

	Strategy	Generation
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1. INTRODUCTION

Duvha Power Station Heavy Voltage (HV) yard sump 2 is a component of the station south drainage system. The sump captures both storm and dirty water from the Water treatment plant (WTP), Low pressure services (LPS) and some of the south surrounding areas. Over the past years corrosion has been developing on the sump concrete structure due to seepage of contaminated water from the WTP. The deterioration of the concrete structure has led to seepage of water from the sump to the surrounding area.

The tender evaluation strategy is developed for the purpose of obtaining a technically suitable contractor to repair the HV yard sump concrete structure in Duvha Power Station.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the technical evaluation criteria to be utilised for the process of evaluating the tender submissions for the HV yard sump concrete repairs.

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] 240-168966153: Generation 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] HV yard sump concrete repair scope of work.

2.3 DEFINITIONS

2.3.1 Classification

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

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2.4 ABBREVIATIONS

Abbreviation	Description
HV	High Voltage
LPS	Low Pressure Services
PCM	Process Control Manual
WTP	Water Treatment Plant

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

N/A

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 technical criteria and weighting are broken down as follows:

- a) Technical: 100%
- b) Safety Health Environmental and Quality (SHEQ): Objective

The SHEQ objective criteria are not included in this document as it does not form part of the technical scope.

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

Table 1: Technical Scoring Methodology

SCORE	PERCENTAGE (%)	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none">• Meet the technical requirement(s) AND,• No foreseen technical risk(s) in meeting technical requirements

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4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none"> • Meet the technical requirement(s) with, • Acceptable technical risks AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions
2	40	NON-COMPLIANT <ul style="list-style-type: none"> • 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	Vusi Chirwa	System Engineer: Civil Structures
TET 2	Thilivhali Muthakhi	System Engineer: Civil Structures

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3.3 MANDATORY 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.	None		

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.	Company Experience			30	
	1.1	<p>Completed similar projects.</p> <p>The company must have completed at-least 3 project to ensure competency. The previous completed civil projects must involve concrete works. Completion certificates or completion letters signed by the client must be submitted which reflects the following:</p> <ul style="list-style-type: none"> • Client name, • Project description, (details scope of work if description is not clear) • Project start & end date. • Project location. • Name, designation and contact number of references person. <p>In an event where the completion certificate does not have all the above details, the tenderer shall attach any supporting document that might contain the information to support the completion certificate (e.g., signed contract or purchase order)</p>	Copies of completion certificates		100
2.	Construction Method Statement			30	
	2.1	The methodology needs to describe how the scope will be executed in a safe manner that will not cause harm to the environment and people. The method statement must explain how the following activities will be executed and this should include labour and plant to be used. Construction method statement	Method Statement		100

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		demonstrating understanding of the scope and includes the following as a minimum: <ul style="list-style-type: none"> • Seepage water management and control. • Grouting and concrete repair works. • Corrosion protection application • Earthworks (excavations and backfilling) • Isolation inside the v-ditch to station south drain. • Demolition of all isolation points and rehabilitations. • Filling of possible sinkholes. 			
3.	Project Key Skills			20	
	3.1	PROJECT/CONSTRUCTION MANAGER This covers the experience of the proposed Project Manager for the project with a minimum qualification of a diploma in project management or construction management or civil engineering and at least 5 years of experience in construction industry with at least 3 years in a management position.	CV and Qualifications		60
	3.2	TECHNICAL PERSONNEL (SITE AGENT/ENGINEER) This covers the experience of the proposed technical representative for this project with a minimum qualification of a national diploma in civil engineering, at least 3 years' experience in civil engineering field.	CV and Qualifications		40
				TOTAL: 100	

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
None	N/A	N/A
Qualitative Criteria Number	TET 1	TET 2
1.1	X	X
2.1	X	X
3.1	X	X
3.2	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	CV and qualifications submitted for a Project Manager (PM); the CV reflects that the PM has at least 3 years but less than 5 years' relevant experience Tender returnable 3.1
2.	CV and qualifications submitted for a Site Engineer/Agent; the CV reflects that the Engineer has only 2 years of relevant experience Tender returnable 3.2

Table 7: Unacceptable Technical Risks

Risk	Description
1.	CV and qualifications submitted for a Project Manager (PM); the CV reflects that the PM has at least 1 year but less than 3 years of relevant experience Tender returnable 3.1
2.	CV and qualifications submitted for a Site Engineer/Agent; the CV reflects that the Engineer has only 1 year of relevant experience Tender returnable 3.2

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Only 2 verifiable completion certificates for similar projects submitted (Tender returnable 1.1)
2.	A detailed method statement submitted, covering most of the listed key points (4 or more) key points (Tender returnable 2.1).

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Only 1 verifiable completion certificates for similar projects submitted (Tender returnable 1.1)


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2.	A detailed method statement submitted, covering most of the listed key points (less than 4) key points or the method statement submitted is a copy and past of the scope or does not detail how the works will be conducted. (Tender returnable 2.1)
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4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Thilivhali Muthakhi	System Engineer: Civil and Structures	

5. REVISIONS

Date	Rev.	Compiler	Remarks
May 2024	A	V Chirwa	Draft for Review
May 2024	0	V Chirwa	Final draft

6. DEVELOPMENT TEAM

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

Thilivhali Muthakhi

7. ACKNOWLEDGEMENTS

None

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