

Title: **Tender Technical Evaluation  
Strategy for South Smoke Stack  
Repairs**

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## **1. INTRODUCTION**

Grootvlei Power Station is situated close to the town of Balfour in Mpumalanga province. The Power Station consists of six units with a capacity of 200 MW each and the total installed capacity is 1200 MW. The first of six units was commissioned in 1969. Three of the units were mothballed in 1989 and the rest in 1990. Grootvlei was one of the power stations being recommissioned in the years between 2005 and 2010. The return to service of the first unit occurred during 2007 and all six units were recommissioned during 2010. The power station infrastructure is currently 61 years old.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

The scope of works is for the structural repairs to the top rim of the South Smoke Stack, where the works are to be performed by the *Contractor*.

#### **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**

This document shall apply to Grootvlei 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] 240-48929482: Tender Technical Evaluation Procedure
- [2] GVL 0567: Grootvlei Power Station: South Smoke Stack Repair Scope of Work

#### **2.2.2 Informative**

N/A

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## 2.3 DEFINITIONS

### 2.3.1 Classification

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

## 2.4 ABBREVIATIONS

Abbreviation	Description
CIDB	Construction Industry Development Board
ECSA	Engineering Council of South Africa
SACPCMP	South African Council for the Project and Construction Management Professions
TET	Technical Evaluation Team

## 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

N/A

## 3. TENDER TECHNICAL EVALUATIONSTRATEGY

### 3.1 TECHNICAL EVALUATION THRESHOLD

Mandatory Technical Evaluation Criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted or point scored but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

Qualitative Technical Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion.

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

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**Table 1: Scoring Method**

SCORE	PERCENTAGE	DESCRIPTION
5	100	<b>COMPLIANT</b> <ul style="list-style-type: none"> <li>• Meet technical requirement(s)/AND;</li> <li>• No foreseen technical risk(s) in meeting technical requirements.</li> </ul>
4	80	<b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b> <ul style="list-style-type: none"> <li>• Meet technical requirement(s) with;</li> <li>• Acceptable technical risk(s) AND/OR;</li> <li>• Acceptable exceptions AND/OR;</li> <li>• Acceptable conditions.</li> </ul>
2	40	<b>NON-COMPLIANT</b> <ul style="list-style-type: none"> <li>• Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR;</li> <li>• Unacceptable exceptions AND/OR;</li> <li>• Unacceptable conditions.</li> </ul>
0	0	<b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>

**Table 2: Evaluation Scores**

<b>Technical (100%)</b>	
Grootvlei South Smoke Stack Repairs	100%
<b>TOTAL (100%)</b>	
Overall minimum threshold for qualification (70%)	
<b>Pre-tender Award Criteria</b> - It is estimated that tenderers must have a minimum cidb contractor grading designation of 6GB or 6CE	

### 3.2 TET MEMBERS

**Table 3: TET Members**

TET number	TET Member Name	Designation

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### 3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

**Table 4: Mandatory Technical Evaluation Criteria**

	<b>Mandatory Technical Criteria Description</b>	<b>Reference to Technical Specification / Tender Returnable</b>	<b>Motivation for use of Criteria</b>
<b>1</b>	Submission of CV and Qualification of Professionally Registered Engineer with ECSA (Pr Eng / Pr Tech) involved in the works (minimum 7 years post professional registration experience)	GVL 0567: Grootvlei Power Station: South Smoke Stack Repair Scope of Work	Planning and execution of the works requires safe designs to eliminate and minimise potential structural failures.
<b>2</b>	Submission of CV and Qualification of SACPCMP professionally registered Construction Manager involved with the works (minimum 7 years post professional registration experience)	GVL 0567: Grootvlei Power Station: South Smoke Stack Repair Scope of Work	Nature of the works requires planning and integration of various resources. Time constraints must be adhered to ensure the Tower is brought back on timeously.

