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1. INTRODUCTION

Grootvlei Power Station is a coal fired power station that is fitted with six 200MW boilers with three units on cold reserve. The combustion of coal produces gases and dust as waste products. The dust is captured by the dust handling plant (FFP) on the outlet on the boiler and it is deposited into dust hoppers. To maintain the efficient operation of the dust handling plant, the dust in the hoppers must be removed regularly before the hopper is filled to full capacity. The dust is removed by the ash plant.

GVL is currently experiencing the unavailability of the reliable dust hopper level measurements. This is resulting in the unit's operating below the capacity when the hoppers are full beyond the capacity and causing a lot of load losses. Due to the appreciable number of hoppers on each unit, a reliable measurement is needed for the dust hopper level to enable the following:

- a) Effective coordination of the dusting activities
- b) Efficient utilization of the ash plant
- c) Plant performance monitoring and optimization
- d) Historical data for investigations and designs

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document is to capture the tender technical evaluation strategy for Installation of Dust hopper level measurements at Unit 1 to 3 Project.

2.1.1 Purpose

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

2.1.2 Applicability

This document is applicable to C&I Maintenance and Engineering, Projects department and operating department only.

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 Generation Tender Technical Evaluation Procedure
- [2] 240-109836084 Procurement Strategy Dual & Triple Adjudication (R10m to R300m)
- [3] 240-106871290 Technical Evaluation Team Member Appointment Letter Template (Rev 2)
- [4] ISO 9001 Quality Management Systems

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2.2.2 Informative

- [5] GVL0304 Required Operational Capability: Dust hopper level measurements installation.
[6] GVL0289 Stakeholder Requirements Definition: Dust hopper level measurements installation Project

2.3 DEFINITIONS

Dust - Fly ash produced by combustion of pulverized fuel in the form of coal

Hopper - a funnel shaped container in which materials such as grain or coal are stored in readiness for dispensation.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation & Acronyms	Description
C&I	Control and Instrumentation
CM	Configuration Management
DCS	Distributed Control System
EC	Engineering Change
OEM	Original Equipment Manufacturer
ROC	Required Operational Capability
SRD	Stakeholders Requirement Definition
TET	Technical Evaluation Team
TETM	Technical Evaluation Team Members

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure for Generation

2.6 PROCESS FOR MONITORING

Not Applicable

2.7 RELATED/SUPPORTING DOCUMENTS

None

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION METHOD

The basic steps for a technical evaluation must be followed as per the Generation Tender Technical Evaluation Procedure **Error! Reference source not found.**

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 point scored but are assessed on a Yes/No basis to ascertain whether or not the criteria are met. An

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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.

3.2 TECHNICAL EVALUATION THRESHOLD

Due to scope split and obligation falling on Eskom to appoint different subsystems to different suppliers, the minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

A weighted score-card approach is used to evaluate the technical compliance of the tenders against the technical specifications. Tenderers need to have a weighted score of 70% overall or more to technically qualify for the targeted subsystem further evaluation.

The evaluation strategy for Safety, Health and Environmental as well as Quality is not included in this document as it does not form part of the technical scope.

The evaluation of the tender submission will be based on the tenderer's ability to meet the technical requirements.

The Technical requirements are further broken down into **NUMBER OF REFERENCES FOR SIMILAR WORKS, METHOD STATEMENT (TECHNICAL PROJECT PROPOSAL), RELEVANT QUALIFICATIONS AND EXPERIENCE, OEM AUTHORITY FOR CALIBRATIONS, PROVISION OF PROOF FOR PREVIOUS CALIBRATIONS AS PER SANAS REQUIREMENTS AND MEET DUST HOPPER LEVEL MEASUREMENTS FUNCTIONAL DESIGN SPECIFICATION** with the weighted score breakdown for each Qualitative Criteria indicated in Table 1.

