

Title: **Kusile Power Station Tender
Technical Evaluation Strategy for
the CEMS Replacement Project**

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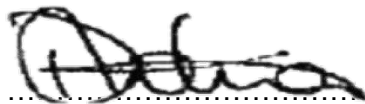
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1. INTRODUCTION

An invite will be issued calling for interested parties to participate in the tender process for the installation and commissioning of dust and gaseous analyzers for the Continuous Emission Monitoring System (CEMS) at Kusile Power Station. This document sets out the method and criteria that will be used to evaluate the tenders that will result from this pre-qualification invite.

2. SUPPORTING CLAUSES

2.1 SCOPE

This strategy defines the technical tender evaluation strategy for the Kusile Power Station CEMS Replacement and commissioning work. The scope of the project is as described in the Kusile Power Station CEMS Replacement Project Scope of Work.

2.1.1 Purpose

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

2.1.2 Applicability

This strategy document applies to the team working on the installation and commissioning of the dust and gas analyzers for CEMS at the smokestacks.

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] 32-1034: Eskom Procurement Policy.

2.2.2 Informative

[3] KUS-202411101 Kusile Power Station CEMS Replacement Project Scope of Work.

2.3 DEFINITIONS

2.3.1 Classification

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

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2.4 ABBREVIATIONS

Abbreviation	Description
CEMS	Continuous Emission Monitoring System
CV	Curriculum Vitae
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

Compiler	The document compiler is responsible for ensuring that this document is up-to-date and that this document is not a duplication of an existing documentation, regarding the document's objectives and content.
Functional Responsibility (C&I Engineering Manager)	The Functional Responsible Person shall determine if the document is fit for purpose, before the document is submitted for authorisation.
Authoriser (Engineering Group Manager)	The document authoriser is a duly delegated person with the responsibility to review the document for alignment to business strategy, policy, objectives and requirements. He/she shall authorise the release and application of the document.
Lead Discipline Engineers	Provides input to the technical tender evaluation strategy and associated engineering activities.

2.6 PROCESS FOR MONITORING

The primary process for monitoring will be governed by Design Review Procedure (240-53113685), this entails assuring that the design achieves the requirements set out in this document. Any changes to this document will be performed as per Project Engineering Change Management Procedure (240-53114026).

2.7 RELATED/SUPPORTING DOCUMENTS

Please refer to Section 2.2.

3. TENDER TECHNICAL EVALUATION STRATEGY

In order to be eligible for evaluation, the tenderer shall meet all the mandatory requirements. The evaluation of tenders will be based on the tenderer's ability to meet the requirements specified in the Kusile Power Station CEMS Replacement Project Scope of Work. A weighted score card approach will be used to evaluate the technical compliance of the tenders against the Employer's requirements. Tenderers need to have a weighted score of 70% overall or more to technically qualify for further evaluation.

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3.1 THE SCORING METHOD WILL BE AS FOLLOWS:

SCORE	PERCENTAGE	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none"> • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none"> • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none"> • 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

The evaluation scores will be weighted as follows according to disciplines:

Technical (100%)	
General works	100%
TOTAL (100%)	
Overall minimum threshold for qualification (70%)	

3.2 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

3.3 TET MEMBERS

Table 1: TET Members

TET number: Section to be evaluated	TET Member Name	Designation
TET 1: C&I Engineering	Siphesihle Mdakane	C&I Engineer
TET 2: C&I Engineering	Boikobo Sikhosana	C&I Engineer
TET 3: C&I Maintenance	Simiso Tembe	Senior Maintenance Technician
TET 4: C&I Maintenance	Msizi Mhlongo	Senior Advisor C&I
TET 5: C&I Maintenance	Thabang Tholo	C&I Maintenance Supervisor
TET 6: Planning	Reneilwe Lehobye	Project Planner
TET 7: Planning	Refilwe Mosadi	Project Manager
TET 8: Planning	Dineo Mdhluli	Project Coordinator

3.4 MANDATORY TECHNICAL EVALUATION CRITERIA

N/A

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Notes to tenderer:

- a) An undertaking is required that resources identified would not be changed on award of the Contract.
- b) The CV's of Key Personnel should have experience which is comparable in nature to the Works specified in this tender.
- c) It is a requirement that the key personnel, in particular, have excellent communication skills in the English language.
- d) Where no information is offered by the Tenderer no points shall be scored.

