

 Eskom	Strategy	Engineering
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Title. **Tender Technical Evaluation for
Additional Geotechnical
Investigations at Matla Ash Dam**

Unique Identifier. **N/A**

Alternative Reference Number. **N/A**

Area of Applicability **Engineering**

Documentation Type **Strategy**

Revision: **0**

Total Pages. **10**

Next Review Date **N/A**

Disclosure Classification **CONTROLLED
DISCLOSURE**

Compiled by

Functional Responsibility

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Date: **20/10/2022**

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1. INTRODUCTION

This report is to give an insight on the Technical Evaluation Criteria and the Tender Evaluation Team members. It also discusses the mandatory and quantitative criteria's to be followed during Technical Evaluation.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of work is to give the additional requirement and specification on the geotechnical studies that are required at Matla Ash Dam. Investigation shall establish the soil properties in the foundations under the ash dam walls. This will confirm parameters such as friction angle, cohesion and unit weight as well as determining new variables such as the position of the critical state line.

2.1.1 Purpose

The purpose of this order 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 will apply to all appointed/involved in the technical tender evaluations of tenders received from the service provider(s) in response to Ash Dam Geotechnical Investigations.

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] 240-53716726 Technical Scoring Form
- [3] 240-53716712 Technical Evaluation Results

2.2.2 Informative

[4] MEA-06560 - Ash Dam Geotechnical Investigations

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
ESCA	Engineering council of South Africa
LEEASA	Lifting Equipment Engineering Association of South Africa
LME	Lifting Machinery Entity
LMI	Lifting Equipment Inspector
TET	Tender 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 EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The scoring for each tender will be done as per the scoring table 3 shown below. This table is as per the requirements of Tender Engineering Evaluation Procedure [1]. The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Setati Jack Moyaha	System Engineer
TET 2	Fatty Mahlangu	System Engineer

3.3 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Functionality forms the second step in the evaluation process with a weighting of 100%. The tender will be required to score a minimum of 80% in these technical criteria to qualify. These requirements consist of six (6) sub-criteria each with a weighting as shown in the table below.

Table 2: Qualitative Technical Evaluation Criteria

• TECHNICAL EVALUATION CRITERIA: Additional Geotechnical Investigations at Matla Ash Dam				
• Criteria	• 0%	• 40%	• 80%	• 100%
<ul style="list-style-type: none"> • Company Capability and Experience (20%) • Provide the following information listed below • Provide traceable evidence of (1-3) executed projects and completion certificates where • (1) Geotechnical Investigation on Ash Dams. • (2) Ash Dam Stability Assessment • (3) Rotary cone drilling or Shelby tube Sampling 	<ul style="list-style-type: none"> • Not evidence provided = 0% 	<ul style="list-style-type: none"> • Provided 1 traceable evidence = 40% 	<ul style="list-style-type: none"> • Provided 2 traceable evidence = 80% 	<ul style="list-style-type: none"> • Provided 3 or more traceable evidence = 100%
<ul style="list-style-type: none"> • Quality Control Plan (15%) • A detailed QCP for all the envisioned tasks/test to be submitted. All major service points to be indicated in accordance with the scope of work • DPSH – Cone Penetrometer Testing • CPTu Testing 	<ul style="list-style-type: none"> • Submitted but addressing between 0 and 1 points • = 0% 	<ul style="list-style-type: none"> • Submitted but addressing between 2 and 3 points = 40% 	<ul style="list-style-type: none"> • Submitted but addressing 4 points • = 80% 	<ul style="list-style-type: none"> • Submitted but addressing 5 points • = 100%

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<ul style="list-style-type: none"> Rotary core drilling and sampling with Shelby tubes <ul style="list-style-type: none"> Seismic Testing Soil and Rock Laboratory Testing 				
<ul style="list-style-type: none"> Method statement for Ash Dam Geotechnical Investigations (25%). Draft programme of works to be submitted Detailed method statement as per the issued scope This method statement must include Preparation of work and setting out <ul style="list-style-type: none"> Test positions DPSH – Cone Penetrometer Testing <ul style="list-style-type: none"> CPTu Testing Rotary core drilling and sampling with Shelby tubes <ul style="list-style-type: none"> Seismic Testing Soil and Rock Laboratory Testing Stability report writing and Data analysis Tool list of what is going to be used Signed by Pr Civil Eng with Pr Number 	<ul style="list-style-type: none"> Submitted but addressing between 0 and 2 points <ul style="list-style-type: none"> = 0% 	<ul style="list-style-type: none"> Submitted but addressing between 3 and 5 points = 40% 	<ul style="list-style-type: none"> Submitted but addressing between 6 and 8 points <ul style="list-style-type: none"> = 80% 	<ul style="list-style-type: none"> Submitted but addressing between 9 and 10 points = 100%
<ul style="list-style-type: none"> Laboratory accreditation Certificate (3- 5) years' Operational (15%) Attached certificate 	<ul style="list-style-type: none"> Submitted but with between 0 and 2 years operational <ul style="list-style-type: none"> = 0% 	<ul style="list-style-type: none"> Submitted but with 3 years operational <ul style="list-style-type: none"> = 40% 	<ul style="list-style-type: none"> Submitted but with 4 years operational <ul style="list-style-type: none"> = 80% 	<ul style="list-style-type: none"> Submitted but with 5 years operational <ul style="list-style-type: none"> = 100%

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<ul style="list-style-type: none"> • Civil/Geotechnical Engineer with at least (3- 5) years Geotechnical Investigation in Tailing Dams experience as per work scope (15%) • Attached certificate of qualification with CV 	<ul style="list-style-type: none"> • Certificate with experience between 0 and 2 years <ul style="list-style-type: none"> • = 0% 	<ul style="list-style-type: none"> • Certificate with 3 year of experience <ul style="list-style-type: none"> • = 40% 	<ul style="list-style-type: none"> • Certificate with 4 year of experience <ul style="list-style-type: none"> • = 80% 	<ul style="list-style-type: none"> • Certificate with 5 year of experience <ul style="list-style-type: none"> • = 100%
<ul style="list-style-type: none"> • Safety officer with SAMTRACT or safety related qualification with (1- 3) years' experience (10%) • Attached certificate of the safety officer 	<ul style="list-style-type: none"> • No qualification or less than 1 year of experience <ul style="list-style-type: none"> • = 0% 	<ul style="list-style-type: none"> • Certificate with 1 year of experience <ul style="list-style-type: none"> • = 40% 	<ul style="list-style-type: none"> • Certificate with 2 year of experience <ul style="list-style-type: none"> • = 80% 	<ul style="list-style-type: none"> • Certificate with 3 year of experience <ul style="list-style-type: none"> • = 100%
<ul style="list-style-type: none"> • Threshold : 80% 				

3.4 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

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

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3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

N/A

3.5.2 Exceptions / Conditions

N/A

4. AUTHORISATION

This document has been seen and accepted by

Name	Designation
Setati Jack Moyaha	System Engineer
Fatty Mahlangu	System Engineer
Gavin Phelelo	Auxiliary Engineering Manager (Acting)
Lindokuhle Ngobese	Engineering Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
October 2022	0	S J Moyaha	Final Document for Technical Evaluation Criteria

6. DEVELOPMENT TEAM

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

Setati Jack Moyaha

Fatty Mahlangu

7. ACKNOWLEDGEMENTS

N/A

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