

	Strategy	Engineering
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Title: **Technical Evaluation Strategy
For Appointment of Approved
Professional Persons for
Monitoring of Komati Power
Station Ash Dams and Water
Dams for A Period of Three
Years**

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1. INTRODUCTION

Komati Power Station is located in Mpumalanga, approximately 40 km west of Middelburg on the R35 towards Bethal. Constructed between 1961 and 1964, it was one of Eskom's first coal-fired power stations and has now reached the end of its operational life. The station is currently being decommissioned and repurposed as a Renewable Energy Station.

The site contains several dams that require ongoing monitoring and management, including:

- Ash Facilities: Ash Dam Compartments 1 and 2, Ash Dam Extension 3D, Ash Water Return Dam, and Ash Water Return Sumps.
- Raw Water Storage: Four (4) Raw Water Reservoirs.
- Polluted Water/Stormwater Dams: Lake Stoffel, Lake Finn, and the Third Recovery Dam.

In accordance with SANS 10286 and Chapter 12 of the National Water Act (Act 36 of 1998), dams classified, or requiring classification, as Category II or III dams with a safety risk must be monitored and reported on by an Approved Professional Person (APP). The APP assumes professional responsibility for dam safety monitoring and reporting to the Dam Safety Office (DSO) within the Department of Water and Sanitation (DWS).

Komati Power Station therefore seeks to procure the services of a suitably qualified consultant to provide dam monitoring services, including APP services where required, and specialist dam safety advisory support for the station's dams.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document sets out the technical evaluation criteria to be applied in the selection of a suitably qualified service provider for the provision of dam monitoring and related advisory services at Komati Power Station. The evaluation will assess the technical capability, experience, and resources of bidders to ensure compliance with the station's dam safety monitoring requirements, including the provision of Approved Professional Person (APP) services where required.

The document also defines the composition, roles, and responsibilities of the Technical Evaluation Team (TET) during the evaluation process. It is limited to the assessment of technical criteria and does not address the evaluation requirements relating to Safety, Health, Environment and Quality (SHEQ) or the financial/commercial evaluation.

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 **Eskom Generation** – Komati Power Station only.

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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

[2] Scope of Work for Appointment of Approved Professional Persons for Monitoring of Komati Power Station Ash Dams and Water Dams for A Period of Three Years

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
APP	Approved Professional Person
DWS	Department of Water and Sanitation
SHEQ	Safety, Health, Environmental and Quality
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

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

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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 minimum weighted score required for a tender to be considered technically acceptable is 70%. A weighted scorecard methodology will be applied to assess each tenderer's compliance with the technical specifications.

Only tenderers achieving an overall weighted score of 70% or higher will qualify for further evaluation. The technical scoring methodology is presented in the table below.

Table 1: Technical Scoring Methodology

SCORE	PERCENTAGE (%)	DESCRIPTION
5	100	COMPLIANT • Meet the technical requirement(s) AND, • No foreseen technical risk(s) in meeting technical requirements
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS • Meet the technical requirement(s) with, • Acceptable technical risks AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions
2	40	NON-COMPLIANT • Does not meet the technical requirement(s) AND/OR Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions
0	0	TOTALLY DEFICIENT/NON-RESPONSIVE

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3.2 TET MEMBERS

The technical evaluation team members are presented in the table below.

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1	Tshenolo Sebolai	Prof Engineer Civil
TET 2	Daniel Rammutha	Prof Engineer Civil
TET 3	Lehlohonolo Setlaelo	Senior Advisor -Technical Support

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3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

CRITERIA	DESCRIPTION AND TENDER RETURNABLE	REASON FOR CRITERIA
APP REGISTRATION (DWS)	The tenderer shall submit proof of the availability of an Approved Professional Person (APP) who is registered with the Department of Water and Sanitation (DWS). Evidence of the APP's current registration with the DWS must be included in the tender submission	To ensure that tenderers possess the required registration and are legally compliant with the Dam Safety Regulations to perform the duties and responsibilities of an Approved Professional Person (APP).