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Table 2: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Weighting (%)
1.	GENERAL WORKS				100%
1.1.	Comprehension of Scope				
	1.1.1	<p>Provide a construction/installation and commissioning methodology/typical method statement & quality assurance documentation for the scope of works. The method statement/s shall detail how the tenderer proposes to execute the works. The Method Statements shall clearly provide details of the installation method to be adopted to execute the scope of work. The method statement should clearly indicate a quality assurance process/approach to be undertaken throughout the project activities.</p> <ul style="list-style-type: none"> • Minimum High-Level requirements: <ul style="list-style-type: none"> ○ Typical Installation and commissioning Method/ Description of the Works ○ Typical Quality Control and Inspection Test Plans : ○ Typical Resource Responsibilities 	<p>Method statement and Quality Control Plan</p> <ol style="list-style-type: none"> 1. Proposal details fully how scope will be met and provides comprehensive methodology of approach = 5 2. Proposal describes how scope will be met and includes minor details = 4 3. Proposal does not contain methodology of approach but contains high level descriptions of how construction will be conducted or Technical proposal reiterates scope of works = 2 4. No submission made = 0 	<p>100</p> <p>80</p> <p>40</p> <p>0</p>	30%

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Weighting (%)
1.2	Relevant Experience				
1.2.1	<p>Relevant experience/ (track record):</p> <p>The tenderer submits a list of traceable references/completion certificates that adequately prove that the tenderer has completed two or more contracts successfully in the last five (5) years covering the scope below:</p> <ul style="list-style-type: none"> • Installation of the gas and dust analysers for CEMS • Installation of all purging equipment with related mechanical works • Design and installation of Civil works • Installation and routing of power and field cables • Commissioning of the instruments • Commissioning of the purging system and Civil works <p>This is inclusive of the subcontractor’s records if applicable.</p>	<p>List of previously completed projects of similar scope with traceable references including completion certificates</p> <ol style="list-style-type: none"> 1. Four or more traceable references = 5 2. Three traceable references = 4 3. One or two traceable references = 2 4. No traceable reference = 0 	<p>100%</p> <p>80%</p> <p>40%</p> <p>0%</p>	30%	
1.2.2	<p>Relevant qualifications and experience of key staff for the execution of the Scope of Works.</p> <ul style="list-style-type: none"> • Demonstrate the level of relevant experience of key personnel. Relevant qualifications (Electronic or Electrical Engineering degree/diploma/certificates) as well as curriculum vitae of key personnel to be submitted as part of the tender submission. 	<p>Qualifications of key resources</p> <ol style="list-style-type: none"> 1. Submitted four or more relevant qualifications = 5 2. Submitted three relevant qualifications = 4 3. Submitted one or two relevant qualifications = 2 4. No relevant qualifications submitted = 0 	<p>100%</p> <p>80%</p> <p>40%</p> <p>0%</p>	10%	

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Weighting (%)
1.3	Project Execution Rediness				
1.3.1	<p>Project Organogram</p> <ul style="list-style-type: none"> The Tenderer is to submit the organisational structure of key personnel of the main contractor and/or subcontractors. In case of an association/joint venture/consortium, it should be indicated how the duties and responsibilities are to be shared. If the tenderer intends making use of the services of subcontractor(s) for sections of the works, the delegation of duties and responsibilities should be clearly indicated. To the extent that such information is available, provide the subcontractor organisation and staffing as per requirements above. 	<p>Project organogram.</p> <ol style="list-style-type: none"> Key resources have experience of more than 5 years = 5 Key Resources have relevant experience 3 – 5 years = 4 Key Resources have relevant experience and limited experience (1 – 2 years or less) = 2 Key resources do not have relevant experience = 0 	<p>100%</p> <p>80%</p> <p>40%</p> <p>0%</p>	10%	
1.4	Project Execution Plan and Project Programme.				
1.4.1	<p>Provide a typical project programme listing all activities that are required to execute the full scope of work from contract award to handover. The dates generated by the Programme activities represent the anticipated start and completion of work required to execute the full scope of work in a logical and realistic manner.</p>	<p>Project programme/schedule</p> <ol style="list-style-type: none"> Full program/plan submitted = 5 Program/Plan missing some activities = 2 No plan = 0 	<p>100%</p> <p>40%</p> <p>0%</p>	20%	
				TOTAL	100%

3.6 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

Qualitative Criteria Number	TET 1 - TET 5
1.1	X
1.2	X
1.3	X
1.4	X
Qualitative Criteria Number	TET 6 – TET 8
1.3	X
1.4	X

3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	Exclusion of a project schedule/programme

Table 5: Unacceptable Technical Risks

Risk	Description
1.	Main Contractor does not have prior experience on the installation of the gas and dust analysers for CEMS.

3.7.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions/Conditions

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Exceptions/Conditions

Risk	Description
1.	No relevant qualifications or working experience on the subject matter

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4 AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation
Refilwe Mosadi	Project Manager
Puseletso Ndlovu	C&I Engineering Manager

5 REVISIONS

Date	Rev.	Compiler	Remarks
December 2024	1	Siphesihle Mdakane	First issue

6 DEVELOPMENT TEAM

Siphesihle Mdakane

7 ACKNOWLEDGEMENTS

N/A

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