Eskom	Strategy	Engineering

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Compiled by	Functional Responsibility	Authorised by
.....	.....	.....
M. Maluka	**B. Moeng**	**L. Ngobese**
Process Engineer	**Process Engineering Manager**	**Engineering Manager**
Date: ...08/03/2024.....	Date: 08:03:2024.....	Date: 15/03/2024.....

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1. INTRODUCTION

This technical evaluation strategy is for the sampling, storage and transportation of coal and ash from units during STEP testing.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope covers sampling from the following sampling locations:

- Coal moisture samples from raw coal chute prior to entering the mill feeders.
- Coal general sample from raw coal chute prior to entering the mill feeders.
- Coal mill rejects from mill reject box.
- Cegrit sample from unit cegrit samplers
- Coarse ash sample from boiler bottom ash hoppers

2.1.1 Purpose

The purpose of this technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for technical evaluation. The technical evaluation is to be used in quantifying suppliers' suitability for the afore mentioned scope based on the criteria outlined.

2.1.2 Applicability

This document is applicable to all relevant stakeholders involved with the technical evaluation process for mentioned scope.

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

2.2.2 Informative

N/A

2.3 DEFINITIONS

Definition	Description
PF	Pulverised Fuel after raw coal has been pulverised by the mill
Raw coal	Raw coal product prior to entering the mill

Ash	The solid coarse and fine solid products of combustion

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description

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

[1] 240-48929482: Tender Technical Evaluation Procedure

3. 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 80%.

3.2 TET MEMBERS

The TET members will be selected by the accountable manager/ the delegated authority.

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 1: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Weight
1			

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)
1.	Reference of previous work of similar nature sampling and data collection.	Documentation/ reports of previous work	40
2	Sampling procedure outlining methods and equipment used, the procedure to include sampling, storage and transportation procedure for the coal moisture sample, general coal sample, mill rejects, cegrit sample and coarse ash sample. The procedure to include method of coal density test to be applied.	Procedures as per SANS 18283	60

Technical Evaluation Criteria – Sampling and Data collection							
Qualitative requirements							
	Criteria	**Deliverable**	**Weight**	**0**	**2 (40%)**	**4 (80%)**	**5 (100%)**
1	Reference of previous work of similar nature sampling and data collection.	Documentation/ reports of previous work	**40**	No References provided	1 Reference supplied	2 References supplied	3+ References supplied
2	Sampling procedure outlining methods and equipment used, the procedure to include sampling, storage, and transportation procedure for the following: 1. coal moisture sample; 2. general coal sample; 3. mill rejects; 4. cegrit sample and,	Procedures complying to SANS 18283	**60**	Less than three of the required procedures provided	Three of the five procedures provided	Four of the five procedures provided	All required (Five) procedures provided

	5. coarse ash sample. The procedure to include method of coal density test to be applied. Sampling methods must comply to SANS 18283						
	Total		**100**				
	80% Acceptance Threshold						

3.5 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

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

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1	
2.	
3	

Table 5: Unacceptable Technical Risks

Risk	Description
1.	
2.	

3.6.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	
1.	
2.	
3.	
4.	
5.	

6.	

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	
2	
3.	
4.	
5	
6.	
7.	

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Brenda Moeng	Process Engineering Manager
Lindokuhle Ngobese	Engineering Group Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
22/02/2024	0	M. Maluka	Original document

6. DEVELOPMENT TEAM

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

- Marcio Maluka

7. ACKNOWLEDGEMENTS

N/A