

	Strategy	Engineering
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Compiled by



Mzwandile Gcaleka
Boiler Eng Senior
Advisor
Matla Power Station

Date 2022/11/11

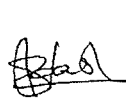
Reviewed By



Sylvester Mhlongo
Senior Engineer
Matla Power Station

Date 2022/11/11

Supported by



Xolani Dashe
Manager C&I
Maintenance
Matla Power Station

Date 14/11/2022

Authorised By



Lindokuhle Ngobese
Engineering
Manager
Matla Power Station

Date 16/11/2022

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1. INTRODUCTION

Matla Power Station require a service for correlation and parallel (QAL2) tests

2. SUPPORTING CLAUSES

2.1 SCOPE

Perform maintenance correlation tests and parallel (QAL2) tests

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

Matla Power station South stack (common stack) and unit 4-6

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] 240-56242363 Emissions standard

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
QAL2	Quality Assurance level 2
TET	Technical evaluation Team
SANAS	South African National Accreditation Standard

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2.5 ROLES AND RESPONSIBILITIES

N/A 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

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Mzwandile Gcaleka	Senior Advisor
TET 2	Sylvester Mhlongo	Senior Engineer
TET 2	Nkululeko Mhlanga	Senior Advisor

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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	Service provider shall be SANAS accredited	Returnable Valid SANAS accreditation certificates	This is in line with new requirements for service providers for correlation and parallel test to be SANAS accredited
2	Full correlation report from previous correlation test on a smoke stack with more than 5 meters in diameter	Returnable Full correlation report on a smoke stack with more than 5 meters in diameter	South stack diameter is 18 meters and testing on this larger diameter smoke stack is challenging and have different dynamics on testing positions
	Result Note A response of "NO" to any of the Mandatory Evaluation Criteria would result in a disqualification		

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

KPA - Area of Evaluation	KPI - Criteria Evaluation Indicator	Minimum Criteria Evaluation Requirements	Reference to Technical Specification / Tender Returnable	Weight (%)					Score TOTAL Weighted RATING
Company Profile and Capability	Evidence of historical stack correlation and parallel testing	Previous correlation and parallel test	Submit proof of previous order or test signed reports for correlation and parallel testing The report must be have a signature of service provider and a client	30%	(Score 0) No Submission Or Completed zero correlation test and zero parallel tests	(Score 40) Proof of only 1 correlation tests and 1 parallel test completed on a stack with a diameter greater than 5m	(Score 80) Proof of 3 correlation tests and 3 parallel test completed on a stack with a diameter greater than 5m	(Score 100) More than 4 correlation tests and 4 parallel tests completed on a stack with a diameter greater than 5m	
Method statement on how to carry correlation & parallel testing on the stack based on Emission Standards emission standard 240-56242363	Detailed Method Statement shall be developed to address the scope. The supplier shall demonstrate in details how the requirements of the scope will be met/executed and any requirements from the employer in regard to correlation and parallel test	Method Statement for Correlation and Parallel Testing	Method statement shall cover the following 1 Test procedure for correlation test in line with minimum emission standard 241-56242363 [10 Points] 2 Test procedure for parallel test in line with	25%	(Score 0) No Method statement submitted OR Method statement score ≤20 points	(Score 40) Method Statement Score 30 Points	(Score 80) Method Statement Score 40 Points	(Score 100) Method Statement Score 50 Points	

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			minimum emission standard [10 Points] 3 Calculations used previously to develop correlation curves from the measured pollutants. This must include curve, air to gas, velocity, moisture, O2 and CO2 factors [10 Points] 4 Calculations used previously to develop parallel tests curves from the measured pollutants include all factors [10 points] 5 Requirements for correlation tests during testing [10 points]						
Turnaround time from correlation and parallel tests completion to report issue	Signed letter indicating time (in weeks), it will take to issue full report to the station for each unit completed	Report submission turnaround time	Signed letter indicating the turnaround time from completion of the tests to report issue	15%	(Score 0) No submission OR Longer than 8 weeks	(Score 40) 7-8 weeks after stack testing	(Score 80) 5-6 weeks after stack testing	(Score 100) 0- 4 weeks after stack testing	
Test Program	Test program with requirements for correlation and parallel tests	Test program and requirements for the station	Previous program or new drafted program. Specify the requirements for the station during the testing	15%	No submissions	criteria 4&5	criteria 2&3	criteria 1&2	

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			[1] Correlation test program that covers 13-15 tests and requirements for the station before, during after testing [2] Parallel test program that covers 15 tests and requirements for the station before, during after testing [3] Correlation test program that covers 12 tests and requirements for the station before, during after testing [4] Correlation test program that covers less than 12 tests and insufficient or no requirements for the station before, during after correlation [5] Parallel Test program that covers less than 15 tests and insufficient or requirements for the station before, during after correlation						
Skilled Personnel	CV indicating Qualifications, Experience and	Qualifications, Experience and Emission Tester Certification/Training	Submit a CV with proof of qualification, certification or proof of training (Submit certified copy of	15%	(Score 0) No	(Score 40) ≥ 2 to 3	(Score 80) ≥ 4 to 5	(Score 100) > 5 years	

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	training on emission testing		qualifications and all relevant required certificates Certificates must be certified within 3 months) [1] Grade 12 + Technical Qualification - N3 or higher, National Diploma in Engineering or BSc Engineering [2] Stack tester Certification - Trained as a Smoke stack Tester for the purpose of Correlation and parallel testing		submission Or No certificates attached or Experience < 2 years	years plus criteria 1&2	years plus criteria 1&2	plus criteria 1&2	
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3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
1	X	X
2	X	X
3	X	X
Qualitative Criteria Number	TET 1	TET 2
1	X	X
2	X	X
3	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1	Supplier tender that has not supplied previously to Eskom
2	
3	
4	
5	
6	
7	

Table 6: Unacceptable Technical Risks

Risk	Description
1	
2	
3	
4	
5	
6	
7	

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

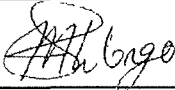
Risk	Description
1	
1	
2	
3	
4	
5	
6	

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1	
2	
3	
4	
5	
6	
7	

4. AUTHORISATION

This document has been seen and accepted by

Name	Designation	Signature
Mzwandile Gcaleka	Senior Advisor Boiler Engineering	
Sylvester Mhlongo	Senior Engineer	
Katlego Mangope	Manager C&I Engineering	
John Makuleka	Boiler Engineering Manager	
Lindokuhle Ngobese	Engineering Manager	

5. REVISIONS

Date	Rev.	Compiler	Remarks
26 January 2022	0	M Gcaleka	Original document
November 2022	01	M Gcaleka	Updated Mandatory requirement and qualitative with more KPI's

6. DEVELOPMENT TEAM

The following people were involved in the development of this document

- Mzwandile Gcaleka
- Sylvester Mhlongo
- Katlego Mangope

7. ACKNOWLEDGEMENTS

None

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