Eskom	Strategy	Arnot Power Station

Title: **Tender Technical Evaluation Strategy for provision of professional services of an Approved Professional Person for 3 years at various dams at Arnot Power Station**

Unique Identifier:	
Alternative Reference Number:	**N/A**
Area of Applicability:	**Arnot Engineering**
Documentation Type:	**Strategy**
Revision:	**01**
Total Pages:	**17**
Disclosure Classification:	**CONTROLLED DISCLOSURE**

Compiled by	Functional Responsibility	Accepted by
……..	……	……..
A Tsitsa **Senior Civil Engineer** **Auxiliary Engineering**	**RC Mosehla** **Auxiliary Engineering Manager**	**T Mokgatle** **Engineering Manager**
Date: 06/10/2026	Date: 06/10/2026	Date: 09-09-2026

TABLE OF CONTENTS

Page

1. INTRODUCTION 3

2. SUPPORTING CLAUSES 3

2.1 SCOPE 3
2.1.1 Purpose 3
2.1.2 Applicability 3
2.2 NORMATIVE/INFORMATIVE REFERENCES 4
2.2.1 Normative 4
2.2.2 Informative 4
2.3 DEFINITIONS 4
2.3.1 Classification 4
2.4 ABBREVIATIONS 4
2.5 ROLES AND RESPONSIBILITIES 5
2.6 PROCESS FOR MONITORING 5
2.7 RELATED/SUPPORTING DOCUMENTS 5

3. TENDER TECHNICAL EVALUATION STRATEGY 6

3.1 TECHNICAL EVALUATION THRESHOLD 6
3.2 TET MEMBERS 6
3.3 MANDATORY TECHNICAL EVALUATION CRITERIA 7
3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA 8
3.5 TET MEMBER RESPONSIBILITIES 14
3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS 15
3.6.1 Risks 15
3.6.2 Exceptions / Conditions 16

4. AUTHORISATION 17

5. REVISIONS 17

6. DEVELOPMENT TEAM 17

7. ACKNOWLEDGEMENTS 17

LIST OF TABLES

Table 1: Qualitative Evaluation Criteria Scoring Table 6
Table 2: TET Members 6
Table 3: Mandatory Technical Evaluation Criteria 7
Table 4: Qualitative Technical Evaluation Criteria 8
Table 5: TET Member Responsibilities 14
Table 6: Acceptable Technical Risks 15
Table 7: Unacceptable Technical Risks 15
Table 8: Acceptable Technical Exceptions / Conditions 16
Table 9: Unacceptable Technical Exceptions / Conditions 16

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

1. INTRODUCTION

This document outlines the Tender Technical Evaluation Strategy for the appointment of Service Provider of an Approved Professional Person (APP) for the dams at Arnot Power Station. The evaluation will be conducted by the technical evaluation team (TET), based on the requirements and scope of work detailed in Document **AEP 0166**.

Arnot Power Station is a coal-fired power station located in Rietkuil, Mpumalanga Province. The power station is comprised of several dam complexes including ash dams, ash water recovery dams and station drains. The dams serve various critical functions such as the containment of ash, the collection and storage of clean and dirty storm water, the collection and storage of dirty process water and the storage of raw water for production purposes.

In accordance with the National Water Act (Act No. 36 of 1998) and the Dam Safety Regulations (Government Notice R139), a dam safety evaluation of a Category II or III dam must be undertaken by an Approved Professional Person (APP). The purpose of this evaluation is to identify any actual or potential deficiencies in the condition of the dam or in the quality and adequacy of its maintenance, operation and monitoring practises which could endanger human life, cause damage to property, or adversely impact on resource quality. As a result, thereof, it is imperative that the services of an Approved Professional Person supported by a Professional Team are procured to fulfil this statutory requirement and ensure compliance with applicable dam safety legislation and standards.

2. SUPPORTING CLAUSES

2.1 SCOPE

The need for the procurement of professional services of an Approved Professional Person supported by a Professional Team was identified at Arnot PS in compliance with GNR139 under Dam Safety Regulations. The objective is to appoint a reputable service provider to fulfil this requirement. This document outlines the Tender Technical Evaluation Strategy, which includes the following key aspects:

- The important elements to which the TET will allocate scores to as part of evaluation process.
- The relevant TET members and their respective responsibilities.
- The foreseen acceptable and unacceptable risks and qualifications.

This document provides the tender technical evaluation strategy relating to the dam safety scope of work at Arnot Power Station. The technical evaluation `requirements consist of mandatory and qualitative evaluation criteria.