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## QUALITATIVE TECHNICAL EVALUATION CRITERIA

**Table 5: Qualitative Technical Evaluation Criteria**

	<b>Qualitative Technical Criteria Description</b>	<b>Reference to Technical Specification / Tender Returnable</b>	<b>Weight (%)</b>
1	<p>Method Statement for the entire works clearly demonstrating understanding of and compliance with the full scope as detailed in the Scope of Works.</p> <p>Scoring Criteria:</p> <p>Technical proposal details fully how scope will be met and provides comprehensive methodology of approach in line with the scope requirements = 5;</p> <p>Technical proposal describes how scope will be met and provides methodology of approach without 1 of either Constraints identified, Health and Safety Considerations, List of Equipment and Tools, Constructability Analysis, Quality Control Plan, Responsibilities of contractors personnel = 4;</p> <p>Technical proposal provided without 2 or more of either Constraints identified, Health and Safety Considerations, List of Equipment and Tools, Constructability Analysis, Quality Control Plan, Responsibilities of contractors personnel = 2;</p> <p>No technical proposal/method statement submitted = 0</p>	GVL 0567: Grootvlei Power Station: South Smoke Stack Repair Scope of Work	35%

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2	<p>Number of similar projects previously undertaken in the last 5 years - Provide proof of projects in the form of completion certificates or references.</p> <p>Note: Tenderer provides a list of verifiable relevant references (As a minimum reference list must contain Project Name, Brief Project Description, Valid contact details, Start &amp; End of Project, Project Value).</p> <p><u>Scoring criteria</u></p> <p>More than 5 completion certificates/references submitted = 5</p> <p>4-5 completion certificates/references = 4</p> <p>2-3 completion certificates/references = 2</p> <p>0-1 completion certificates/references submitted = 0</p>	GVL 0567: Grootvlei Power Station: South Smoke Stack Repair Scope of Work	20
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	<p>Organogram highlighting structure to be utilised for this contract with the Minimum required resources as stipulated in the contract. Contractor is to submit Qualifications for each resource stipulated in the organogram together with their CV's.</p> <p>An organogram without the below resources will be treated as non-responsive:</p> <ol style="list-style-type: none"><li>1. Construction Manager (SACPCMP Professionally Registered) with 7 years' experience post registration.</li><li>2. Project Engineer (Pr Eng or Pr Tech) with minimum 7 years' experience post registration.</li><li>3. Safety Officer (Minimum 3 Year Diploma in Safety)</li></ol> <p><b>3</b></p> <p><u>Scoring criteria</u></p> <p>Organogram provided with all resources CV's and Qualifications for executing the works = 5</p> <p>Organogram with CV's and Qualifications provided but not for all the identified resources listed in the organogram = 4</p> <p>Organogram provided without either one of CV's or Qualifications for the resources listed = 2</p> <p>Organogram provided without the critical resources stipulated above/No Organogram provided = 0</p>	<p>GVL 0567: Grootvlei Power Station: South Smoke Stack Repair Scope of Work</p>	<p>25</p>
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	A Risk Assessment detailing all project risks with their mitigations for the duration of the contract.  Risk Assessment comprehensive and in line with method statement (detailing environmental risks, safety risks, mitigation measures and risk rating) = 5  Risk Assessment provided with neither 1 of environmental risks, safety risks, mitigation measures or risk rating = 4  Baseline Risk Assessment provided or Risk Assessment provided without neither 2 of environmental risks, safety risks, mitigation measures and risk rating = 2  No Risk Assessment = 0	GVL 0567: Grootvlei Power Station: South Smoke Stack Repair Scope of Work	20
	<b>TOTAL</b>		100

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### 3.4 TET MEMBER RESPONSIBILITIES

**Table 6: TET Member Responsibilities**

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

### 3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

#### 3.5.1 Risks

**Table 7: Acceptable Technical Risks**

Risk	Description
1.	N/A

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**Table 8: Unacceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
1.	Use of contractor with a CIDB grading less than 6CE/6GB
2.	Method Statement which does not detail the safety aspect of the works.

