Eskom	Strategy	Kusile Power station

Title:	**Kusile Power Station Dams Concrete and High-Density Polyethylene Liner Repairs Tender Technical Evaluation Strategy**	Unique Identifier:	**KUS-20251154**
		Alternative Reference Number:	**N/A**
		Area of Applicability:	**Engineering**
		Documentation Type:	**Strategy**
		Revision:	**1**
		Total Pages:	**13**
		Next Review Date:	**November 2028**
		Disclosure Classification:	**CONTROLLED DISCLOSURE**

Compiled by	Functional Responsibility	Authorised by
.....	.....	.....
Keoagile Kgaladi	**Busi Nkomo**	**Fulufhelo Netshiongolwe**
Civil Engineer	**Auxiliary Plant Engineering Manager**	**Engineering Group Manager (Acting)**
Date: 21/11/2025	Date: 24.11.2025	Date: 24.11.2025

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1. Introduction

An invite will be issued for interested Contractors to participate in the tender process for the dam's concrete and high-density polyethylene liner repairs at Kusile Power Station. This document sets out the method and criteria that will be used to evaluate the tenders that will be submitted from this pre-qualification invite.

2. Supporting Clauses

2.1 Scope

This strategy defines the technical evaluation team (TET) and their responsibilities regarding the dam's concrete and high-density polyethylene liner repairs. The mandatory and qualitative evaluation criteria used to evaluate the submitted tenders is also included in this report.

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 strategy document will apply to the technical evaluation team appointed for this project.

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] 474-59 Internal Audit Procedure

2.2.2 Informative

Not applicable.

2.3 Definitions

2.3.1 Enquiry

A competitive or non-competitive request for information, interest, quotations or proposals made to a supplier, a group of suppliers or the market at large.

2.3.2 Tender

A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification.

2.4 Classification

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

2.5 Abbreviations

Abbreviation	Description
CIDB	Construction Industry Development Board
CV	Curriculum Vitae
ITP	Inspect and Test Plan
PFMA	Public Finance Management Act
QCP	Quality Control Plan
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

2.6 Roles And Responsibilities

The roles and responsibilities are as per the Tender Technical Evaluation Procedure [1].

2.7 Process For Monitoring

The Internal Audit Procedure [2] shall monitor this procedure.

2.8 Related/Supporting Documents

Not applicable.

3. Tender Technical Evaluation Strategy

3.1 Technical Evaluation Threshold

The minimum weighted final score (i.e., threshold) required for a tender to be considered from a technical perspective is 70%.

3.2 TET Members

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Keoagile Kgaladi	Civil Engineer
TET 2	Freeman Mnisi	Civil Engineer
TET 3	Lovemore Lukhele	Senior Supervisor Technician Mechanical Maintenance

3.3 Mandatory Technical Evaluation Criteria

Not applicable

Qualitative Technical Evaluation Criteria

Table 2: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Project Experience				
	1.1	The tenderer must submit a list of traceable references adequately proving that at least five (5) or more projects of similar scope (i.e., HDPE liner welding and repairs) that were successfully completed, <u>locally</u>, within the last 10 years.	**Scope of work document KUS-20250719: Section 3.4** The following information must be submitted for each project for evaluation purposes: • Name of the client where the project was executed • Project description • Description of work performed • Project value • Project start and end date. • Name, designation and contact number of references	20	6 or more completed projects in 10 years (100%) 5 completed projects in 10 years (80%) 1 - 4 completed projects in 10 years (40%) No completed projects of similar nature (0)
2.	Methodology				
	2.1	Technical proposal which details how the tenderer will execute the scope of work.	**Scope of work document KUS-20250719: Section 3.4.2** A detailed proposal for HDPE liner repair execution which must	10	Method statement covers all the required minimum high-level

			address but not limited to the following: • Extrusion welding process • Preparation and cleaning procedure • Patch installation procedure • Non-destructive testing (NDT): spark testing, vacuum box testing • QA documentation and repair tracking		requirements (100%) Method statement covers 3 – 4 of the minimum high-level requirements (80%) Method statement covers 1 – 2 of the minimum high-level requirements (40%) Method statement covers none of the minimum high-level requirements (0)
	2.2	Technical proposal which details how the tenderer will execute the scope of work.	**Scope of work document KUS-20250719: Section 3.4.1** A detailed proposal for concrete repairs (i.e., anchor and general) execution which must address but not limited to the following: • Identification of defects • Breaking out defective concrete	10	Method statement covers all the required minimum high-level requirements (100%) Method statement covers 4 – 5 of the minimum high-level