Once the Technical Evaluation Strategy is authorised, no changes will be made to the evaluation criteria without appropriate authorisation. Upon authorisation of this strategy, no changes will be made to the evaluation criteria without applicable authorisation.

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 as defined by Auxiliary Engineering.

The strategy shall ensure that a consistent, fair, transparent, impartial and auditable process is followed to identify the highest technically ranked tenderer.

2.1.2 Applicability

This document applies to all interested parties regarding the provision of professional services for an Approved Professional Persona and a Professional Team for the Arnot PS and various other dams, as per

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

Document **AEP 0166**. Interested parties will be evaluated in accordance with this document to ultimately select the most suitable service provider.

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the document(s) listed in the following paragraphs.

2.2.1 Normative

[1] 240-168966153: Generation Tender Technical Evaluation Procedure

[2] ISO 9001 Quality Management Systems

[3] 240-78921684 Process Control Manual (PCM) for Source External Suppliers

[4] 240-44682850 PCM - Provide Engineering During Project Sourcing

[5] 32-1033 Eskom Procurement and Supply Chain Management Policy

[6] 32-1034 Eskom Procurement and Supply Management Procedure

2.2.2 Informative

[7] 240-53113685: Design Review Procedure

[8] 240-53114026: Project Engineering Change Management Procedure

2.3 DEFINITIONS

Abbreviation	Description
Contractor/Tenderer	Refers to the corporation appointed to perform the engineering, procurement, and construction works required for the project.
Employer	Refers to Eskom Holdings State Owned Company.
Specification	The document/s forming part of the contract in which the methods of executing the various items of work to be done is described, as well as the nature and quality of the materials to be supplied and it includes technical schedules and drawings attached thereto as well as all samples and patterns.
The Client	The end user will be Eskom who will be represented by Arnot Power Station throughout the duration of the Project.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
APP	Approved Professional Person
Arnot PS	Arnot Power Station
DSO	Dam Safety Office
DWS	Department of Water and Sanitation
ECSA	Engineering Council of South Africa

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

Abbreviation	Description
SACNASP	South African Council for Natural Scientific Professions
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

Civil Engineer: The Civil Engineer is responsible for the compilation of the tender technical evaluation strategy document.

Functional Responsibility: The Functional Responsible Person ensures that the document is fit for purpose before submitting for authorisation.

Engineering Manager: Performs a review of the document for alignment to business strategy, policy, objectives and requirements upon authorisation.

TET members: The delegated technical representatives responsible for the review and evaluation of the technical suitability of interested parties.

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

Not Applicable.

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tenderer to be considered from a technical perspective is 80%.

Table 1: Qualitative Evaluation Criteria Scoring Table

Score	(%)	Definition
5	100	**COMPLIANT** • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.
4	80	**COMPLIANT WITH ASSOCIATED QUALIFICATIONS** Meet technical requirement(s) with: • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions.
2	40	**NON-COMPLIANT** Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.
0	0	• TOTALLY DEFICIENT OR NON-RESPONSIVE
Note 1: The scoring table does not allow for scoring of 1 and 3. **Note 2**: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.		

3.2 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1	Ayanda Tsitsa	Senior Civil Engineer – Arnot PS
TET 2	Hlulani Mathebula	Civil Engineer – Arnot PS
TET 3	Tebatso Menziwa	Civil Engineer – Arnot PS

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

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.	The key resource of the project team must be a registered Approved Professional Person (APP) as per the Dam Safety Regulations Government Notice R. 139. APP must have a minimum of 10 years relevant experience in tailings dam engineering post registration as an Approved Professional Person. A valid proof of registration as an APP must be provided. If the key resource is not directly employed by the main contractor, a letter of intent which is signed by both the main contractor and the key resource form the main contractor must be provided to confirm that the key resource will be a part of the project team for the duration of the project. An employment contract/agreement between the main contractor and the key resource will also be acceptable.	Tender Returnable • CV • Valid proof of registration as an Approved Professional Person. • Certified ECSA registration Certificate • Certified Qualification certificate • Certified Identity Document Copy Note: Certified date not older than 3 months from date of tender closure.	This criterion provides assurance that the work is performed by a competent and authorised individual as per GNR139 and that the key resource will be a part of the project team for the duration of the project.
2.	The professional team members with discipline expertise must be registered with the Engineering Council of South Africa as a PrEng, PrTech or South African Council for Natural Scientific Professions as a Pr. Sci. Nat (should the APP be receiving assistance with Geology or Hydrology).	Tender Returnable – Valid proof of registration with the Engineering Council of South Africa and/or South African Council for Natural Scientific Professions. List of verifiable project involvement in key activities in dams as per the dam components listed in **DW698E** (*should the APP be receiving discipline specific expertise assistance*)	This criterion provides assurance that the work is performed by competent and authorised individuals for a Category III dam.

