

Title: **Tender Technical Evaluation
Strategy for Coal Plant Chute
Optimisation Project**

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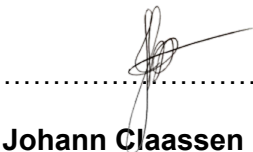
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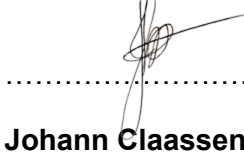
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1. INTRODUCTION

The Medupi Power Station Coal Plant Chutes design deficiencies has contributed to the reduction of load and in some cases the shutting down of generating units in the past due to lack of coal supply. A project, with defining Scope of Works, has been initiated to redesign, manufacture, construct and commission several of the chutes.

2. SUPPORTING CLAUSES

2.1 SCOPE

The document describes the acceptable and unacceptable risks and qualifications and /or conditions.

The Tender Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation criteria
- Qualitative Evaluation criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

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 applies to the Tender Evaluation Team for Regulators in accordance with the authorised procurement strategy.

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] 241-2022963 Medupi Power Station Coal Plant Chute Optimization Scope of Work

2.2.2 Informative

- [3] N/A

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
DEM	Discrete Element Method
ECSA	Engineering Council of South Africa
ECM	Engineering Change Management

2.5 ROLES AND RESPONSIBILITIES

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

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

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 tenderers 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%. The tenders must achieve a weighted score of 70% or more to qualify for further evaluation. The table used for scoring is given in Table 1 below:

Table 1: Scoring Table

Score	(%)	Definition
5	100	Fully Compliant
4	80	Compliant with associated qualifications
2	40	Non-compliant
0	0	Totally deficient or non-responsive

3.2 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1	Johann Claassen	System Engineer
TET 2	Louis Snyman	Senior Engineer
TET 3	Hardus van Biljon	Senior Engineer

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA**Table 3: Mandatory Technical Evaluation Criteria**

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Proof of previous guided flow (consolidates material and load central to receiving belt) chute design, manufacturing, construction and commissioning experience.	Signed off “issued for construction” design drawing of guided flow chute. Client details and contact reference to be provided where chute is currently still operational and successful.	Guided flow characteristics of chutes to be modified is of utmost importance to ensure cleaning requirement is reduced, and belt central loading is ensured.
2.	Proof of registration as professional mechanical engineer with ECSA.	Registered professional name, surname and ECSA registration number.	ECSA registration is critical for all design work as per ECM process.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Technical Expertise and Experience			80%	
	1.1	Proven number of years' experience in design, manufacturing, construction and commissioning of guided flow chutes.	Relevant documentation to be provided for all references: <ul style="list-style-type: none"> Company name Contact person details Contract value Contract start date Number of guided flow chutes in project 		50%
				More than 10 years relevant experience	100% = 5
				Between 5 and 10 years relevant experience	80% = 4
				Between 1 and 5 years relevant experience	40% = 2
				Less than 1 year or experience in not for guided flow chutes	0% = 0
	1.2	Proven number of successful projects executed for the design, manufacturing, construction and commissioning of guided flow chutes.	Relevant documentation to be provided for all references: <ul style="list-style-type: none"> Company name Contact person details Contract value Contract start date Number of guided flow chutes in project 		50%
				More than 3 relevant projects executed	100% = 5
				2 or 3 relevant projects executed	80% = 4
				1 relevant project executed	40% = 2
				No projects or projects not for guided flow chutes	0% = 0
2.	DEM design capability			20%	
	2.1	Proven DEM use in design to optimise chute design of guided flow chutes	Simulation reports / samples showing integral use of DEM in design process for optimisation	More than 3 relevant reports / samples	100% = 5
				2 or 3 relevant reports / samples	80% = 4
				1 relevant report / sample	40% = 2
				No relevant report / samples	0% = 0
				TOTAL: 100	

3.5 TET MEMBER RESPONSIBILITIES

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
1.1	X	X	X
1.2	X	X	X
2.1	X	X	X

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3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Risks

Risk	Description
1.	N/A

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Should a separate DEM consultant be utilised by the main tenderer for modelling of guided flow chutes, an agreement shall be in place between main tenderer and consultant. This agreement shall be provided on tender submission.

Table 9: Unacceptable Technical Exceptions / Conditions



Risk	Description
1.	N/A

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4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Louis Snyman	Senior Engineer	
Hardus van Biljon	Senior Engineer	

5. REVISIONS

Date	Rev.	Compiler	Remarks
October 2025	1	JF Claassen	Document required to define technical evaluation strategy for project tender submissions

6. DEVELOPMENT TEAM

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

- Louis Snyman
- Hardus van Biljon

7. ACKNOWLEDGEMENTS

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