Table 1: Overall Weighted Score Breakdown per Qualitative Criteria

Discipline	Overall Weighted Score (%)
NUMBER OF REFERENCES FOR SIMILAR WORK	30
METHOD STATEMENT (TECHNICAL PROJECT PROPOSAL)	20
RELEVANT QUALIFICATIONS AND EXPERIENCE	25
PROOF OF PREVIOUS CALIBRATIONS AS PER SANAS REQUIREMENTS	25
Total Score	100

The scoring method will be as stipulated in **Error! Reference source not found..**

3.3 TET MEMBERS

TET number	TET Member Name	Designation
TETM 1		
TETM 2		
TETM 3		

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3.4 TECHNICAL EVALUATION CRITERIA

Table 1: Mandatory Technical Evaluation Criteria

	Factor	Yes	<u>No</u>
1	Has the bidder provided valid and verifiable OEM authorisation to perform calibration on the specified instruments, and does such authorisation explicitly cover the full scope of instruments listed in this tender? In support of this requirement, has the bidder submitted a valid OEM authorisation letter or certificate, together with documentation confirming the scope of authorisation, the corresponding scope of accreditation, and evidence of traceability to national or international standards?		
2	Has the bidder provided the correct program for the scope of work to be executed?		
	Outcome (accepted/not accepted)		

Failure to comply with the mandatory criteria will result the bidder being disqualified

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Table 2: Qualitative Technical Evaluation Criteria

	Factor	Weight	Sub-factor	<u>Score</u>
3	<p>Has this company provided a list of references of previous similar works within Eskom or any other related company, and are they acceptable?</p> <p>Tender Returnable:</p> <ul style="list-style-type: none"> Proof of previous purchase orders or signed contracts 	30%	= 3	<u>50%</u>
			3> 6	<u>75%</u>
			<6	<u>100%</u>
4	<p>Does the bidder have the required experience and proof of working on different types of level measurements?</p> <p>Provision of an activity programme in line with the works info requirements including the:</p> <p>Quality Control Plan</p> <p>Activity programme covers all the works info requirements including all preparatory work.</p> <p>and preliminary activities that will affect the execution of the scope.</p>	20%	No provision of program and QCP	<u>0%</u>
			Provision on program not detailed or no QCP	<u>75%</u>

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			Program with detailed scope and QCP	<u>100%</u>
5	<p>Does the bidder have individuals with relevant qualifications, knowledge and relevant years of experience working (develop drawings, interpreting and understanding schematic and loop drawings, knowledge of Distributed Control System, Standalone controllers or recorders, knowledge of various industrial bus protocols) on power plant C&I environment?</p> <p>Provide proof of training and work experience.</p> <p>Site manager: B tech Electrical Engineering and 2 years' experience.</p> <p>Senior technician/supervisor: N diploma or equivalent and 3 years' experience</p> <p>Skilled workers: Matric or equivalent with 10 years' experience</p>	25%	<p>1/3 meet requirements</p> <p>2/3 meet requirements</p> <p>3/3 meet requirements</p>	<p><u>0%</u></p> <p><u>50%</u></p> <p><u>100%</u></p>
6	<p>Has the bidder demonstrated the technical capability to perform, or arrange for, the calibration of level measurement instruments in full compliance with SANAS requirements and to issue valid calibration certificates? Evidence must show that the bidder's calibration processes meet SANAS standards and that the bidder has the necessary technical expertise, equipment, and procedures to deliver the service effectively.</p> <p>Tender Returnables:</p>	25%		

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	<ul style="list-style-type: none">• Documentation demonstrating compliance with SANAS calibration requirements.• Evidence of technical competence to perform or arrange calibrations (e.g., calibration procedures, trained personnel).• Sample calibration certificates showing adherence to SANAS standards.			
			No	<u>0%</u>
			Yes	<u>100%</u>
	TOTAL	100%		

3.5 TET MEMBER RESPONSIBILITIES

Key: X = Mandatory; O = Optional

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Table 5: TET Member Responsibilities

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

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3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

It is anticipated that various risks, exceptions and conditions will be identified during the clarification and negotiation process. Each of those will be considered and evaluated individually to determine whether they are acceptable, unacceptable or whether suitable mitigation measures can be agreed upon.

Unacceptable technical risks include:

- The Tenderer's technical submission does not address entire scope required.
- The tenderer does not have established relationship with local entities to provide local technical support.

4. AUTHORISATION

This document has been seen and accepted by:

5. REVISIONS

Date	Rev.	Remarks
February 2026	1	New Document
March 2026	2	Technical evaluation criteria updated
April 2026	3	Technical evaluation criteria updated

6. DEVELOPMENT TEAM

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

ACKNOWLEDGEMENTS

None

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