Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation Strategy for Camden West Cooling Towers Rehabilitation Project**

Unique Identifier: **229-T2168**

Alternative Reference Number: **N/A**

Area of Applicability: **Engineering**

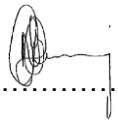
Documentation Type: **Strategy**

Revision: **1.0**

Total Pages: **1**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

Compiled by	Functional Responsibility	Authorised by
		
N. Shozi	**O Tilodi**	**M Mathabatha**
Civil Engineer	**Manager Auxiliary Engineering**	**Engineering Manager**
Date: 2022/10/28	Date: 2022/11/04	Date: 04/11/2022

CONTENTS

TABLES

1. INTRODUCTION

The west side of the station between the cooling towers requires reshaping and lowering of the ground level in order to allow flow of surface run-off into the stormwater inlet. The ponding water has now formed an artificial wetland which is an environmental contravention. In addition to the ground level being high, water from surface run-off during rainy season does not drain into stormwater inlets and end up forming ponds around the area. Thus lowering of the entire terrace is necessary to allow stormwater drain system to drain clean water to the north and south station drains and get discharged into relevant dams. Also, there's a design requirement for finger/subsoil drain system around cooling towers in order to eliminate ponding water around cooling towers.

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's best identify and include all items required to form a complete, reliable, fit for purpose operating works, which complies with all the requirements as stipulated in the works information.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document is to capture the tender technical evaluation strategy for the Camden West Cooling Towers Rehabilitation project.

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 Camden West Cooling Towers Rehabilitation project.

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] 32-1034: Eskom Procurement Policy

2.2.2 Informative

[3] Eskom Specification QM-58: Supplier Contract Quality Requirements 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
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	EDWL: Civil Engineer
TET 2: Civil Engineering	Landiswa Mapukata	Senior Technician Civil Maintenance

3.3 MANADATORY 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.	Relevant experience (track record) – stormwater & earthworks design and construction as the main contractor: The tenderer submits: • A list of traceable references which adequately proves that the tenderer has at least completed two (2) design and construction contracts successfully of similar scope i.e. stormwater design and construction in the last five (5) years. • A copy of the lead design engineer/s Pr. Eng./Pr. Tech. Eng. certificate	-Tenderer must submit appointment letters and completion certificates(signed by both parties i.e. employer and the contractor) of their (2) previous stormwater & earthworks design and construction contracts - Tenderer must submit a certified copy of their lead design engineer/s Pr.Eng. or Pr. Tech Eng. certificate	Capability Constraint
2.	Tenderer submits a valid grade 6CE	The tenderer must submit a valid CIDB certificate	

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.				**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 their plant to be used during execution. If the tenderer intend to hire the plant, thus the tenderer must submit a lease agreement letter signed by both parties.	20	
	1.2	Key Resource Requirements for the design team: • Demonstrate how many proposed key personnel have worked on similar projects, • CV of the lead design engineer/s professionally registered as Engineer or Technologist demonstrating a minimum of 5 years' relevant experience • Organogram of design team • If any of the resources are to be sub-contracted a letter of intent should be included in the submission	-Tenderer must submit CV`s of their design key personnel demonstrating experience on similar projects. -Tenderer must submit the lead designers CV demonstrating a minimum of 5 years relevant experience in stormwater & earthworks design -Tenderer must submit an organogram of their proposed design team - Tenderer must submit a letter of intent signed by the tenderer and their design sub-contractor.	25	

	1.3	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 5 years' experience (construction manager or site manager), Construction manager or site manager to be professionally registered with SACPCMP.. • Organogram of site team • If any of the resources are to be sub-contracted a letter of intent should be included in the submission.	-Tenderer must submit copies of their proposed site key personnel demonstrating experience in similar projects. The proposed construction or site manager must have a minimum of 5 years' experience -Tenderer must submit a certified copy of their Construction manager`s or site manager`s SACPCMP professional registration certificate -Tenderer must submit an organogram of their proposed site team in relation to the project - Tenderer must submit a letter of intent signed by the tenderer and their site sub-contractor.	25	
	1.4	Method Statement which describes how the scope will be executed: • The method statement must cover the design and construction methodology.	-Tenderer must submit a detailed method statement demonstrating design and construction methodology approach.	15	
	1.5	A Proposed level three 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 level 3 activity schedule/ programme demonstrating the construction activities	15	

3.5 TET MEMBER RESPONSIBILITIES

Table 4: 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
1.5	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
Landiswa Mapukata	Senior Technician Maintenance	

5. REVISIONS

Date	Rev.	Compiler	Remarks
October 2022	1.0	N. Shozi	Final document

6. DEVELOPMENT TEAM

N/A

7. ACKNOWLEDGEMENTS

N/A