

 Eskom	Strategy	Engineering
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Chemical dust suppression**

Unique Identifier *

Alternative Reference
Number **N/A**

Area of Applicability **Kendal Power
Station**

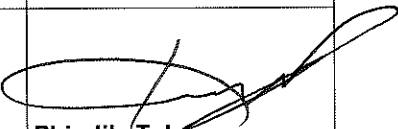
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1. INTRODUCTION

With Kendal Power station looking at the possibility of employing the chemical dust suppression method to deal with the ash spreading to the surrounding community, this document is necessary to outline the technical requirements of the ash dust suppression and the area of exposed ash to be covered to prevent ash dust from spreading on the Ash Disposal Facility at Kendal Power Station.

The tender evaluation strategy is developed for the purpose of obtaining a Contractor to carry out chemical dust suppression which is in line with the National Dust Control Regulations (GNR 827).

2. SUPPORTING CLAUSES

2.1 SCOPE

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 is applicable to the Kendal 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] 240-44682850: PCM - Provide Engineering During Project Sourcing
- [3] 32-1033: Eskom Procurement and Supply Chain Management Policy
- [4] 32-1034: Eskom Procurement and Supply Management Procedure
- [5] The National Water Act (Act 36 of 1998) and Regulation GN 704 including other applicable regulations.
- [6] Ash Dump Environmental Management Plan.
- [7] Ash Dump Operational and Maintenance Manual

2.2.2 Informative

- [8] Scope of work – ADF Dust Suppression Scope of Work

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2.3 DEFINITIONS

N/A

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
ADF	Ash Disposal Facility
PPE	Personal Protective Equipment
MSDS	Materials Safety Data Sheets
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

- Auxiliary Engineering Manager: Kendal Auxiliary Engineering Manager shall ensure that the respective areas understand and adhere to Tender Technical Evaluation Procedure
- Technical Evaluation Team (TET) Member: The delegated technical/management team is responsible for review and evaluate technical aspects of the tender documentation.

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION METHOD

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

The evaluation of the tender submission will be based on the tenderer's ability to meet the Engineering requirements. A weighted score card approach will be used to evaluate the tender submission against the specifications and Employer's requirements.

The scoring method will be as follows:

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SCORE	PERCENTAGE	DESCRIPTION
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

3.2 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 the criteria are met unless set otherwise. 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%.

3.3 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Mfanelo Mkhize	System Engineer
TET 2	Siphiwe Mashele	Coal and Ash Snr supervisor
TET 3	Mfanelo Hlongwani	System Engineer

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3.4 MANDATORY TECHNICAL EVALUATION CRITERIA

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Provide a valid ISO 14001 clearly showing either the name of the contractor or sub-contractor. Proof of compliance with environmental regulations. NB: If the work is sub-contracted, signed agreement by both parties must be submitted	Tender Returnable	The purpose of ISO certification is to certify that a management system, manufacturing process, service, or documentation procedure has all the appropriate requirements for standardization, quality assurance and environmental compliance.

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Qualitative Technical Evaluation Criteria

No.	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting	Criteria Sub Weighting
				(%)
			(%)	<i>[intermediate % will be interpolated]</i>
1	Company profile and background on dust suppression.	Contractor shall provide a brief company background and brief experience on dust suppression system and history on chemical dust suppression	10%	• Company profile and background on general dust suppression and chemical dust suppression provided. (5/5) • Provided company profile and background on chemical dust suppression (4/5) • Provided company profile and general dust suppression background only (2/5) • No submission (0/5)

2.	Assessing reference for similar work done within the past 5 years	The contractor provides a minimum of three verifiable references for previously done chemical dust suppression (minimum 5 years). The proof must be in a form of a valid purchase order, signed completion letter or signed delivery note. The authenticity of recent previous and similar work done is vital to show company experience.	30%	• Proof of 5 years and more experience in chemical dust suppression submitted with traceable references (5/5) • Proof of 5 years' experience submitted with traceable reference (4/5) • Proof of less than 5 years submitted with traceable references (2/5) • No proof submitted (0/2)
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3	Environmental compliance	Contractor to provide proof that the products used are environmentally friendly and does not contravene environmental regulations. Shall provide detailed management plan for preventing soil and water contamination (e.g. how they will manage chemical run-off).	15%	• Material Safety Data Sheets (MSDS) of all products used and proof that the products does not contravene Environmental regulations and submitted management plan for environmental contamination (5/5) • Either one between MSDS and management plan submitted (2/5) • No MSDS submitted (0/5)
4	Understanding of scope of work	The contractor is required to cover understanding of what the scope of work entails	5%	• Estimate BOQ to ensure that the contractor has full understanding of the Scope of Work (5/5) • No BOQ or datasheets provided (0/5)

5	Proposed methodology	The tenderer shall provide an application method they follow when executing the work and provide data detailing the effectiveness of their solution and how it will reduce dust emissions.	40%	• Provided detailed methodology and data for effectiveness of the solution (5/5) • Provided detailed methodology but no data demonstrating effectiveness of solution (4/5) • Provided data demonstrating effectiveness but no detailed methodology (2/5) • No submission (0/5)
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TET MEMBER RESPONSIBILITIES**Tab: 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
5	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 3: Acceptable Technical Risks

Risk	Description
1.	None

Table 4: Unacceptable Technical Risks

Risk	Description
1.	Tender proposal partly covering the SOW to be executed

3.6.2 Exceptions / Conditions

Table 5: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 6: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Mfanelo Mkhize	System Engineer
Hasie Haasbroek	Aux Eng Senior Advisor
Mzwandile Gcaleka	Auxiliary Engineering Manager
Phumelele Thanjekwayo	Coal and Ash Manager
Phindile Takane	Engineering Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
September 2025	01	Mfanelo Mkhize	Revision One

6. DEVELOPMENT TEAM

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

Mfanelo Mkhize

7. ACKNOWLEDGEMENTS

None

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