Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation Strategy for Unit 3 Boiler Sheeting and Cladding Replacement**

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1. INTRODUCTION

Duvha Power Station Unit 3 boiler house has experienced explosion in 2014, and the station initiated the demolition project which was conducted to remove the damaged secondary steel structure and damaged equipment. During demolition some of the sheeting and side cladding was removed to reduce the impact of wind load on the de-loaded boiler house structure. Currently the unit remains with some openings that are unappealing which resulted to the station preparing this scope of works to close the openings and fully sheet the unit similar to the adjacent units.

The following is a high-level scope that will need to be completed as part of the Works:

- Deconstruction and/or removal of damaged sheeting and cladding,
- Procure, supply and install the Unit 3 missing side steel cladding and sheeting to fully sheet the unit 3 boiler house structure.

A technical specification has been developed to outline the technical requirements for the works. A tender will be advertised for the works required and will be evaluated technically based on the strategy indicated herein.

2. SUPPORTING CLAUSES

2.1 SCOPE

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 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] 240-168966153: Generation Tender Technical Evaluation Procedure.

[2] ISO 9001: Quality Management Systems.

[3] 240-44682850: PCM - Provide Engineering During Project Sourcing.

[4] 32-1033: Eskom Procurement and Supply Chain Management Policy.

[5] 32-1034: Eskom Procurement and Supply Management Procedure.

2.2.2 Informative

[6] 382-170400: Duvha Power Station – Unit 3 Boiler House Sheeting and Cladding Replacement – Technical Specification.

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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
CV	Curriculum Vitae
ISO	International Organization for Standardization
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

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

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

[7] 240-53716746: Tender Technical Evaluation Report Template.

[8] 240-53716712: Tender Technical Evaluation Results Form Template.

[9] 240-53716726: Tender Technical Evaluation Scoring Form Template.

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

A weighted score-card approach is used to evaluate the technical compliance of the tenders against the specifications. Tenderers need to have a weighted score of 70% overall or more to technically qualify for further evaluation.

The evaluation of the tender submission will be based on the tenderer's ability to meet the Engineering requirements. A weighted score card approach will be used to evaluate the tender submission against the specifications and Employer's requirements.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Vusi Chirwa	System Engineer: Civil Structures
TET 2	Thilivhali Muthakhi	System Engineer: Civil Water Retaining Structures

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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.	Rope access technicians with sheeting installation skills	Valid rope access certificates for rope access technicians (level 1, 2 and 3). CVs with a minimum of 5 years of relevant experience with verifiable references to accompany the rope access certificates for level 1,2 and 3 Technicians demonstrating experience in roof sheeting installation. Copies of IDs and Rope access certificates to be certified. Certification to with 6 months.	Working at heigh compliance

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.	**Civil and Structural Works**			**50**	
	1.1	**Company Experience** The tenderer shall submit a project list of traceable references and three (3) completion certificates or letters which adequately prove that the tenderer has completed at least three (3) contracts successfully of similar scope in the last ten (10) years. Completion certificates or completion letters reflecting the following: • Client name • Project description of work performed • Project start and end dates • Name, designation and contact number of the reference person	0 = No submission or submitted completion certificates does not relate to the scope or falls outside of the last 10 years. 2 = Only 1 relevant completion certificate submitted for work done within the last 10 years. 4 = 2 relevant completion certificates submitted for work done within the last 10 years. 5 = 3 or more relevant completion certificates submitted for work done within the last 10 years.		50
	1.2	**Execution Method Statement** Execution Method Statement for execution of the works covering the following key points in detail. • Access preparation. • Rope access/lifeline installation. • Inspection of existing sheeting and support steelwork. • Removal of damaged materials. • Repairs to support steelwork.	0 = No submission or submitted metho stamen does not cover the key points in detailed or a generic method statement or reiteration of the scope of work. 2 = Submitted method statement only covers up to 40% of the key points in detail. 4 = Submitted method statement covers up to 80% of the key points in detail.		50

		• Installation of new cladding, sheeting and flashings. • Fastener installation. • Corrosion protection works. • Final inspection and testing.	5 = Submitted method statement covers above 80% of the key points in detail.		
2.	**Proposed Project Skills**			**50**	
	2.1	**Project Manager** CV and qualification (minimum of national diploma in project or construction management). The Project/construction manager to have at least 5 years of experience on construction industry as a construction or project manager.	0 = No submission or no relevant qualification or CV does not indicate verifiable experience. 2 = CV and relevant qualification submitted, CV reflects less than 2 years of relevant experience. 4 = CV and relevant qualification submitted, CV reflects less than 4 years of relevant experience. 5 = CV and relevant qualification submitted, CV reflects 5 or more years of relevant experience.		50
	2.2	**Site Agent** CV and qualification (minimum of national diploma in civil engineering). The site agent to have at least 5 years of experience in the construction industry as a site agent or engineer.	0 = No submission or no relevant qualification or CV does not indicate verifiable experience. 2 = CV and relevant qualification submitted, CV reflects less than 2 years of relevant experience. 4 = CV and relevant qualification submitted, CV reflects less than 4 years of relevant experience. 5 = CV and relevant qualification submitted, CV reflects 5 or more years of relevant experience.		50

				TOTAL: 100	

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
1	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**
1.1	X	X
1.2	X	X
2.1	X	X
2.2	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.	N/A

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Thilivhali Muthakhi	System Engineer: Civil Water Retaining Structures	

5. REVISIONS

Date	Rev.	Compiler	Remarks
February 2024	1.0	T Lesame	First Draft for Authorisation
July 2026	2.0	V Chirwa	Updated Requirements

6. DEVELOPMENT TEAM

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

T Lesame

T Muthakhi

7. ACKNOWLEDGEMENTS

N/A

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