Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation Strategy – Metsimaholo and North Dam Pumping System.**

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Compiled by	Functional Responsibility	Authorised by
P.P		
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TABLES

1. INTRODUCTION

Matimba dust suppression system currently receiving water from the irrigation pond through the five (5) irrigation pumps. It has been identified that the current dust suppression system at the Ash Dump is not effective. Due to the nature of the progressive growth of the Ash Dump, the dust suppression system is being extended forward. With these ash dump modifications, the current irrigation pumps are not sufficient in terms of giving the required pressure and flow.

This has resulted in huge dust issue around the ash dump and Lephalale community as the whole because where ash is exposed and there is not enough dust suppression happening. The project looks to ensure that the dust suppression and irrigation systems are available and reliable to ensure that all areas of exposed ash received dust suppression and that the rehabilitated side of the Ash Dump is properly irrigated.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope in this Tender Technical Evaluation Strategy covers the technical requirements that will be applied during the technical evaluations phase of the tender to guide in evaluating the proposals received from the market to appoint the suitable contractor to design, supply, install and commission the Metsimaholo and North dam pumping system.

Technical Evaluation Strategy (TTES) defines the following with regards to this works:

- Mandatory Evaluation Criteria
- Qualitative Evaluation Criteria
- Technical Evaluation Team (TET) Member Responsibilities
- Acceptable / Unacceptable Qualifications

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the 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 Matimba Power Station Metsimaholo and North Dam Pumping System.

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] ISO 9001 Quality Management Systems.

[3] Occupational Health and Safety Act, Act 85 of 1985.

2.2.2 Informative

[4] 240-53716726: Tender Technical Evaluation Scoring Form Template.

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
ISO	International Organization for Standardization
TET	Tender Evaluation Team
TTES	Tender Technical Evaluation Strategy

2.5 ROLES AND RESPONSIBILITIES

Roles and responsibilities are as per 240-168966153: Generation 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

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

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 & PROFESSIONAL BODIES** • 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.		

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Sizwe Buthelezi	Mechanical Engineer
TET 2	To be appointed during evaluations	Mechanical Engineer
TET 3	Wandile Mjuqu	Electrical Engineer
TET 4	To be appointed during evaluations	Electrical Engineer

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.	All discipline (Mechanical & Electrical) design engineers are required to be professionally recognised/registered engineer/technologist with ECSA.	Provide valid ECSA certification.	Design Integrity (requirement for all individuals performing engineering design work).
2.	Contractor to be registered with Construction Industry Development Board (CIDB) as level 7ME or above.	Provide proof of registration with CIDB	Contractor's capability to execute the scope.

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.	**Company's Capacity to execute the works**				**45**		
	1.1	Company's experience in design, supply and installation of the water Pumping system.	The contractor must have successfully completed similar projects with similar scope of work. Client references with contact details, **And** Scope of the completed project which include start and end dates, **And** Signed completion certificates.		5 or more completed water pumping system projects.	5	**45**
					3 to 4 completed water pumping system projects.	4	
					1 to 2 water pumping system projects.	2	
					Not submitted. Projects experience not relevant or satisfactory. No design experience.	0	
2.	**Technical Capability and Approach**				**45**		
	2.1	Design Proposal and method statement (Mechanical)	2.1.1	Method statement clearly demonstrate compliance with the full scope of works as detailed in the works information. Method statement must include but not limited: • Technical proposal (system	Comprehensive & innovative solution ; Method Statement(s) demonstrates good understanding of the scope of work and meet mechanical technical requirement(s)	5	**15**
					Good design; Method statement(s) has partial limitation /partial understanding of the scope of work	4	

				design & methodology) • Preliminary P&IDs & Process flow diagram/3D • Installation, Commissioning and Testing Procedure	Method Statements lack details and does not meet mechanical technical requirement(s)	2	
					No method statement submitted.	0	
	2.2	Technical Data sheets		Tenderer to provide technical data sheet for the pumps as per the scope requirement.	All data sheets submitted and complied with the specification as per scope.	5	5
					All submitted but one does not meet the specification.	2	
					No data sheet submitted/ data sheet submitted not relevant	0	
	2.3	Team Qualifications and Competence		Provide CV's and qualification of Key personnel for Mechanical works. • Mechanical Engineer/Technologist • Site Manager/Supervisor • Mechanical Fitter	Mechanical Engineer/Technologist, Site manager, and Mechanical fitter has 5 or more years' relevant experience.	5	10
					Mechanical Engineer/Technologist, Site manager, and Mechanical fitter has 3 to 4 years' relevant experience.	4	
					Mechanical Engineer/Technologist, Site manager, and Mechanical fitter has 1 to 2 years' relevant experience.	2	

					No submission or submitted with deviations.	0	
	2.4	Electrical works	2.4.1	Method statement clearly demonstrate compliance with the full scope of works as detailed in the works information. Method statement must include but not limited: Concept/Basic Design, electrical connection diagram and electrical interface.	Method Statement(s) demonstrates good understanding of the scope of work.	5	**10**
					The method statement submitted explains how some of the activities on the scope will be executed but not all of them.	4	
					The method statement provided is not applicable to the scope or refers to other work or work done in the past.	2	
					No method statement submitted.	0	
			2.4.2	CV's and qualification of Key Resources personnel for electrical works • Electrical Technician	Key personnel with 5 or more years' relevant experience.	5	5
					Key personnel with 3 to 4 years' relevant experience.	4	
					Key personnel with 1 to 2 years' relevant experience.	2	
					No submission or submitted with deviations	0	
3.	**Delivery and Installation Schedule**				**10**		
	3.1	**P**roject Schedule	Tenderer to provide a detailed project schedule that indicates critical project		Realistic, detailed schedule less than 6 months or less is submitted which indicates all critical project milestones	5	**10**

			milestones and durations.			
				High level schedule between 7 to 8 months is submitted and indicates project milestones.	4	
				Over 8 months project schedule submitted and missing critical project milestones	2	
				Project schedule not submitted, or schedule is not relevant to the scope.	0	
				TOTAL: 100		

Mandatory Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 3**

	X	X	X	X
	X	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	
1.				
1.1	X	X		
2.				
2.1	X	X		
2.2	X	X		
2.3	X	X		
2.4				
2.4.1			X	X
2.4.2			X	X
3.				
3.1	X	X		

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	None

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Exclusions of scope specified in the scope of work
2.	The tenderer's staff have insufficient experience.
3.	Incorrect pump duty or flow rates below specification

3.5.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Alternative pump mounting.

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	**N/A**

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Sizwe Buthelezi	LPS System Engineer
David Du Plessis	LPS System Engineer
Wandile Mjuqu	Electrical Engineer In-Training
Gift Nkuna	Auxiliary Engineering Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
July 2025	1.0	SM Buthelezi	New Document
March 2026	2.0	SM Buthelezi	Adding CIDB requirement to the strategy.

6. DEVELOPMENT TEAM

- Sizwe Buthelezi
- Wandile Sithole

7. ACKNOWLEDGEMENTS

N/A