Eskom	Strategy	Engineering

Title:	**Duvha Emissions Particulate Correlation and Gaseous Parallel Tests Technical Evaluation Strategy**	Unique Identifier:	**559-413402193**
		Alternative Reference Number:	**N/A**
		Area of Applicability:	**Engineering**
		Documentation Type:	**Strategy**
		Revision:	**1**
		Total Pages:	**13**
		Next Review Date:	**N/A**
		Disclosure Classification:	**CONTROLLED DISCLOSURE**

Compiled by	Functional Responsibility	Authorised by
…….	…….	…….
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Date: 2026/03/11	Date: 2026/03/11	Date: 2026-03-11

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TABLES

1. INTRODUCTION

The objective of the scope is to conduct Particulate Emissions Correlations and Gaseous QAL2 parallel tests at Duvha Power Station for a period of 5 years. The particulate emissions monitor correlation tests will be done on the dust monitors installed at 200-meter level and the QAL2 parallel tests level will be done on the gaseous monitors installed at 150- meter level on a two-yearly basis at the South and North smoke stack.

The technical evaluation strategy has defined the mandatory and qualitative evaluation criteria which serve as a basis for the technical evaluation process.

2. SUPPORTING CLAUSES

2.1 SCOPE

The PM emissions correlation and QAL 2 parallel tests to be performed as per Emission Monitoring and Reporting Standard (240-56242363) section 3.7 and shall be conducted at least once every 2 years by a SANAS accredited stack testing service provider on both stack (North & South) at Duvha Power Station.

High level scope of the works:

(1) Full correlation test for Unit 1 & 2 (FFP), include particle size distribution (15 tests).

(2) Full correlation test for Unit 4, 5 & 6 (ESP), include particle size distribution (18 tests).

(3) Spot check correlation test (minimum of 5 tests).

(4) Gaseous Parallel test for five (5) Units (minimum of 3 days).

(5) Gaseous Surveillance test for five (5) Units (minimum of 5 tests).

(6) Electrostatic Precipitator (ESP) efficiency measurement test.

(7) PM Emissions measurement during upset conditions (minimum of 4 tests).

(8) PM and Gaseous measurement during start up conditions (minimum of 4 tests).

2.1.1 Purpose

The purpose of this technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document applies to the evaluation team for Duvha Power Station.

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] 240-168966153 Rev 1: Generation Tender Technical Evaluation Procedure

[2] 240-56242363 Rev 2: Emission Monitoring and Reporting Standard

[3] 32-1034: Eskom procurement and supply chain management.

2.2.2 Informative

Not applicable

2.3 DEFINITIONS

Definition	Description
Contractor/Tenderer	Refers to the company appointed to perform the engineering, procurement, and construction works required for the project.
Employer	Refers to Eskom Holdings State Owned Company.
Eskom Plant Engineering	Refers to the Eskom Engineering team who will perform the reviews and provide technical assistance for the work performed by the appointed Contractor.
Specification	The document/s forming part of the contract in which the methods of executing the various items of work to be done is described, as well as the nature and quality of the materials to be supplied and it includes technical schedules and drawings attached thereto as well as all samples and patterns.
The Client	The end user will be Eskom who will be represented by Duvha Power Station throughout the duration of the Project.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
AEL	Atmospheric Emissions Licence
C&I	Control and Instrumentation
CEMS	Continuous Emissions Monitoring System
TET	Technical Evaluation Team
CO	Carbon Monoxide
CO2	Carbon Dioxide
DCS	Distributed Control System
NEMA	National Environmental Management Act
NO	Nitrogen Oxide
NO2	Nitrogen dioxide
NOx	Nitrogen Oxides

Abbreviation	Description
OEM	Original Equipment Manufacturer
PI	Plant Information
PSR	Plant Safety Regulations
PTW	Permit to Work
SO2	Sulphur Dioxide
SOx	Sulphur Oxides
SANAS	South African National Accreditation System
ESP	Electrostatic Precipitators.
FFP	Fabric Filter Plant
CV	Curriculum Vitae
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

Roles are as per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

Not Applicable

2.7 RELATED/SUPPORTING DOCUMENTS

240-56242363 Rev 2 - Emission Monitoring and Reporting Standard

3. TENDER TECHNCIAL EVALAUTION STRATEGY

A two stage Technical Evaluation Strategy is set out.