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 Proposal**			**20%**	
	1.1	**Technical proposal:** Detailing the work methodology and how the bidder intends to execute and complete the scope of works detailed in Document **AEP 0166** across the contract duration.	The bidder must demonstrate an understanding of the terms of reference, clarity and conceptualization of the methodology. Project approach plan and broad methodologies in line with the criteria outlined under scope of works, with milestones and timeframes for each task to be completed. The method statement should clearly demonstrate the tenderer's full compliance with the scope of work. The following items must be clearly indicated in detail: 1. Clear compliance and monitoring milestones, and timeframes for each task to be completed. 2. Evaluation criteria for each task (desktop studies, visual inspections, structural assessment, compilation of reports etc.). 3. Evaluation and supervision of work. 4. All standards and guidelines to be complied with ICOLD, GNR, SANS and GISTM. 5. Quarterly plan of activities to be executed.	**15%**	5 =100% Fully compliant. All 5 items included. 4 = 80% Method statement submitted but not fully detailed. Any 3 items included. 2 = 40% Method statement submitted but not fully detailed and with missing technical aspects. Any 2 items included. 0 = 0% Totally deficient or non-responsive. None of the above items are included.

	1.2	**Professional/Candidate Engineer Support**	Did the bidder include commitment to second and/or support Eskom Professional Engineer towards APP registration and or Eskom Candidate Engineer towards Professional Registration as part of skills transfer?	**5%**	5 = 100% : If yes 0 = 0% : If no
2.	**Competencies**			**80%**	
	2.1	**Company experience**	Number of successful completions of dam engineering projects (Tailings and Earthfill Embankment dams) by the bidder with reference to the following tasks: a) Evaluation of dams with a safety risk b) Design of dams with a safety risk c) Quality control during construction of a dam with a safety risk, or relevant dam engineering project. The bidder must submit evidence of completed projects with the following information: - Project Name/Dam and Client - Description of work performed - Project start and end dates - Name, designation, and contact number of the reference person Description of work performed (description must be detailed enough to demonstrate that work performed on the project is similar in nature to the works required on this project). The services rendered or reports produced should be verifiable via a completion certificate or testimonial/letter of completion with contactable references.	**20%**	5 = 100% five or more dam engineering projects, with 50% in tailings dams. 4 = 80% four dam engineering projects, with 50% in tailings dams. 2 = 20% two to three dam engineering projects, with 50% in tailings dams. 0 = 0% One dam engineering projects, with 50% in tailings dams. Or no submission

	2.2	**Experience of professional team members**	The professional team members should demonstrate experience/knowledge of Dam Engineering, Inspection of materials, Foundations, Monitoring system, Structural Analyses and Hydraulics for **at least three dams** with a safety risk with a **minimum of six (6) years relevant experience**. <u>Returnable for professional the team:</u> **Academic qualifications**: Certified Civil Engineering qualification 1) BSc/Beng degree in civil engineering 2) BTech/Beng Tech degree in civil engineering 3) National Diploma in civil engineering **Professional membership registration:** Proof of professional registration with the Engineering Council of South Africa and/or Professional Natural Scientist, in the case of an Engineering Geologist. **Curriculum Vitae** Bidder is to provide proof of the involvement in the form of references on the specific reports/annexures to the reports. The references shall reflect the following: • Name of project and client; • Name, designation and contact number of contact person • Brief description of works listed on an approved **DW 698E** form. o Experience and knowledge in Dam Engineering and related	**20%**	5 =100% At least 5-6 years of dam engineering experience post registration with ECSA as a PrEng, PrTechEng, or relevant qualification related to dam engineering for at least 2 team members with the most experience. 4 = 80% 3-4 years of dam engineering experience post registration with ECSA as a PrEng, PrTechEng, or relevant qualification related to dam engineering for at least 2 professional team members with the most experience. 2 = 40% 1-2 years of dam engineering experience post registration with ECSA as a PrEng, PrTechEng, or relevant qualification related to dam engineering for at least 2 professional team members with the most experience. 0 = 10% 0 years of dam engineering experience post registration with ECSA as a PrEng, PrTechEng, or relevant qualification related to dam engineering for at least 2 professional team members with the most experience or no submission.

