
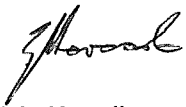

	Strategy	Matla Power Station Generation
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Title Tender Technical Evaluation Strategy Matla South Cooling tower (1-3) and North Cooling tower (4-6)	Unique Identifier Alternative Reference Number Area of Applicability Documentation Type Revision Total Pages Next Review Date Disclosure Classification	 N/A Turbine Plant Strategy 1 11 N/A CONTROLLED DISCLOSURE
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Date	Date 29/01/2024	Date 29/01/2024

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Cooling tower (1-3) and North Cooling tower (4-6)**

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1. INTRODUCTION

This tender technical evaluation strategy explains exactly how the tenders will be evaluated for inspection, refurbishment, and repairs on all six cooling tower three on the North and three on the South at Matla Power Station

2. SUPPORTING CLAUSES

2.1 SCOPE

This document concerns the inspection, refurbishment, and repairs on all six-cooling tower three on the North and three on the South at Matla Power Station

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

Applicable to Matla Power

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

2.3 DEFINITIONS

None

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
QC	Quality Control
QCP	Quality Control Plan
SA	South Africa
OEM	Original Equipment Manufacturer
TET	Tender Evaluation Team
QMS	Quality Management System

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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

Tender Technical Evaluation Scoring Form

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 70%

3.2 TET MEMBERS

(Technical evaluation team members will be appointed by the committee)

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1		
TET 2		

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3.3 MANDATORY EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Evaluation Criteria	Reference to Technical Specifications	Motivation and Comments
1	<p>MANDATORY REQUIREMENTS/GATEKEEPERS:</p> <p>Equipment, specifications, and their quantities to be listed All mandatory items listed below must comply with the scope to be acceptable</p> <p>1 Diesel Pumps for HP cleaning (minimum of 3 pumps required) - Minimum discharge pressure of 350 bar, minimum flowrate of 45l per second</p> <p>2 Diesel Pumps for pond draining with total flowrate capacity of 750m³/h and minimum discharge head of 3 bar</p> <p>3 Cleaning (type, flow rate, pressure rating)</p>	Attach proof of ownership and specification of items stated	Required equipment to execute the scope effectively

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA Table 3:

Qualitative Technical Evaluation Criteria



EVALUATION CRITERIA- Technical Selection Criteria

TECHNICAL CRITERIA - TECHNICAL SELECTION CRITERIA-Clean and Repair of Cooling Towers 1-3 and 4-6

KPA - Area of Evaluation	Weight (%)	KPI - Criteria Evaluation Indicator	Minimum Criteria Evaluation Requirements	Source	Unit	Scale			Score	TOTAL RATING	
Company	15%	Experience	Number of HP Cleaning (>350 bar)	Reference list of completed work with evidence of completion (submit completion certificate or signed off QCP for each project)	%	Not submitted = 0%	3-5 relevant projects =40%	6-7 relevant projects = 80%	8+ relevant projects = 100%		
Profile Site manager	15%	Technical resources	N6 Mechanical Diploma with minimum of 4 completed relevant projects	CV including technical qualifications /experience and employment, mention where each HP cleaning project was executed	%	Not submitted or less than 4= 0%	4-5 relevant projects executed = 40%	6-7 relevant projects executed = 80%	8+ relevant projects executed = 100%		
Profile Supervisor	15%	Technical resources	N6 Mechanical Diploma with a minimum of 2 relevant completed projects	CV including technical qualifications / experience and employment, mention where each HP cleaning project was executed	%	Not submitted or less than 2= 0%	2-3 relevant projects executed OR technical Qualification= 40%	4- 5 relevant projects executed = 80%	6 relevant projects executed = 100%		
Profile High pressure Cleaning Operators	10%	Technical resources	Certification in water jet cleaning/experience in HP cleaning (300 bar)	CV including qualifications / experience and employment (minimum 4 CV's)		Not submitted= 0%	4 trained operators with 4-5 relevant projects executed and HP water jetting	4 trained operators with 6-7 relevant projects executed and HP water jetting	4 trained operators with 8+ relevant projects executed and HP water jetting		

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			min) Minimum of 4 operators required				qualification/training certification = 40%	qualification/training certification = 80%	qualification/training certification = 100%		
Method Statement Sequential description of how the tower will be cleaned	25%	Technical compliance	Full method statement for project execution	Describing activities and sequence of the execution of the scope (estimate time to execute activities) Scope to include Cleaning of 1 Pond sludge 2 Algea 3 Diametric Ducts 4 Nozzles 5 Distribution pipes	%	<i>Missed any 3 or more out of the 5 areas in the scope of work = 0%</i>	<i>Missed 2 out of the 5 areas in the scope of work = 0</i>	<i>Missed any 1 out of the 5 areas in the scope of work = 0%</i>	<i>cleaning of all 5 tower areas as mentioned in the scope = 100%</i>		
Quality	20%	Quality control	Submit a detailed QCP for the project detailing intervention points of contractor	Example of QCP relevant to scope and cover 1 Pond 2 Algea cleaning 3 Diametric Ducts 4 Nozzles 5 Distribution pipes	%	<i>Not compliant= 0%</i>	<i>Missed 2 out of the 5 areas in the scope of work = 0</i>	<i>Missed any 1 out of the 5 areas in the scope of work = 0%</i>	<i>All 5 areas mentioned step by step with hold points) = 100%</i>		

ONLY TECHNICAL SUITABLE IF TOTAL SCORE IS EQUAL TO OR GREATER THAN 70%

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3.5 TET MEMBER

RESPONSIBILITIES Table 4: TET

Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
1		
2		
Qualitative Criteria Number	TET 1	TET 2
1		
2		

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3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1	Contractor that has not previously done work for Eskom but has worked on cooling towers or heat exchanger previously

Table 6: Unacceptable Technical Risks

Risk	Description
1	Contractor does not have diesel pumps or have no proof of agreement to hire and use hired pumps from other contractors

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1	N/A
1	
2	
3	

4	
5	
6	

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1	N/A
2	
3	
4	
5	
6	
7	

4. AUTHORISATION

This document has been seen and accepted by

Name	Designation	Signature
Zain Karodia	Turbine Engineering Manager	

5. REVISIONS

Date	Rev.	Compiler	Remarks
07 August 2023	0	T Mkhonza	Original document

6. DEVELOPMENT TEAM

The following people were involved in the development of this document

- T Mkhonza

7. ACKNOWLEDGEMENTS

None

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