

Title: **Medupi Power Station CDD
water site irrigation system
technical evaluation criteria
strategy**

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Date: 20 July 2022

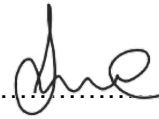
Functional Responsibility



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1. INTRODUCTION

Medupi Power Station is currently at risk with raw water supply. Mokolo dam is at 40%, the station's water use licence is at risk of being cut. The station has been tasked to implement water saving measures to ensure supply. Switching irrigation of lawns from portable to clean dam is a way to save water, hence the execution of the project.

2. SUPPORTING CLAUSES

2.1 SCOPE

The document describes the acceptable and unacceptable risks and qualifications and /or conditions.

The Tender Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation criteria
- Qualitative Evaluation criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

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 Medupi Power Station Tender Evaluation Team for the CDD water site irrigation system project in accordance with the authorised Procurement strategy.

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] 241-2022112: Medupi Power Station CDD water site irrigation system scope of work

2.2.2 Informative

- [1] NEC 3 Supply Contract

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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
CDD	Clean and Dirty Dam
MMD	Mechanical Maintenance Department
NEC	New Engineering Contract
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

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.

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3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Katlego Mathibedi	Snr Engineer
TET 2	Mufarisi Manyuha	System Engineer
TET 3	Nyameko Mkhathshane	System Engineer
TET 4	Justin Williams	System Engineer
TET 5	Tshepo Sethosa	Acting Line Manager: MMD Aux
TET 6	Zolisa Gaga	Snr Supervisor: MMD

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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.	Proof of ECSA Professional Registration (Mechanical/Civil Engineering)	Provide Proof of ECSA Professional Registration of the design engineer as per Doc 241-2022112 CDD water site irrigation system scope of work section 3.1	To ensure that the design and engineering works have been prepared by a fully qualified person.
2.	Unlimited IP rights to Eskom for drawings and design work	Statement providing Eskom with unlimited IP rights to drawings and design work as per Doc 241-2022112 CDD water site irrigation system scope of work section 3.11 point 11	To ensure that the design and engineering works have been prepared for Eskom and will be owned by Eskom.
3.	CIDB Class Civil Engineering (CE) or Mechanical Engineering Works (ME), Grade 2 minimum	-	To ensure that the supplier has been accredited to perform works as per the scope of work

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Score	(%)	Definition
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

Note 1: The scoring table does not allow for scoring of 1 and 3.

Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Design proposal		Supplier to provide a design proposal of the system	70	
	1.1	High-level Proposal – with designs	High-level proposal with preliminary drawings and design calculations		70
	1.2	High level Proposal – no designs, but with materials	High-level proposal based on similar experiences, rules of thumb, but with material specified		40
	1.3	No proposal	No proposal provided		0
2.	Project execution plan		Supplier to provide a project plant	10	
	2.1	Professional project plan	Project plan on professional software such as MS Project		10
	2.2	Tolerable project plan	Project plan on non-project planning software such as MS Excel		8
	2.3	Basic project plan	High-level basic project plan with only key milestones and dates		4
	2.4	Inadequate project plan	No project plan or high-level project plan but without dates		0
3.	Previous experience		Supplier to provide two previous purchase orders (or detailed invoices) of similar services as proof of prior experience	10	

	3.1	Previous orders	Two Purchase orders (or detailed invoices) of similar work as per the scope of work		10
	3.2	Previous orders	One purchase order (or detailed invoice) submitted for similar work as per the scope of work		8
	3.3	Previous orders	Purchase order (or detailed invoices) submitted but not for similar work to the scope of work		4
	3.4	Previous orders	No purchase order or invoices submitted		0
4.	Material list		Supplier to provide a list of material he will use to complete the project	10	
	4.1	Comprehensive list of material	A comprehensive list of material as well as accessories, including specifications		10
	4.2	Average list of material	A list of material without specifications and/or prices		3
	4.3	No material list	No material list provided		0
				TOTAL: 100	

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
1	X	X	X	O	O	O
2	X	X	X	O	O	O

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Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
1	X	X	X	O	O	O
2	X	X	X	O	O	O
3	X	X	X	O	O	O
4	X	X	X	O	O	O

Legend: X – Mandatory; O - Optional

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.	Mandatory criteria 1 not evaluated and/or satisfied.

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Declining to provide technical details accurately deemed intellectual proprietary

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification not accepted.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Assa Lekoloane	Project Co-ordinator
Mufarisi Manyuha	System Engineer
Nyameko Mkhathshane	System Engineer
Justin Williams	System Engineer
Tshepo Sethosa	Acting Line Manager: MMD Aux
Zolisa Gaga	Snr Supervisor: MMD
Jessica Maboya	Senior Advisor: Group Procurement & Supply Chain Management
Levious Mocheko	Snr Advisor Supplier Development
Thomas Chuene	Officer Supplier Development
Sebenzile Tshabalala	Snr Advisor Quality Assurance
Sonny Bapela	Officer Project Accounting
Dimakatso Khosa	Snr Advisor Quantity Surveying
Justice Mphahlele	Manager Project Support
Mzi Dyariwe	Officer Procurement

5. REVISIONS

Date	Rev.	Compiler	Remarks
May 2022	2	K Mathibedi	Changes made after Cross Functional Team (CFT) meeting 12 Jul. 22 Added CIDB requirements to Sec.3.3 Changed Section 3.4 requirements with recommendations from the CFT meeting
May 2022	1	K Mathibedi	Final reviewed draft
May 2022	0	K Mathibedi	Initial draft

6. DEVELOPMENT TEAM

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

Katlego Mathibedi

7. ACKNOWLEDGEMENTS

N/A

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