

Title: **Tender Technical Evaluation  
Strategy for Chimneys (West and  
East) Repairs During Outage at  
Kusile Power Station**

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## **1. INTRODUCTION**

An invite will be issued calling for interested parties to participate in the tender process for the inspection of the Chimney/Smokestack flue 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 Scope of Work: Inspection of the Chimney Flue at Kusile Power Station. The scope is as described in the mentioned document.

#### **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 engineering and outage team working on the Scope of Work: Inspection of the Chimney Flue at Kusile Power Station.

#### **2.1.3 Effective date**

This document will be effective from the date of its authorisation.

### **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**

240-48929482: Tender Technical Evaluation Procedure

32-1034: Eskom Procurement Policy

240-53716746: Tender Technical Evaluation Report Template

240-53716712: Tender Technical Evaluation Results Form Template

240-53716726: Tender Technical Evaluation Scoring Form Template

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## 2.2.2 Informative

KUS-20220812 Kusile Power Station Scope of Work Chimneys (West and Est) Civil Inspection and Repairs During Outage Rev.1

## 2.3 DEFINITIONS

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

## 2.4 ABBREVIATIONS

Abbreviation	Description
CV	Curriculum Vitae
SE	System Engineer
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team
ID	Identification Document

## 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 (Auxiliary Engineering)	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 the Tender Technical Evaluation Procedure (240-48929482), 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.

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### **3. TENDER TECHNICAL EVALUATION STRATEGY**

The evaluation criteria will be based upon a two-step process:

#### **Mandatory Criteria Evaluation**

All TET members as defined in the Tender Technical Evaluation Strategy (and specifically TET member responsibilities) shall independently evaluate each tender in terms of compliance to the defined Mandatory Evaluation Criteria. Each TET member shall provide an individual scoring form on the compliance / non-compliance of all tenderers' responses to the Mandatory Evaluation Criteria. Each TET member shall provide clear justification(s) for each Mandatory Criteria evaluated as non-compliant ('NO'). All individual scoring forms shall be evaluated by the SE to check for consistency in scoring of the Mandatory Evaluation Criteria. Should the SE find inconsistency in the scoring, an internal clarification meeting shall be conducted with all TET members (who performed the evaluation) in the presence of the Commercial Representative. This meeting shall aim to jointly establish which of the tenderers qualify for the next phase of Qualitative Technical Evaluation. In the case where no tenderer meets all Mandatory Evaluation Criteria this shall be formally escalated to the Commercial Representative who shall guide the subsequent process. All meeting minutes shall be recorded and distributed to the Commercial Representative and included in the Tender Technical Evaluation Report.

#### **Qualitative Criteria Evaluation**

Tenderers that have met all the Mandatory Evaluation Criteria shall be evaluated against the Qualitative Criteria as defined in the Tender Technical Evaluation Strategy. The scoring of qualitative criteria shall be based on the degree of achievement by the tenderer to meet the technical requirements. A score shall be allocated as per Table 1: Qualitative Evaluation Criteria Scoring Table, for each technical qualitative criterion. Each TET member shall populate a Tender Technical Evaluation Scoring Form [2] for each tenderer. Note: Individual Qualitative Criteria scores shall only be finalised after all clarification sessions have been concluded.

**Table 1: Qualitative Evaluation Criteria Scoring Table**

<b>SCORE</b>	<b>PERCENTAGE</b>	<b>DESCRIPTION</b>
5	100	<b>COMPLIANT</b> Meet technical requirement(s) AND. No foreseen technical risk(s) in meeting technical requirements.
4	80	<b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b> Meet technical requirement(s) with. Acceptable technical risk(s) AND/OR. Acceptable exceptions AND/OR. Acceptable conditions.

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2	40	<b>NON-COMPLIANT</b> Does not meet technical requirement(s) AND/OR Unacceptable technical risk(s) AND/OR; Unacceptable exceptions AND/OR. Unacceptable conditions.
0	0	<b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>

*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.*

### 3.1 TECHNICAL EVALUATION THRESHOLD

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

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

<b>Technical (100%)</b>	
Maintenance and repairs	100%
<b>TOTAL (100%)</b>	
<b>Overall minimum threshold for qualification (70%)</b>	

### 3.2 TET MEMBERS

The technical evaluation team will be composed of a minimum of two members per discipline from the table below with at least one being professionally registered per discipline.

