Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation Strategy for Duvha Additional Offices and Classrooms**

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TABLES

1. INTRODUCTION

Duvha power station has a shortage of office space for Heavy Maintenance Department (HMD) Auxiliary sections, Transport department and Classrooms for training department. There are existing park homes that are currently located in different areas in the station which are required to be converted into offices and classrooms. This document is developed to covers the technical criterion to be used to select the most technically suitable contractor to execute the scope of work for providing additional offices and classrooms using the existing park homes that are currently located in the different areas in the station.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the technical evaluation strategy to be used for the selection of a suitable contractor to be appointed to execute the scope of work for Additional offices and classrooms.

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 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] 240-44682850: PCM - Provide Engineering During Project Sourcing

[3] 32-1033: Eskom Procurement and Supply Chain Management Policy

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

2.2.2 Informative

[5] Duvha Power Station Additional Offices and Classrooms Technical Specification

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
DHP	Dust Handling Plant
HVAC	Heating Ventilation and Air Conditioning
NEC	New Engineering Contract
PCM	Process Control manual
SOW	Scope of Work
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As Per 240-168966153: Generation Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

This Tender Technical Evaluation Strategy shall be monitored by 240-53114190: Internal Audit Procedure

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

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%.

Table 1: Technical Scoring Methodology

SCORE	PERCENTAGE (%)	DESCRIPTION
5	100	**COMPLIANT** • Meet the technical requirement(s) AND, • No foreseen technical risk(s) in meeting technical requirements
4	80	**COMPLIANT WITH ASSOCIATED QUALIFICATIONS** • Meet the technical requirement(s) with, • Acceptable technical risks AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions
2	40	**NON-COMPLIANT** • Does not meet the technical requirement(s) AND/OR Unacceptable technical risk(s) AND/OR;

		• Unacceptable exceptions AND/OR; • Unacceptable conditions
0	0	**TOTALLY DEFICIENT/NON-RESPONSIVE**

3.2 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1		System Engineer: Civil Structures
TET 2		System Engineer: Auxiliary Engineering (HVAC)
TET 3		System Engineer: Electrical Engineering

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Tenderer to submit a letter of confirmation to fully adhere to the NEC and Technical specification	Confirmation Letter	The confirmation letter is required to ensure the tenderers understood the intended scope of work to be executed and to ensure agreement to fully comply with the NEC and Technical specification

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1	**General Requirements**				
	1.1	**Project/Construction Manager** This covers the general experience of the proposed Project Manager for the Projects with a • Minimum qualification of a diploma in project management or construction management and at least 3 years of experience in construction industry or • Technical qualification in any engineering with Professionally registered with SACPCMP or PMP and at least 5years of experience in construction industry	A copy of qualification Certificates and CV	**15%**	80%
	1.2	**Site Organogram** Proposed signed site organogram of key personnel for this project which must include the following skill. • Project/Construction Manager (Requirement **1.1**) • Civil Technician (requirement **2.2**) • Refrigerant Technician (requirement **4.2**)			20%
2	**Civil Engineering Requirements**				
	2.1	**Previous Similar Civil Engineering Projects** The contractor or sub-contractor shall provide at least 3 previously completed projects for general building or prefabricated structures. Signed (by all parties	Copy of Completion certificates/letters	**50%**	**40%**

		involved) completion certificates/Letter. The completion certificate/letter shall reflects the following information • Project name • Principal contractor • Client • Description of work performed (nature of the work) • Project cost (only for scope completed) • Project start and end date or Duration • Name, designation and contact number of reference person Where completion certificate/letter does not have also the information as requested above the tenderer shall submit the completion certificate/letter with signed contract supporting documents such as Purchase Orders, agreement letters or contract.			
	2.2	**Civil Engineering Technician** The contractor or sub-contractor shall provide a CV of a Civil Technician with at least National Diploma in Civil Engineering or Equivalent qualification (NQF level 6) in the same Civil Engineering trade. The CV shall reflect at least 3 years of experience in Civil Engineering works preferably concrete construction and/water proofing of structures related experience. The experience shall reflect start and end months and years	A copy of qualification Certificates and CV		**35%**

	2.3	**Civil Scope Method Statement** The contractor or sub-contractor shall provide a detailed method statement demonstrating how the works stipulated in the technical specification will be carried out. The method statement shall cover the minimum key points; • Preparation • Plumbing • Carpentry • Steel structural works • Partitioning • Demolition	Method Statement of the minimum evaluation criteria requirements		**25%**
3	**Electrical Engineering Requirements**				
	3.1	The Contractor to submit the three similar electrical traceable projects that were completed showing the following: • Track record and customer details (list of verifiable references must be provided. • Completion certificate or letter of completion from Client. • Description of work performed (description must be detailed enough to demonstrate that work performed on the project is similar in nature to the works required on this project) • Project cost • Project start and end date	Copies of Completion certificate	**20%**	40%

	3.2	The Contractor to submit the all the CVs of key personnels to be involved including the electrician with master electrician (issue the CoC) to demonstrate the minimum of three (3) or more years of experience in similar work to be performed.	Submit all the CVs and Qualifications		30%
	3.3	The Contractor must be registered with an accredited organization for electrical work.	Submit the registration certificate		10%
	3.4	The Contractor to submit the QCP of the similar work was done in the past.	Submit the example of QCP		20%
4	**Mechanical Engineering (HVAC) Requirements**				
	4.1	**Experience** Submit at least 3 proofs of previous similar work (split air conditioning or similar systems installation). Signed (by all parties involved) completion certificates/Letter. The completion certificate/letter shall reflect the following information. • Project name • Principal contractor • Client • Description of work performed (nature of the work) • Project cost (only for scope completed) • Project start and end date or Duration. • Name, designation and contact number of references person. Where completion certificate/letter does not have also the information as requested above the tenderer shall	Copy of Completion certificates/letters	**15%**	**60%**

		submit the completion certificate/letter with signed contract supporting documents such as Purchase Orders, agreement letters or contract.			
	4.2	**Refrigerant Technician** The contractor or sub-contractor shall provide a CV and qualification N3 of a refrigerant technician that have experience in safe handling of refrigerant	CV indicating the qualifications of the technician.		**40%**
				TOTAL: 100	

