Eskom	Strategy	Duvha Power Station

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TABLES

1. INTRODUCTION

The tender evaluation strategy is developed for the purpose of obtaining a service provider to take the professional responsibility and accountability in accordance with ECSA, for providing civil engineering inspections and remedial designs services. The works entails identification, assessment, management and mitigation of all risks, defects, technical supervision associated with the Civil and Structures engineering plant for Duvha Power Station.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the technical evaluation criteria to be utilised for the process of evaluating the tender submissions for the Duvha Civil Structures professional services.

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 is applicable to Duvha Power Station.

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] 240-168966153: Generation Tender Technical Evaluation Procedure.

[2] 240-44682850: PCM - Provide Engineering During Project Sourcing.

[3] 32-1033: Eskom Procurement and Supply Chain Management Policy.

[4] 32-1034: Eskom Procurement and Supply Management Procedure.

2.2.2 Informative

[5] 382-170127 Duvha Power Station Civil Structures Inspection scope of work.

2.3 DEFINITIONS

2.3.1.1 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.

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

2.3.1.3 Contractor: Service provider, consultant or Contractor that is approved by the Employer.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
BAS	Bachelor of Architectural Studies
Barch	Bachelor of Architecture
BEng	Bachelor of Engineering
BSc	Bachelor of Science
B-Tech	Bachelor of Technology
BEng Tech	Bachelor of Engineering Technology
CARs	Civil Aviation Regulations
CV	Curriculum Vitae
ECSA	Engineering Council of South Africa
ID	Identification Documentation
NEC	New Engineering Contract
NQF	National Qualification Framework
PCM	Process Control Management
PrArch	Professional Architect
Pr. Eng	Professional Engineer
Pr. Tech	Professional Technologist
PSC	Professional Service Contract
SACAP	South African Council for the Architectural Profession
SE	System Engineer
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

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

2.6 PROCESS FOR MONITORING

The primary process that shall be used for monitoring the application of this document is 240-168966153: Generation Tender Technical Evaluation Procedure for Generation.

2.7 RELATED/SUPPORTING DOCUMENTS

[6] 240-53716746: Tender Technical Evaluation Report Template

[7] 240-53716712: Tender Technical Evaluation Results Form Template

[8] 240-53716726: Tender Technical Evaluation Scoring Form Template

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (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	Vusi Chirwa	System Engineer: Civil and Structures
TET 2	Thilivhali Muthakhi	System Engineer: Civil and Structures

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Mandatory Criteria Evaluation

All TET members as defined in the Tender Technical Evaluation Strategy (and specifically TET member responsibilities) shall independently evaluate each tender in terms of compliance to the defined Mandatory Evaluation Criteria. Each TET member shall provide an individual scoring form on the compliance / non-compliance of all tenderers' responses to the Mandatory Evaluation Criteria. Each TET member shall provide clear justification(s) for each Mandatory Criteria evaluated as non-compliant ('NO'). All individual scoring forms shall be evaluated by the System Engineer (SE) to check for consistency in scoring of the Mandatory Evaluation Criteria. Should the SE find inconsistency in the scoring, an internal clarification meeting shall be conducted with all TET members (who performed the evaluation) in the presence of the Commercial Representative. This meeting shall aim to jointly establish which of the tenderers qualify for the next phase of Qualitative Technical Evaluation. In the case where no tenderer meets all Mandatory Evaluation Criteria this shall be formally escalated to the Commercial Representative who shall guide the subsequent process. All meeting minutes shall be recorded and distributed to the Commercial Representative and included in the Tender Technical Evaluation Report.

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	ECSA professionally registered Engineers (Pr.Eng) (x2). Engineer with a minimum of 10 years' experience within the civil engineering industry. Engineer (candidate) with a minimum of 5 years' experience within the civil engineering industry. SACAP Professional Architect (Pr.Arch) with a minimum of 3 years' experience within the Architectural or Civil industry.	Tenderers shall submit CVs, certified copies of ECSA and SACAP professional registration certificates, certified copy of Identification documentations (IDs). **NB:** • **Suspended or inactive ECSA registration status will not be considered.** • **Certification of copies shall be within 6 months. No certification or certification over 6 months will not be considered.** • **Certifying of old certified document will not be considered**	The requirement is for Engineering consulting work as stipulated on the Engineering Professional Act, Act 46 of 2000. The requirement is for Architectural Profession Act 44 of 2000.
2.	Drone Pilot with Remote Pilot License (CV for a drone pilot with at least 3 years of experience in drones and modern aviation tech).	Tenderers shall submit a CV, certified copy of Remote Pilot Licence and a copy of certified Identification documentation (ID). **NB:** • **Certification of copies shall be within 6 months. No certification or**	Legislative Compliance with Civil Aviation Regulations (CARs) and Technical Standards Remotely Piloted Aircraft Systems – Part 101.

		certification over 6 months will not be considered. • **Certifying of old certified document will not be considered**	

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Tenderers that have met all the Mandatory Evaluation Criteria shall be evaluated against the Qualitative Criteria as defined in the Tender Technical Evaluation Strategy. The scoring of qualitative criteria shall be based on the degree of achievement by the tenderer to meet the technical requirements. A score shall be allocated as per Table 3: Qualitative Evaluation Criteria Scoring Table, for each technical qualitative criterion. Each TET member shall populate a Tender Technical Evaluation Scoring Form [8] for each tenderer. Note: Individual Qualitative Criteria scores shall only be finalised after all clarification sessions have been concluded.