			engineering disciplines ○ Experience and knowledge in the design and operation of different types of dams. ○ Experience and knowledge in structural analysis of dams. • Key components of the professional team in the form of an organogram. This must reflect explicit information about the roles, responsibility, relevant capacity, capability, and experience of the team members. • **Certified Identity Document Copy**		
	2.2	**Experience of Approved Professional Person in similar tasks:**	The key resource of the project team must be a registered Approved Professional Person (APP) as per the Dam Safety Regulations Government Notice R. 139. A valid proof of registration as an APP must be provided. If the key resource is not directly employed by the main contractor, a letter of intent which is signed by both the main contractor and the key resource must be provided to confirm that the key resource will be 2a part of the project team for the duration of the project. An employment contract/agreement between the main contractor and the key resource will also be acceptable. An up-to-date CV of the Approved Professional Person having a minimum of ten (10) years' relevant experience conducting dam safety evaluations on dams with a safety risk. The Approved Professional Person should demonstrate experience/knowledge of Dam	**40%**	5 =100% 10+ years of tailings dam engineering experience post registration as an Approved Professional Person. 4 = 80% At least 8-9 years of tailings dam engineering experience post registration as an Approved Professional Person. 3 = 60% At least 6-7 years of tailings dam engineering experience post registration as an Approved Professional Person. 2 = 40% At least 0-5 years of tailings dam engineering experience post registration as an Approved Professional Person.

			Engineering, Stability Analyses for different types of dams under different loading conditions, Hydrology, Hydraulics and Outlet works for at least three tailings' dams with a safety risk. **Academic qualifications**: Civil Engineering **Professional membership registration**: Professionally registered with the Engineering Council of South Africa and valid proof of registration as an Approved Professional Person with the Department of Water and Sanitation: Dam Safety Office. The Approved Professional Person is to provide proof of their latest verifiable involvement in the form of references in the past five years. The references shall reflect the following: • Name of project/Dam and client; • Proof of approval as an APP for the respective dam from the Head of Specialist Unit: Dam Safety Regulation. • Brief description of works executed; • Name, designation and contact number of contact person. The APP must be in a position to provide support to Eskom Professional Engineers (As part of knowledge sharing) for their compilation of experience towards registration as APPs. Bidders must include this commitment in their proposals.		

		TOTAL: 100	
		Minimum Threshold Required is 80%	
		Is the tenderer technically suitable? Yes/No	

3.5 TET MEMBER RESPONSIBILITIES

Table 4 identifies the TET members allocated to review/evaluate each Qualitative criterion.

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
APP Registration and proof of commitment	X	X	X
Professional Registration Relevant experience in Dam Safety or Related Civil Infrastructure	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**
Technical Proposal/Method Statement	X	X	X
Company experience	X	X	X
Experience of professional team members	X	X	X
Experience of Approved Professional Person in similar tasks	X	X	X

X - Mandatory

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	None

Table 7: Unacceptable Technical Risks

Risk	Description
1.	Non-compliance with the requirements of the scope and deliverables
2.	Exclusions of scope specified in the Scope of Works
3.	Change of Sub-Contractors after Tender award without approval from the Employer
4.	The Tenderer does not show a full understanding of the scope of work
5.	Professional team does not have demonstrable experience as per DW698E.
6.	The inadequate experience level and/or inactive professional registration of the key resources to perform such works
7.	Change of Key Resources after Tender award without approval from the Employer
8.	Working outside of allocated footprint without obtaining prior approval from the Employer
9.	The Tenderer is at risk of not providing the full Scope of Work.

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Only individual experience of team members will be considered and not the combined years of experience of the team members. The Service Provider must have a minimum of 3 team members with at least two years of dam engineering experience.

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Tenderers technical submission does not address entire scope required.
2.	Tenderers APP experience is inadequate.
3.	The technical proposal/method statement is generic, incomplete, and not tailored to address the specific project objectives, scope and constraints. It does not deal with the critical constraints and hazards of the project.
4.	Non-compliance with Legislative and Employer standards.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Christine Mosehla	Auxiliary Engineering Manager – Arnot PS
Tsepho Mokgatle	Engineering Manager – Arnot PS
Elijah Kisaame	Chief Engineer: Civil and Structural Engineering – Generation Engineering
Nhlanhla Tshabalala	Chief Engineer: Civil and Structural Engineering – Generation Engineering

5. REVISIONS

Date	Rev.	Compiler	Remarks
November 2025	00	A Tsitsa	Final Document
November 2026	01	A Tsitsa	Criteria Weighting (%) total

6. DEVELOPMENT TEAM

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

- Ayanda Tsitsa
- Nhlanhla Tshabalala

7. ACKNOWLEDGEMENTS

- N/A

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.