### **3.5.2 Exceptions / Conditions**

**Table 9: Acceptable Technical Exceptions / Conditions**

<b>Risk</b>	<b>Description</b>
1.	N/A

**Table 10: Unacceptable Technical Exceptions / Conditions**

<b>Risk</b>	<b>Description</b>
1.	N/A

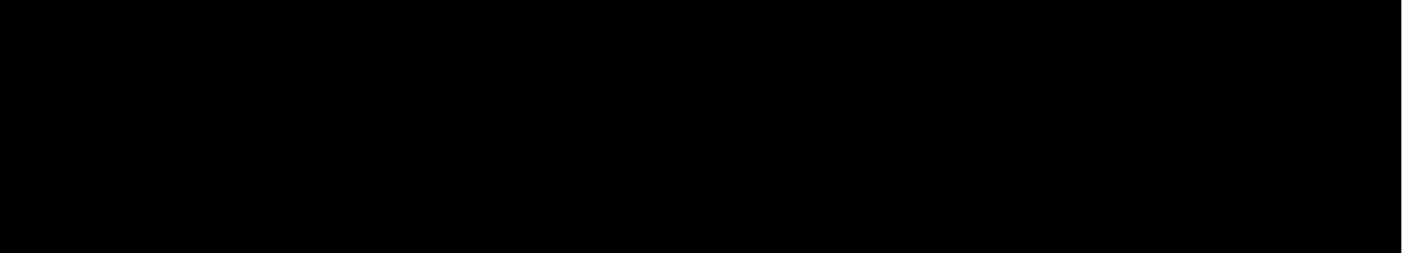
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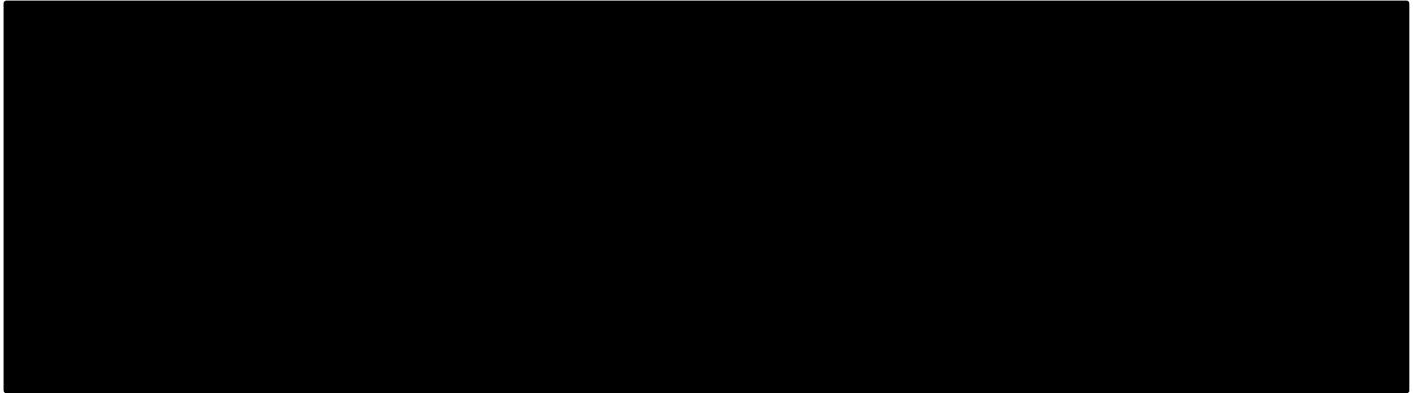
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## **4. AUTHORISATION**

This document has been seen and accepted by:



## **5. REVISIONS**



## **6. DEVELOPMENT TEAM**

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



## **7. ACKNOWLEDGEMENTS**



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