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## 1. INTRODUCTION

This document outlines the technical requirements and scope of work needed to place a routine preventative and corrective contract which will also render the multidisciplinary civil maintenance services.

Multidisciplinary civil engineering, preventative and corrective maintenance services include but not limited to visual and detailed inspections, adhoc maintenance repairs, and compiling maintenance reports including scope of work, bill of quantities, tender technical evaluation and NEC contract document. The condition of the structures, geotechnical, stormwater drainage, roads, dams and buildings in general must be evaluated based on Eskom's civil inspection manual and the frequency of the detailed inspections planned accordingly. Contractor to provide a Senior Civil Engineer/Technologist or an Eskom approved competent person, who will supervise the work, give technical assurance at all times on behalf of the Contractor, and form part of Tutuka's team to conduct investigations.

The *Contractor* will be responsible for the preventative and corrective maintenance of Tutuka Civil, Structural and Building works. The *Contractor* shall maintain civil & building works to ensure that: -

- There is a decreased need for constant capital investment.
- Existing facilities are used their full life expectancy.
- The infrastructure performs better, effective and reliable and has a longer life due to a greater emphasis on preventive maintenance.
- The productivity of personnel is enhanced because of a lack of frustration due to constant equipment failure.
- Compliance to Construction Regulations of 2014 and Eskom's procedures and standard.

The purpose of this document is to develop the mandatory and qualitative technical evaluation criteria to evaluate all tenders received from the Service Provider(s) in response to the Enquiry. Supporting Clauses

## 2. SUPPORTING CLAUSES

### 2.1 SCOPE

The *Contractor* shall perform preventative and routine maintenance as described in the issued Scope of Work- Multidisciplinary civil engineering, preventative and corrective maintenance services [15ENG GEN-1037]

#### 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 will apply to all appointed involved in the technical tender evaluation of tenders received from the Service Provider(s) in response to the 5 Year Civil Maintenance Service Contract.

## 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] 240-53716726 Technical Scoring Form
- [3] 240-53716712 Technical Evaluation Results

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- [4] 15ENG GEN-1037: Multidisciplinary Civil Engineering Services, Preventative and Corrective Maintenance Contract (Rev 5.0)
- [5] NEC3 Contract- Maintenance Service Contract

### 2.2.2 Informative

- [1] ISO 9001 Quality Management Systems
- [2] 240-99527377 Inspection Manual for Civil Works at Eskom's Power Stations
- [3] 2014 Construction Regulation
- [4] Occupational Health and Safety Act (No. 85 of 1993)
- [5] ISO 9001: 2015 Quality Systems Standard

## 2.3 DEFINITIONS

### 2.3.1 Classification

- a. **Confidential:** the classification given to information that may be used by malicious/opposing/hostile elements to **harm** the objectives and functions of Eskom Holdings Limited.

## 2.4 ABBREVIATIONS

Abbreviation	Description
CFT	Cross Functional Team
EDWL	Engineering Design Work Lead
RFP	Request for proposal
RFQ	Request for Quotation
TET	Technical Evaluation Team
SHEQ	Safety, Health, Environment & Quality
ECSA	Engineering Council of South Africa
PrEng	Professional Engineer
PrTech	Professional Engineering Technologist

**Table 1: Abbreviations**

## 2.5 ROLES AND RESPONSIBILITIES

N/A as per 240-48929482: Tender Technical Evaluation Procedure

## 2.6 PROCESS FOR MONITORING

## 2.7 THE TENDER COMMITTEE WILL EVALUATE THE CONTRACT. RELATED/SUPPORTING DOCUMENTS

As per section 2.2.

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### 3. TENDER TECHNICAL EVALUATION STRATEGY

The evaluation criteria will be based upon a two-step process:

#### 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 EDWL to check for consistency in scoring of the Mandatory Evaluation Criteria. Should the EDWL 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.

#### Qualitative Criteria Evaluation

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 2: Qualitative Evaluation Criteria Scoring Table, for each technical qualitative criterion. Each TET member shall populate a Tender Technical Evaluation Scoring Form [2] for each tenderer. Note: Individual Qualitative Criteria scores shall only be finalised after all clarification sessions have been concluded.

**Table 2: Qualitative Evaluation Criteria Scoring Table**

Score	%	Definition
5	100	<b>COMPLIANT</b> Meet technical requirement(s) AND; No foreseen technical risk(s) in meeting technical requirements.
4	80	<b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b> Meet technical requirement(s) with; Acceptable technical risk(s) AND/OR; Acceptable exceptions AND/OR; Acceptable conditions.
2	40	<b>NON-COMPLIANT</b> Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; Unacceptable exceptions AND/OR; Unacceptable conditions.
0	0	<b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>
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.		

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unambiguously defined in the relevant 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**

The technical evaluation team will be composed of a minimum of two members per discipline from the table below with at least one being professionally registered per discipline.

**Table 3: TET Members**

<b>TET number</b>	<b>TET Member Name</b>	<b>Designation</b>
TET 1		Senior Civil Engineer
TET 2		Senior Civil Technologist
TET 3		Civil Engineer

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### 3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Gatekeepers identified in the tender document will be “must meet” criteria identified in tabular questionnaire form. The *Contractor(s)* tender will be assessed based upon questionnaire seeking **YES** or **NO** response from the *Contractor(s)* with no point scores or weighted averaged assigned to the response.