			• Surface preparation (scabbling, roughening) • Rebar exposure and anti-corrosion treatment • Concrete mix design • Curing method statement		requirements (80%) Method statement covers 1 – 3 of the minimum high-level requirements (40%) Method statement covers none of the minimum high-level requirements (0)
3.	Human Resources				
	3.1	Project organogram with qualifications of the project team and CVs of key personnel which clearly demonstrate the level of qualification and minimum required experience of key personnel. Curriculum Vitae (CV) of key personnel as well as their relevant qualifications (degree/diploma/certificates) to be submitted as part of the submission.	<u>Construction Manager / Site Agent</u> BSc Engineering or National Diploma in Civil Engineering with experience in managing the following points: • HDPE repair projects • Concrete works • Site safety programs • Quality systems	10	All required points with 5 or more years' experience (100%) All required points with 3 – 4 years' experience (80%) All required points with 1 – 2 years' experience (40%) All required points

					with less than one years' experience (0)
	3.2	Project organogram with qualifications of the project team and CVs of key personnel which clearly demonstrate the level of qualification and minimum required experience of key personnel. Curriculum Vitae (CV) of key personnel as well as their relevant qualifications (degree/diploma/certificates) to be submitted as part of the submission.	<u>Concrete Foreman / Site Supervisor</u> Civil Engineering NQF Level 4–6	5	5 or more years' experience (100%) 3 – 4 years' experience (80%) 1 – 2 years' experience (40%) Less than one years' experience (0)
	3.3	Project organogram with qualifications of the project team and CVs of key personnel which clearly demonstrate the level of qualification and minimum required experience of key personnel. Curriculum Vitae (CV) of key personnel as well as their relevant qualifications (degree/diploma/certificates) to be submitted as part of the submission.	**Scope of work document KUS-20250719: Section 3.6.** <u>HDPE Welder</u> HDPE welding certification from an accredited body. Training must cover: • Extrusion welding • Hot wedge welding • Patch installation • Repair techniques • Vacuum box & spark testing	10	3 or more years' experience (100%) 2 years' experience (80%) 1 years' experience (40%) No experience (0)

			knowledge		
	3.4	Project organogram with qualifications of the project team and CVs of key personnel which clearly demonstrate the level of qualification and minimum required experience of key personnel. Curriculum Vitae (CV) of key personnel as well as their relevant qualifications (degree/diploma/certificates) to be submitted as part of the submission.	<u>Geomembrane QA / QC Technician</u> HDPE welding inspection certification from an accredited body. Training in the following NDT methods: • Vacuum box testing • Spark testing • Air pressure testing	10	3 or more years' experience (100%) 2 years' experience (80%) 1 years' experience (40%) No experience (0)
	3.5	Project organogram with qualifications of the project team and CVs of key personnel which clearly demonstrate the level of qualification and minimum required experience of key personnel. Curriculum Vitae (CV) of key personnel as well as their relevant qualifications (degree/diploma/certificates) to be submitted as part of the submission.	<u>Safety Officer</u> National Diploma in Safety Management, with SAMTRAC or safety related qualification	5	3 or more years' experience (100%) 2 years' experience (80%) 1 years' experience (40%) No experience (0)
4.	Equipment				
	4.1	Contractor must own or have access to specialised tools.	Scope of work document KUS-20250719: Section 3.4 The Contractor must demonstrate ownership the following equipment	10	Evidence of ownership or rental agreements for all required equipment

			or a signed Service Level Agreement (SLA) for Equipment's hire as and when required: • Extrusion welders • Hot wedge welders • Vacuum box set • Spark testing kit • Generator/backup power		provided. (100%) No evidence of ownership or rental agreements for all required equipment provided. (0)
	4.2	Contractor must own or have access to specialised tools.	**Scope of work document KUS-20250719: Section 3.4** The Contractor must demonstrate ownership of the following equipment or a signed Service Level Agreement (SLA) for Equipment's hire as and when required: • Concrete mixers • Breakers/compactors • Vibrators • Curing equipment • Portable formwork	10	Evidence of ownership or rental agreements for all required equipment provided. (100%) No evidence of ownership or rental agreements for all required equipment provided. (0)
				TOTAL: 100	

3.4 Tet Member Responsibilities

Table 3: TET Member Responsibilities

Qualitative Criteria Number	TET 1	TET 2	TET 3
1.1	X	X	X
2.1	X	X	X
2.2	X	X	X
3.1	X	X	X
3.2	X	X	X
3.3	X	X	X
3.4	X	X	X
3.5	X	X	X
4.1	X	X	X
4.2	X	X	X

3.5 Foreseen Acceptable / Unacceptable Qualifications

3.5.1 Risks

There are no acceptable technical risks. The Tenderer must comply fully with the required scope of work.

3.5.2 Exceptions / Conditions

There are no acceptable technical exceptions. The Tenderer must comply fully with the required scope of work.

4. Authorisation

This document has been seen and accepted by:

Name	Designation	Signature
Freeman Mnisi	Civil Engineer	
Lovemore Lukhele	Senior Supervisor Technician Mechanical Maintenance	

5. Revisions

Date	Rev.	Compiler	Remarks
November 2025	1	K Kgaladi	New document

6. Development Team

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

- Keoagile Kgaladi

7. Acknowledgements

Not applicable