Table 5: Qualitative Technical Evaluation Scoring criterion

Qualitative Technical Evaluation returnable		**Score [0,2,4,5]**	**Scoring Criteria**
1	**General Requirements**		
1.1	Project/Construction Manager		5 = CVs and qualifications submitted, CV reflecting 3 or more years of relevant work experience (5 or more years for Technical Qualification). 4 = CVs and qualifications submitted, CV reflecting 2 or more but less than 3 years of relevant work experience (3 or more but less than 5 for Technical qualification). 2 = CVs and qualifications submitted, CV reflecting 1 or more but less than 2 years of relevant work experience (1 or more but less than 3 for technical qualification). 0 = No Submission or incomplete submission or CV reflecting less than 1 year of relevant experience.
1.2	Site Organogram		5 = Organogram that covers all key skills also indicating name of an personnel 4 = Organogram that covers most of the key skills. 2 = Organogram that covers some of the key skills 0 = Organogram does not cover all key skills or doesn't indicate name of personnel
2	**Civil Engineering Requirements**		

2.1	Previous Similar Civil Engineering Projects		5 = 3 or more verifiable proof of similar completed projects 4 = 2 verifiable proof of similar completed projects. 2 = 1 verifiable proof of similar completed project 0 = No submission or submitted proof of previous completed project which are not complying with the requirement.
2.2	Civil Engineering Technician		5 = CVs and qualifications submitted, CV reflecting 3 or more years of relevant work experience. 4 = CVs and qualifications submitted, CV reflecting 2 or more but less than 3 years of relevant work experience. 2 = CVs and qualifications submitted, CV reflecting 1 or more but less than 2 years of relevant work experience. 0 = No Submission or incomplete submission or CV reflecting less than 1 year of relevant experience.
2.3	Civil Scope Method Statement		5 = Work Method Statement submitted with an execution plan. Detailed method statement that covers all the key points of the scope of work 4 = Work Method Statement submitted, missing 2 of the key points. 2 = Work Method Statement submitted, missing 4 or more of the key points 0 = Work Method Statement submitted does not cover any of the key points / no submission
3	**Electrical Engineering Requirements**		
3.1	Copies of Completion certificate		5 = Three or more similar projects were done in the past submitted 4 = Two but less than three similar projects were done in the past submitted 2 = one but less than two similar project was done in the past submitted 0 = No Submission
3.2	Submit all the CVs and Qualifications		5 = CVs and qualifications submitted, CV reflecting 3 or more years of relevant work experience 4 = CVs and qualifications submitted, CV reflecting 2 or more but less than 3 years of relevant work experience 2 = CVs and qualifications submitted, CV reflecting 1 or more but less than 2 years of relevant work experience 0 = No Submission or incomplete submission or CV reflecting less than 1 year of relevant experience
3.3	Submit the registration certificate		5 = The certificate is submitted but it has 3 or more years 4 = The certificate is submitted but it has 2 and less than 3 years 2 = The certificate is submitted but it has 1 and less than 2 years 0 = No Submission

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3.4	Submit the example of QCP		5 = The QCP shows all the required intervention points and also it clearly outlines every task must be completed. 4 = The QCP shows some intervention required points and also it clearly outlines every task that must be completed. 2 = The QCP doesn't clearly defines some tasks correctly. 0 = No Submission
4	**Mechanical Engineering (HVAC) Requirements**		
4.1	Experience		5 = List of previous 3 or more completed projects of split aircons installations (Attach proof of order received, with references). 4 = List of previous 2 completed projects of split aircons installations (Attach proof of order received, with references). 2 = List of previous 1 completed project of split aircons installations (Attach proof of order received, with references). 0 = No list of completed projects attached.
4.2	Technician to have proof of safe handling of refrigerant		5 = Copy of certificate. 0 = No Copy of certificate submitted.

TET MEMBER RESPONSIBILITIES

Table 6: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET3
1.	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	
1.1	X	X	X
1.2	X	X	X
2.1	X		
2.2	X		
2.3	X		
3.1			X
3.2			X
3.3			X
3.4			X
4.1		X	
4.2		X	

3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

Table 7: Acceptable Technical Risks

Risk	Description
1.	Alternative (equivalent) waterproof material product and equipment being used instead of the preferred equipment

Table 8: Unacceptable Technical Risks

Risk	Description
1.	Waterproof material product Equipment that does not operate within the prescribed limits
2.	Performance guarantees not given for the work done
3.	Lack of local support for the equipment or products used
4.	Tenderers who have not executed similar works

3.5.2 Exceptions / Conditions

Table 9: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 10: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Premature failure of the works
2.	Substandard work

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
	System Engineer: Auxiliary Engineering (HVAC)	
	Engineer In Training: Electrical Electrical Engineering	

5. REVISIONS

Date	Rev.	Compiler	Remarks
February 2023	A		First draft
May 2024	B		Incorporate HVAC and Electrical requirement
August 2024	0		Final Document

6. DEVELOPMENT TEAM

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

7. ACKNOWLEDGEMENTS