Table 3: 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**

Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Scoring Criteria
1.	**Civil and Structural Engineering Criteria**			**100**		
	1.1	**Previous projects completed:** Provide proof of relevant experience in the consulting industry. The tenderer must have completed consulting work such as Civil Structural designs (buildings, power station structures, industrial structures, any other structures listed in the scope of work), Assessments through inspections/investigations and/or provide solution as well as technical supervision as a main contractor or subcontractor. Submit at least five (5) verifiable references for previous work completed in the last 15 years. • At least 2 completion certificates for Civil structural Inspections. • At least 2 completion certificates for Designs which includes new buildings/ Structures or modification of existing buildings.	382-170127 Duvha Power Station Civil Structures Inspection scope of work.		25	5 = 100% = 6 or more verifiable completion certificates of similar works as per the requirements submitted and within the last 15 years. 4 = 80% = 3 or 5 verifiable completion certificates of similar works as per the requirements submitted and within the last 15 years. 2 = 40% = 1 or 2 verifiable completion certificates of similar works as per the requirements submitted and within the last 15 years. 0 = 0% = No submission or submitted completion certificates are older than 15 years.

		• At least 2 completion certificate that includes assessment or investigations of existing structures inclusive of non-destructive testing (such as 3D Scanning and analysis. Coring, carbonation tests and analysis). Completion certificates signed by both parties shall be attached for each reference indicating the following: • Project name • Principal contractor • Client • Description of work performed (size of structures to be indicated) • Project cost (only for scope performed) • Project start and end date • Name, designation and contact number of reference person				
	1.2	**Site Organogram** Proposed site organogram showing all proposed Civil and Structural Consulting personnel (ECSA Professionally Registered Engineers ECSA Candidate Registered Engineers/ Technologists (Site Engineers for technical supervision), Technician, Draftsperson, Architects, Safety officer that will be allocated to the Duvha site for the required consulting work for the contract	Signed (by the director of the company) organogram matching key personnel CVs.		10	5 = 100% = Site organogram submitted and showing all proposed key personnel and matching submitted CVs for the services. 4 = 80% = Site organogram submitted and showing 80% of the key personnel and matching submitted CVs for the services. 2 = 40% = Site organogram submitted and showing 40% of the key personnel and matching submitted CVs for the services.

		duration, showing all category skills described in the scope of work. The organogram shall include roles, names and responsibilities of all key personnel.				0 = 0% = Site organogram submitted and showing less than 40% or no submission or submitted without a signature from the director of the company
	1.3	**Proposed Inspection Method Statement** Provide a typical method statement for the scope of works. The method shall clearly provide details of the inspection/assessment works that will be adopted for execution assessing the structures listed in 3.3 of the scope of work. The method statement shall cover the following. • Access to the structures or plant area. • Plant/equipment to be used for the inspection works. • Typical resource responsibilities • Information to be provided in the assessment report. • How the contractor will adhere to Health and Safety.	382-170127 Duvha Power Station Civil Structures Inspection scope of work.		35	5 = 100% - All 5 of the minimum high-level requirements are covered in the method statement. The method statement is consistent /aligns with the Scope of Work, is comprehensive and demonstrates the ability of the contractor to execute the scope. 4 = 80% - 3-4 of the minimum high-level requirements are covered in the method statement. The method statement is also consistent with the scope of works. 2 = 40% - 1-2 of the high-level requirements are covered in the method statement. The method statement is poor. 0 = 0% - None of the minimum high-level requirements are covered in the method statement/ no method statement submission
	1.4	**Proposed Design Method Statement** Detailed design methodology for the designs of new structures and modification of existing structures. The design methodology provides details of the design approach and philosophy to be followed, including compliance to specific standards and design reviews by the Employer.	382-170127 Duvha Power Station Civil Structures Inspection scope of work.		30	5 = 100% - All 4 of the minimum high-level requirements are covered in the method statement. The method statement is consistent /aligns with the Scope of Work, is comprehensive and demonstrates the ability of the contractor to execute the scope. 4 = 80% - 3 of the minimum high-level requirements are covered in the method statement. The method statement is also consistent with the scope of works.

		The design methodology shall include the following. • Proposed execution plan for new structures, which includes a high-level work breakdown structure of deliverables. • Proposed execution plan for modification of existing structures, which includes a high-level work breakdown structure of deliverables. • Proposed execution plan for modification of existing and new liquid containing structures (steel and concrete), which includes a high-level work breakdown structure of deliverables. • Construction supervision and design assurance.				2 = 40% - 1-2 of the high-level requirements are covered in the method statement. The method statement is poor. 0 = 0% - None of the minimum high-level requirements are covered in the method statement/ no method statement submission
				TOTAL: 100		

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
1	X	X
2	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**
1.1	X	X
1.2	X	X
1.3	X	X
1.4	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	**N/A**

Table 7: Unacceptable Technical Risks

Risk	Description
1.	**N/A**

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	**N/A**

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	**N/A**

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Thilivhali Muthakhi	System Engineer: Civil and Structures	

5. REVISIONS

Date	Rev.	Compiler	Remarks
March 2023	1	V Chirwa	Original document
March 2026	2	V Chirwa	Incorporation of drone pilot requirements.

6. DEVELOPMENT TEAM

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

Thilivhali Muthakhi

7. ACKNOWLEDGEMENTS