Eskom	Strategy	Engineering

Title:	**Tender Technical Evaluation Strategy for Arnot Power Station Critical Structures Annual Inspections and Monitoring**	Unique Identifier:	**AEAP 0153**
		Alternative Reference Number:	**N/A**
		Area of Applicability:	**Arnot Engineering**
		Documentation Type:	**Strategy**
		Revision:	**0**
		Total Pages:	**11**
		Disclosure Classification:	**CONTROLLED DISCLOSURE**

Compiled by	**Functional Responsibility**	**Authorised by**
M Nkgapele	**RC Mosehla**	**T Mokgatle**
Civil Engineer	**Aux Engineering Manager**	**Engineering Manager**
Aux Engineering		
Date: 28/10/2025	Date: 04/11/2025	Date: 05/11/2025

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TABLES

1. INTRODUCTION

This document presents the Tender Technical Evaluation Strategy for Arnot Power Station's Critical Civil Structures Annual Inspections and Monitoring Survey. The various aspects that shall be evaluated by the technical evaluation team (TET) in respect of the detailed scope of works contained in Document AEAP 0141 are defined.

2. SUPPORTING CLAUSES

2.1 SCOPE

The need for compliance with Construction Regulations, 2014 promulgated under the Occupational Health and Safety Act (Act no. 85 of 1993) to ensure that civil structures are inspected at least on an annual basis and monitored for safe continued use was identified at Arnot PS. The strategy seeks effort to procure a reputable service provider as a Consultant (inspector) to meet this need. This document outlines the following:

- The important aspects 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.

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 Critical Civil Structures Annual Inspections and Monitoring Survey, as per Document AEAP 0141. Interested parties will be evaluated in accordance with this document to ultimately select the most suitable service provider as a Consultant.

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

N/A

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
TET	Technical Evaluation team
Arnot PS	Arnot Power Station

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

AEAP 0141 Arnot Power Station Critical Structures Annual Inspections & Monitoring for a period of 5yrs

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 70%.

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	Matsopole Nkgapele	Civil Engineer – Auxiliary Engineering
TET 2	Nkosinathi Mthethwa	Civil Engineer – Auxiliary Engineering
TET 3	Tebatso Menziwa	Civil Engineer – Auxiliary Engineering

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Gatekeepers identified in the strategy will be a "must meet" criteria. The Consultant(s) tender will be assessed based on the questionnaire seeking **YES or NO** response from the Consultant(s) with no point scores or weighted averaged assigned to the response.

Response of **NO** against any criteria will be elimination of the *Consultant's* tender from further consideration or short listing for detailed technical evaluation. Gatekeepers will be minimum criterion elements with most significant and critical parameters applicable to the successful execution of the

Table 3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria	Criteria Met?
1.	**Skills and Qualifications:** Consultant must be equipped/appoint a professional inspection team with professional civil engineers in possession of Pr. Eng./ Pr. Tech registered with ECSA and specializing in Structures	**Key personnel** **Two (2) Engineers** CVs with qualifications and **ECSA registration certificates with numbers** submitted - at least 3 years (Pr Eng./ Pr. Tech) **"post registration"** specializing in Structures Detailed CV(s) of the registered persons must highlight relevant Structural inspection projects	To ensure that the Consultant is capable of executing the inspection scope as per AEAP 0141 scope of works document and has relevant expertise to minimize risk and be compliant with good industry practices.	**YES or NO**

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 Engineering – Proposal, Relevant Skills and Experience**			**100%**	
	1.1	**Technical proposal:** The Consultant submits a detailed proposal/method statement demonstrating the Visual Inspections and Structural Condition Assessment of critical structures at Arnot Power Station (Indicating Scope to be undertaken, compliance with required detailed inspections, investigations, assessments, tests, life expectancy, and 3D laser scan). This is inclusive to specifying labour, equipment/machinery to be employed and applicable to the execution of the detailed inspections.	**Detailed method statement/technical proposal** as per Scope of Work AEAP 0141.	**40%**	5 =100% Technical proposal fully details how the scope will be met and provides comprehensive methodology of approach. 4 = 80% Technical proposal details how the scope will be met and provides an acceptable methodology 2 = 40% Technical proposal does not contain methodology of approach but contains high level descriptions of how detailed inspections will be conducted or Technical proposal reiterates scope of works 0 = 0% No Method statement submission/ Not satisfactory
	1.2	**Relevant experience and similar previously completed project records:** To demonstrate experience or expertise indicating the Consultant's track record in	**Evidence for completion of the relevant projects/contracts** Work Completion certificates of a **minimum** of five (5) contracts/projects of similar scope and nature, indicating successful execution of detailed condition inspections for reinforced concrete structures, forensic investigations, assessments, test, life	**45%**	5 =100% Completion certificates of at least five (5) previous relevant projects submitted. 4 = 80% Completion certificates of three (3) to four (4) previous relevant projects submitted.

		projects scope of similar nature i.e. **structural inspections and structural integrity, life expectancy studies** etc and to that outlined in Document AEAP 0141	expectancy studies and 3D laser scans and. The certificates shall reflect the following: • Name of project client; • Contract number; • Brief description of works executed; • Project value; • Project start and end date; • Name, designation and contact number of contact person. The completion certificates must be verifiable.		2 = 40% Completion certificates of less than three (3) previous relevant projects submitted. 0 = 0% Totally deficient or non-responsive 0 = 0% 0% totally deficient or non- responsive
	1.3	**Key personnel Organogram** clearly indicating particular names and qualifications of the Lead/Specialist Structural Engineer and his supporting staff that will be involved with executing the works	Project Organogram as per Scope of Work AEAP 0141	**15%**	5 =100% Key personnel clearly indicated on the organogram and with At least two (2) Engineers with at least 5 years (Pr Eng./ Pr. Tech) **"post registration"** 4 = 80% Key personnel indicated on the organogram and with At least two (2) Engineers with at least 3- 4 years (Pr Eng/Pr Tech.) **"post registration"** 2 = 40% 40% of key personnel clearly indicated on the organogram with at least 1- 3 years Pr Eng/Pr Tech.) **"post registration"** 0 = 0% 0% totally deficient or non- responsive
				TOTAL: 100	
		Minimum Threshold Required is 70%			
		Is the tenderer technically suitable? Yes/No			

3.5 TET MEMBER RESPONSIBILITIES

Table 5 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
Key personnel competency	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**
Technical proposal	X	X	X
Relevant experience and track records	X	X	X
Project key personnel organogram	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.

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

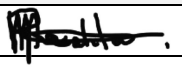
Risk	Description
1.	None.

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Non-compliance with the requirements of the scope and deliverables.
2.	Lack of a Professionally registered Engineer(s) (ECSA) with the stipulated post registration experience in structural inspections and structural integrity and life expectancy studies

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
RC Mosehla	Aux Engineering Manager	
M Nkgapele	System Engineer (Civil)	
N Mthethwa	System Engineer (Civil)	
T Menziwa	System Engineer (Civil)	
T Mokgatle	Engineering Manager	

5. REVISIONS

Date	Rev.	Compiler	Remarks
October 2025	0	M Nkgapele	Issued for approval

6. DEVELOPMENT TEAM

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

Matsopole Nkgapele

7. ACKNOWLEDGEMENTS

Nkosinathi Mthethwa