Stage 1: Mandatory Technical Evaluation Criteria (gatekeepers) are ‘must meet’ criteria. These criteria are not weighted or points scored but, are assessed on a Yes/No basis to ascertain whether or not the criteria are met. An assessment of ‘No’ against any mandatory criterion will disqualify the tenderer and the tenderer will not be evaluated against Qualitative Criteria.

Stage 2: Qualitative Technical Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion.

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	Alex Zikalala	C&I Senior Technologist
TET 2	Lethukuthula Ndwandwe	C&I System 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.	The service provider must have SANAS certificate of accreditation (17025) for particulate matter (PM) emission correlation & gaseous QAL2 parallel tests as a minimum requirement.	SANAS accreditation certificate	This tests to be performed as per Emission Monitoring and Reporting Standard (240-56242363)
2.	Traceable evidence of emission correlation & parallel tests conducted.	Proof of similar work done, include purchase order or contract numbers and contactable reference numbers.	This tests to be performed as per Emission Monitoring and Reporting Standard (240-56242363)

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

During the tender evaluations the following table shall be used by the TET members to score each criterion on a scale of 0 to 5 as per Table 3.

Table 3: 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 4 indicates the qualitative technical evaluation criteria that shall be used by the technical tender evaluation team.

Table 4: Qualitative Technical Evaluation Criteria

Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Floor (0)	Kick in (2)	Average (4)	Ceiling (5)
1. CONTRACTORS EXPERIENCE							

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Floor (0)	Kick in (2)	Average (4)	Ceiling (5)
1.1	COMPANY ORGANOGRAM Company organogram must reflect the status of company. Organogram should indicate as a minimum the Project Leader, Stack Tester, and Stack Tester Assistant.	Submission of Organogram indicating the office staff and site staff. The Contractor clearly indicates in the submitted organogram who the appointed site manager is, as well as other key positions.	40	40	No organogram or an organogram not with the required skills as per list in CV's	Organogram only indicates any two (2) personnel of (Project Leader, Stack Tester, and Stack Tester Assistant)	Organogram only indicates three (3) personnel i.e. Project Leader, Stack Tester, and Stack Tester Assistant	Organogram indicates more than three (3) personnel i.e. Project Leader, Stack Tester, and Stack Tester Assistant and any additional personnel.
1.2	PERSONNEL CV's Company must provide CV's showing number of experience and references (phone number, e-mail address and employer). The CV containing proof of qualifications with copies of certificates, diplomas, degrees, etc. are submitted. CV containing details of work experience and valid references are submitted as proof of experience.	1. Shall indicate professional staff with more than 3 years or more experience in work related environment. (5%) 2 Shall indicate management / supervisory staff with 3 years or more experience in work related environment. (5%) Shall indicate the safe and quality supervisor. (5%)		60	CVs submitted for 1 out of the 3 requirements or not submitted.	CVs submitted for 2 out of the 3 requirements	CV's submitted for 3 out of the 3 requirements.	CV's submitted for all staff as per requirements

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Floor (0)	Kick in (2)	Average (4)	Ceiling (5)
2. SCOPE OF WORK REQUIREMENTS								
2.1	The tenderer provides a project method statement highlighting how the tenderer intends to execute the C&I scope of work.	Provide the method statement.	60	100	No method statement submitted	Method statement submitted and it covers PM correlations tests	Method statement submitted and it covers PM correlations tests or QAL2 tests and Velocity correlations	Method statement submitted and it covers PM correlations tests, QAL2 tests and Velocity correlations

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1 (Alex WFM)	TET 2 (Lethukuthula)				
	X	X				
	X	X				
Qualitative Criteria Number	**TET 1**	**TET 2**				
1. Contractor Experience						
1.1	X	X				
1.2	X	X				
2. Scope of work Requirements						
2.1	X	X				

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	**None**

Table 6: Unacceptable Technical Risks

Risk	Description
1.	

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	**None**

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	**None**

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Lethukuthula Ndwandwe	C&I Engineer	
Alex Zikalala	C&I Senior Technologist	

5. REVISIONS

Date	Rev.	Compiler	Remarks
September 2025	0	Alex aWFM Zikalala	1st draft
March 2026	1	Alex AWFM Zikalala	

6. DEVELOPMENT TEAM

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

Lethukuthula Ndwandwe

7. ACKNOWLEDGEMENTS

Not Applicable