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

CRITERIA	DESCRIPTION OF CRITERIA	WEIGHT OF CRITERIA TO OVERALL SCORE	POINT ALLOCATION FOR CRITERIA	
1. Method statement/technical project proposal	In depth Method Statement (Technical Project Proposal) indicating the execution of the dam inspections and associated activities as indicated in the scope of work. Note: Technical Project Proposal must indicate compliance with relevant standards, guidelines and legislative requirements.	30	Technical proposal details fully how scope will be met and provides comprehensive methodology of approach and details in terms of how scope of work will be carried out for both ash dams and water dams,	5
			Technical proposal describes how scope of work will be carried out but lacks detail in terms of investigations or techniques for specialised activities e.g. Dam Safety evaluation	4
			Technical proposal does not contain methodology for all activities as listed in the scope of work.	2
			No technical proposal/method statement submitted	0
2. Company Experience	2.1 <u>Tenders Awarded</u> The bidder shall demonstrate experience in successfully executing projects of a similar scope, nature, and complexity.	25	The contractor must provide evidence of a previous or current contract that has been in place for a cumulative period of at least five (5) years within the last ten (10) years; OR	5

	Tenderers must submit valid evidence in the form of: Signed contracts indicating contract numbers; or Issued task orders/work orders accompanied by completion certificates or client-issued completion confirmations. Note: Bidders shall provide a list of verifiable references for all submitted projects. At a minimum, the reference list must include: • Project Name • Brief Project Description • Client/Employer Name • Valid Contact Person and Contact Details (telephone number and email address) • Project Start and Completion Dates • Contract/Project Value		Provide five (5) valid purchase orders and five (5) corresponding completion certificates issued within the last ten (10) years.	
			The contractor must provide evidence of a previous or current contract that has been in place for a cumulative period of 2-4 years within the last ten (10) years; OR Provide 2-4 valid purchase orders and corresponding completion certificates issued within the last ten (10) years.	4
			The contractor must provide evidence of a previous or current contract that has been in place for a cumulative period of one year within the last ten (10) years; OR Provide one valid purchase order and a corresponding completion certificate issued within the last ten (10) years.	2

			No evidence provided.	0
	2.2 <u>Reports Submitted</u> Bidders are required to submit a sample dam monitoring report from a project of similar scope. The submitted report will be evaluated to assess the bidder's technical expertise, methodology, quality of analysis, reporting standards, and overall capability to undertake the works. Note: Any reports provided as part of this evaluation will be handled in confidence and will be used exclusively for the assessment of the bidder's technical capability and quality of work. No information contained in the reports will be disclosed to third parties.	5	Report Submitted Report not submitted	5 0

3. Technical Expertise	3.1 <u>Site Project Execution Organogram</u> The Tenderer shall submit a detailed site Project Execution Organogram clearly identifying all key personnel proposed for the execution of the scope of work, including their roles, responsibilities, and reporting lines. The Tenderer shall also submit the following for each resource reflected on the organogram: • A comprehensive Curriculum Vitae (CV); • Certified copies of relevant qualifications; and • Valid professional registration certificates, where applicable.	10	Submission of a Project Execution Organogram supported by CVs and relevant qualifications for all proposed resources. 5	5
			Submission of a Project Execution Organogram supported by relevant qualifications for all proposed resources, but CVs not provided.4	4
			Submission of a Project Execution Organogram supported by CVs for all proposed resources, but relevant qualifications not provided 2	2
			Project Execution Organogram, CVs, and relevant qualifications not submitted.	0

	<u>3.2 Experience of Resources</u> The bidder shall indicate the years of relevant experience of all key site resources included in the proposed project organogram. Points will be allocated to each key resource individually based on the applicable experience requirements. The final score for this criterion will be determined by calculating the average score achieved by all evaluated resources. Example: • Resource 1 Score = 5 • Resource 2 Score = 5 • Resource 3 Score = 5 • Final Score: $\frac{(5+5+5)}{3} = 5$ The bidder will therefore achieve a final score of 5 points, which represents the maximum score available for this criterion.	30	<table><tr><th>Position</th><th>Point Allocation</th><th>Individual Score</th></tr><tr><td rowspan="5">Resource X</td><td>Experience greater or equal to five (5) years</td><td>5</td></tr><tr><td>Experience less than three (3) years but greater than two (2) years</td><td>4</td></tr><tr><td>Experience less than two (2) years but greater than one (1) year</td><td>2</td></tr><tr><td>No experience</td><td>0</td></tr><tr><td>No experience</td><td>0</td></tr></table>	Position	Point Allocation	Individual Score	Resource X	Experience greater or equal to five (5) years	5	Experience less than three (3) years but greater than two (2) years	4	Experience less than two (2) years but greater than one (1) year	2	No experience	0	No experience	0
Position	Point Allocation	Individual Score															
Resource X	Experience greater or equal to five (5) years	5															
	Experience less than three (3) years but greater than two (2) years	4															
	Experience less than two (2) years but greater than one (1) year	2															
	No experience	0															
	No experience	0															

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2.1	X	X	X
2.2	X	X	X
3.1	X	X	X
3.2	X	X	X

4. AUTHORISATION

This document has been seen and accepted by:

5. DEVELOPMENT TEAM

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

- Lehlohonolo Setlaelo
- Siyanda Malgas

6. ACKNOWLEDGEMENTS

All who assisted in compiling and reviewing this document.

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