Generation Tender Technical Evaluation Procedure
- [10] 32-95 – Procedure manual for Perform occupation Health and Safety

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[11] NEC3 – National Engineering Contract

[12] 1017401 – Integrated Risk 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

Abbreviation	Description
AIA	Approved Inspection Authority
ASME	American Society of Mechanical Engineers
GO	General Overhaul
ISO	International Organization for Standardization
NCR	Non-Conformance Report
PQR	Pre-Qualification Record
PS	Power Station
SAT	Site Acceptance Test
TET	Technical Evaluation Team
WPS	Welding procedure specification

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure for Generation

- Boiler Engineering Manager: Duvha Boiler Engineering Manager shall ensure that the respective areas understand and adhere to this procedure
- Senior Engineer: The Senior Engineer is responsible to review the technical tender document.
- Technical Evaluation Team members: The delegate engineers/technical specialists are responsible for reviewing and evaluating the aspects of the tender documentation

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

- 240-53716746 Tender Technical Evaluation Report Template
- 240-53716712 Tender Technical Evaluation Results Form Template
- 240-53716726 Tender Technical Evaluation Scoring Form Template
- 240-53716769 Tender Technical Evaluation Strategy Template

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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%.

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 unless set otherwise. An assessment of 'No' against any criteria shall technically disqualify the tenderer and shall not be further evaluated against the Qualitative 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.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Msekeli Ngcwembe	System Engineer
TET 2	Takalani Nemavhola	Outage Coordinator

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA**Table 2: Mandatory Technical Evaluation Criteria**

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Welding Procedure	Certification for welding as per the Eskom welding rule Book (ISO 3834), Part 2, 3 or 4 will be acceptable.	This is in line with the Eskom welding rule book requirements.
2.			
3.			

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Company Experience and Capacity			40	
	1.1	Proof of company experience on maintenance of Ducting or mechanical work Provide proof in the form of order number with references not older than 10 years (1 order number = 25% Max of 4 orders)			100
2.	Key Personnel			30	
	2.1	Site Manager Site Manager CV with at least 5 years' experience on mechanical work. = 30 Site Manager CV with at least 3 years' experience on mechanical work. = 20 Site Manager CV with less than 3 years' experience on mechanical work. = 10 NB: Without qualification do not continue to evaluate.	Project manager with a Project management /Technical qualification and 5 years management experience. • Submit the certified copies of the highest qualification and • Submit a CV demonstrating the relevant experience		30
	2.2	Site Supervisor Supervisor CV with at least 5 years' experience on mechanical work. = 30 Supervisor CV with at least 3 years' experience on mechanical work. = 20	Minimum Qualification: Mechanical diploma or equivalent Supervisory experience with Trade (Fitting) on maintenance of at least three (3) years.		30

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		Supervisor CV with less than 3 years' experience on mechanical work. = 10 NB: Without qualification do not continue to evaluate.	- Submit the certified copies of the highest qualification and - Submit a CV demonstrating the relevant experience		
	2.3	Quality inspector	Level 2 and above SAIW certificate, 2 years' experience, and above power generation plant		20
	2.4	Mechanical handling (Rigger)	Minimum Qualification: Minimum National Diploma in Mechanical handling (Rigger) plus 2 years power station experience NQF level 4 Certificate = 20 NQF level 3 Certificate = 10 NQF level 2 Certificate = 5		20
3.	Quality Documentation			30	
	3.1	Comprehensive QCP/QIP	Comprehensive QCP/QIP that is according to the scope of work but with intervention points such as Hold, etc = 30 QCP/QIP that is not comprehensive enough as per the scope of work = 20 QCP/QIP that is not according to the scope of work = 10		100
				TOTAL: 100	

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X		
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1.1	X	X		
2.1	X	X		
2.2	X	X		
2.3	X	X		
2.4	X	X		
3.1	X	X		
3.2	X	X		

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS**3.6.1 Risks****Table 5: Acceptable Technical Risks**

Risk	Description
1.	Company quality process not certified but a proof of the process to certification to be submitted.
2.	
3.	

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Attached copies not being certified
2.	No proof attachments
3.	
4.	

3.6.2 Exceptions / Conditions**Table 7: Acceptable Technical Exceptions / Conditions**

Risk	Description
1.	
1.	
2.	
3.	
4.	

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	
2.	
3.	
4.	
5.	
6.	
7.	

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Msekeli Ngcwembe	System Engineer	
Takalani Nemavhola	Outage Coordinator	

5. REVISIONS

Date	Rev.	Compiler	Remarks
June 2024	0	M Ngcwembe	Technical evaluation

6. DEVELOPMENT TEAM

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

TET Members

7. ACKNOWLEDGEMENTS

N/A