Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation Strategy for Camden WTP clarifier tanks structural repairs**

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Compiled by	Functional Responsibility	Authorised by
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Civil Engineer	**Manager Auxiliary Engineering**	**Engineering Manager**
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TABLES

1. INTRODUCTION

A structural inspection was carried out on the Water Treatment Plant at Camden Power Station. The inspection report recommends that these structures must undergo both external and internal structural rehabilitation. The WTP clarifiers consists of a structural steel frame and reinforced concrete structure. The Clarifiers are supported over a grid of reinforced columns and beams, with a shell of reinforced concrete walls and steel handrailing at the top. The function of the clarifier tanks is to remove sediment from the raw water.

This document outlines the strategy and criteria that is to be used to evaluate the technical eligibility of various service providers and to determine which service provider is best suitable and capable to execute the scope of work.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document is to capture the Tender Technical Evaluation Strategy for Camden WTP clarifier tanks structural repairs. The scope of the project is specifically described in the Camden Water Treatment Plant Clarifier Tanks structural repairs scope of work.

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 the Tender Evaluation Team for the Tender Technical Evaluation Strategy for Camden WTP clarifier tanks structural repairs

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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

2.2.2 Informative

[2] 240-150130392 – Water Treatment Plant Clarifier Tanks Structural repairs – Scope of Work

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
WTP	Water Treatment Plant
SHEQ	Safety, Health, Environment and Quality
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

None

3. TENDER TECHNCIAL EVALAUTION 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 is broken down as follows:

a) Engineering: 70%

The evaluation strategy for Planning, Safety Health and Environmental as well as Quality is not included in this document as it does not form part of the Engineering scope. 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.
The scoring method will be as follows:

SCORE	PERCENTAGE	DESCRIPTION
5	100	**COMPLIANT** • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.
4	80	**COMPLIANT WITH ASSOCIATED QUALIFICATIONS** • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions.
2	40	**NON-COMPLIANT** • Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.
0	0	**TOTALLY DEFICIENT OR NON-RESPONSIVE**

The evaluation scores will be weighted as follows according to disciplines:

Engineering (70%)	
Civil Engineering	70%
Project Management (30%)	
Overall minimum threshold for qualification (70%)	

3.2 TET MEMBERS

Table 1: Core TET Members

TET number : Section to be evaluated	TET Member Name	Designation
TET 1: Civil Engineering	Nkanyiso Shozi	System Engineer
TET 2: Civil Engineering	Landiswa Mapukata	Senior Technician Maintenance

Table 2: Optional TET Members

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable
1.	5 years relevant experience (track record) – Steel & reinforced concrete structural repairs as the maincontractor:	- Tenderer must submit proof of previous Steel & reinforced concrete structural repairs contracts as appointment letters and completion certificates - Start and finish must be included on an appointment letters and completion certificates - Appointment letters and completion certificates must be signed by both parties (i.e. Client and tenderer)
2.	CIDB Level 4 CE	Tenderer must submit a valid CIDB certificate

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.	**Civil Engineering**			**100**	
	1.1	Availability of plant and equipment for execution of the project: • A list of plant and equipment to be used to execute the work and the Tenderer to state the availability of the required plant and equipment as per the proposed key date schedule taking the start and end date into consideration	-Tenderer must submit a list of available plant /equipment for the execution of the scope	25	
	1.2	Key Resource Requirements for the site team: • Demonstrate how many proposed key personnel have worked on similar projects, • CV's demonstrating that each of the proposed key resources have a minimum of 10 years' experience (construction manager, site engineer), Construction manager to be professionally registered with SACPCMP. Copy of registration certificate to be provided. • Organogram of site team	-Tenderer must submit certified qualification certificates for their site key resources -Tenderer must submit CV`s of their site team key resources demonstrating their experience in similar scope of work -Tenderer must submit Site or Construction Manager`s certified SACPCMP registration certificate. -Tenderer must submit an organogram of the site team with their roles and it must be signed by the tenderer	25	
	1.3	Method Statement which describes how the scope will be executed: • The method statement must cover the design methodology as well as the construction methodology, also	- Tenderer must submit a method statement detailing all the activities defined in the SOW	25	

		indicating how inflow into the dam during construction will be managed.	- Method statement must be approved and signed by the tenderer		
	1.4	A Proposed Schedule encompassing: • The CPM (Critical Path Method) technique is used for programme and planning. • The programme has in it, hold-points for approving of the works by the Employer's professional team (i.e. key milestones are incorporated into programme). The works is completed within accepted durations that are in consistence within the start and hand-over/completion dates provided for in the contract data.	- Tenderer must submit a detailed level three programme - The programme must be signed by the tenderer.	25	

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
1	X	X
2	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**
1.1	X	X
1.2	X	X
1.3	X	X
1.4	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	**N/A**

Table 7: Unacceptable Technical Risks

Risk	Description
1.	**N/A**

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

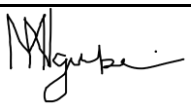
Risk	Description
1.	**N/A**

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	**N/A**

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Mthokozisi Ngubeni	Manager common plant Maintenance	

5. REVISIONS

Date	Rev.	Compiler	Remarks
April2021	0.0	N. Shozi	Final document

6. DEVELOPMENT TEAM

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

N/A

7. ACKNOWLEDGEMENTS