**Table 2: TET Members**

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### **3.3 MANDATORY TECHNICAL EVALUATION CRITERIA**

In order to be eligible for evaluation, the tenderer shall meet the following gatekeepers:

**Table 3: Mandatory Technical Evaluation Criteria**

	<b>Mandatory Technical Criteria Description</b>	<b>Source of Evidence</b>	<b>Motivation for use of Criteria</b>
<b>1.</b>	N/A	N/A	N/A

### **3.4 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 have good 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 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Scoring Criteria
1.	GENERAL WORKS			100%		
1.1	Method Statement					
	1.1.1	<p>Provide typical methodology document detailing how the Tenderer proposes to perform internal and external repairs of the chimney flues and its associated lining systems (incl. expansion joint and supports). The methodology must make reference to the equipment. The typical methodology shall also include the following:</p> <ul style="list-style-type: none"><li>Paint degradation, rust, corrosion, bolt connections, deteriorating weld connections, and condition of expansion joints.</li><li>Build-up of slurry, condition of the liner, condition of the expansion joints.</li><li>Build-up of slurry, condition of stopaq protective system, and thermal cracks.</li><li>Condition of stopaq protective system system, stainless-steel conditions (if already exposed to the environment), condition of the cat ladders, build-up of slurry on roof deck.</li><li>Slurry build-up on interior flue duct liner (borosilicate glass), if required pending inspection.</li><li>Typical inspection and test plans for the repair works.</li><li>Risk assessment for the works and risk management plan.</li><li>How the Contractor will adhere to Health and Safety.</li><li>Resource responsibilities.</li></ul>	KUS-20220812 Kusile Power Station Scope of Work Chimneys (West and East) Civil Repairs During Outage.		60%	<p>5 - 100% - Comprehensive method statement - demonstrates the ability to execute the scope far in excess of the minimum requirements</p> <p>4 - 80% - Method statement is consistent with the scope of works</p> <p>2 - 40% - Method statement is unsatisfactory and not reflective of the project requirements/scope of works</p> <p>0% - None of the minimum high-level requirements are covered in the method statement/ no method statement submission</p>
1.2	Relevant Experience					

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	1.2.1	Relevant experience/ (track record): List of 5 or more previously completed projects of similar scope which were done within 10 years.	List of previously completed projects of similar scope with traceable references including completion certificates.		10%	5 = 100% - 5 or more relevant projects  4 = 80% - 3-4 or more relevant projects  2 = 40% - 1 -2 relevant projects  0 = 0% - 0 no relevant projects
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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Scoring Criteria
1.3	Project Organogram:					
	1.3.1	<p>The Tenderer is to submit the Project Organogram. The organogram shall include roles, names, duties &amp; responsibilities of all key resources. Key resources are as follows:</p> <ul style="list-style-type: none"><li>• Civil Engineer</li><li>• Safety Officer</li><li>• Quality Inspector</li><li>• Site Manager</li><li>• Supervisor / Construction manager</li><li>• Technician / Foreman</li><li>• Site Clerk</li><li>• Environmental Officer</li></ul> <p>Note: Signed employment confirmation letter, with a stamp, from Human Resource. Without a letter, an organogram will not be considered.</p>	Project Organogram		15%	<p>5 = 100% - Project Organogram includes roles, names, duties &amp; responsibilities of all key resources</p> <p>4 = 80% - Project Organogram submitted including roles and names of each key resource but does not clearly indicate duties and responsibilities of each key resource.</p> <p>2= 40% - Project Organogram submitted but does not clearly indicate role and name of each key resource</p> <p>0= 0% - No Project Organogram submitted</p>
1.4	Experience of Key Personnel:					

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	1.4.1	<p>The curriculum vitae of the following personnel with a minimum of 5 years relevant experience:</p> <ul style="list-style-type: none"><li>Civil Engineer professionally registered with ECSA (PrEng).</li><li>Safety officer (Must have a National Diploma in Safety Management).</li><li>Quality officer (A National Diploma in quality management).</li><li>Site Manager / Supervisor (Must have a National Diploma Civil Engineering)</li><li>Construction Project Manager registered with SACPCMP (PrCPM); (Must have a National Diploma in Civil Engineering).</li><li>Environmental officer (National Diploma in Environmental Management)</li></ul> <p>Note: Certified copy of required qualifications (not older than 3 months), Certified copy of identification documents (not older than 3 months) and Certified copy of Professional Registration Certificate for professionally registered employees (not older than 3 months). A CV without the above-mentioned information will not be considered.</p>	<p>CVs of key personnel</p> <p>Relevant qualifications of key personnel</p>		15%	<p>5 = 100% - All six (6) personnel with 5 or more years of relevant experience.</p> <p>4 = 80% - Four (4) – to - five (5) personnel with 5 or more years of relevant experience.</p> <p>2 = 40% - 2 or more personnel with 5 or more years of relevant experience.</p> <p>0= 0% - 1 personnel with 5 or more years of relevant experience.</p>
TOTAL					100%	

### 3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET (1), (2), (3)
1	X
2	X
Qualitative Criteria Number	TET (1), (2), (3)
1.1.1	X
1.2.1	X
1.3.1	X
1.4.1	X

### 3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

### 3.7 RISKS

Table 6: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Risks

Risk	Description
1.	Exclusion of Method Statement on how the works will be conducted

### 3.8 EXCEPTIONS / CONDITIONS

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
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1.	N/A
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#### **4. AUTHORISATION**

This document has been seen and accepted by:

#### **5. REVISIONS**

<b>Date</b>	<b>Rev.</b>	<b>Compiler</b>	<b>Remarks</b>
May 2025	1		First issue

#### **6. DEVELOPMENT TEAM**

#### **7. ACKNOWLEDGEMENTS**

N/A

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