Response of **NO** against any criteria will be elimination of the *Contractor(s)* tender for 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 RFP. Table 4 lists the mandatory gatekeeper questionnaires identified for the subject RFQ.

	<b>Mandatory Technical Criteria Description</b>	<b>Reference to Technical Specification / Tender Returnable</b>	<b>Motivation for use of Criteria</b>
1.	The tenderer submits the qualifications and previous work experience of the Civil Professional Engineer or Professional Civil Engineering Technologist	1. CV of the Professional Civil Engineer or Professional Civil Engineering Technologist with minimum 5 years <b>post professional registration</b> work experience.  2. All relevant certificates (BSc/BEng/BTech/BEng Tech degree & Active ECSA Registration Certificate or proof of active registration)	To minimize the risk and be compliant with good industry practices

**Table 4: Mandatory Technical Evaluation Criteria**

### 3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 5: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	<b>Routine &amp; Preventative Maintenance</b>		80%	
1.1	<p>Contractor to submit detailed Method Statement for the Civil works clearly showing the ability of the Contractor to perform the required works as per the scope of work provided. <i>The Contractor</i> must demonstrate how the preventative and corrective maintenance of Tutuka Civil, Building &amp; Structures will be executed.</p> <ul style="list-style-type: none"> <li>Detailed method statement fully demonstrates how scope will be met and provides comprehensive methodology of approach (10/10 <b>listed activities</b>) = <b>5 points</b></li> <li>Compliant method statement demonstrating how scope will be met, some aspects are missing however, the methodology of approach is acceptable (7 or more <b>listed activities</b>) = <b>4 points</b></li> <li>Method statement does not contain methodology of approach/ Missing one of the aspects/ reiterates scope of works/ Method statement is generalised and not specific to scope of work (less 7 listed activities) = <b>2 points</b></li> <li>No Method statement/ Not relevant to scope of works (high level non-detailed method statement) = <b>0 point</b></li> </ul>	<p>Construction Methodology clearly detailing the civil/structural plants inspections and maintenance activities approach and method to be adopted for all infrastructures and activities listed in Scope of works doc [15ENG GEN-1037.</p> <p>The method statement should clearly detail the contractor's approach to the <b>listed activities</b>:</p> <ol style="list-style-type: none"> <li>Civil Infrastructure Inspections</li> <li>Plumbing maintenance</li> <li>Carpentry maintenance</li> <li>Bricklayer</li> <li>Painting</li> <li>Fitter</li> <li>Masonry duties</li> <li>Welding Duties</li> <li>Roof Maintenance</li> <li>Land Surveying</li> </ol> <p><b>NB: Tenderers advised that copying the scope of works will reflect negatively on their score.</b></p>		20%

	1.2	<p>Contractor to provide list of machinery, equipment, and tools, and materials including quantities applicable to the scope of work, with datasheet.</p> <ul style="list-style-type: none"> <li>List of machinery, equipment, tools, and materials with quantities and datasheet submitted (12/12 equipment items) =<b>5 points</b></li> <li>List of machinery, equipment, tools, and materials with quantities and datasheet submitted but not complete (more than 8 equipment items) = <b>4 points</b></li> <li>List of machinery, equipment, tools, and materials submitted does not meet minimum requirements or not all items were provided (less than 8 equipment items) =<b>2 points</b></li> <li>List of machinery, equipment, tools, and materials not submitted= <b>0 points</b></li> </ul>	<p>As per Scope of work [15ENG GEN-1037] and</p> <p>NEC3 Contract</p> <p>Proof of ownership/signed letter of intent to hire the following equipment will be required:</p> <ol style="list-style-type: none"> <li>1. Diesel Powered Generator 5kv</li> <li>2. High pressure cleaner</li> <li>3. Schmidt hammer</li> <li>4. Drone services</li> <li>5. Compressors</li> <li>6. Rammer compactor</li> <li>7. Walk-behind vibrating Roller</li> <li>8. Concrete/cement mobile drum mixer</li> <li>9. Vibratory plate compactor</li> <li>10. Concrete vibrator/poker</li> <li>11. Concrete Cutter</li> <li>12. Electric jack hammer</li> </ol> <p>Where equipment will be hired, a signed hiring agreement or letter of intent to hire on the letter head of the leasing company must be submitted indicating all items to be hired.</p>		10%

1.3	<p>Contractor to provide CV of Professional (ECSA) Civil Engineer or Professional Civil Engineering Technologist applicable to the scope of work.</p> <ul style="list-style-type: none"> <li>Above 8 years' <b>post professional registration work</b> experience <b>(5 points)</b></li> <li>5 to 7 years' <b>post professional registration work</b> experience <b>(4 points)</b></li> <li>No submission or submission of not relevant experience <b>(0 points)</b></li> </ul>	<ol style="list-style-type: none"> <li>CV of the Civil Professional Engineer or Professional Civil Engineering Technologist.</li> <li>All relevant certificates' including ECSA certificate with registration number</li> </ol>	20%
1.4	<p>Contractor to provide CVs of specialised skills of plumber, Painter, Brick Layer, Carpenter, Fitter applicable to the scope of work.</p> <ul style="list-style-type: none"> <li>Above 5 years' relevant experience for all personnel with specialized skills <b>(5 points average score)</b></li> <li>3 to 4 years of relevant experience for 3 or more personnel with specialized skills. <b>(4 points average score)</b></li> <li>Less than 3 years of relevant experience for 3 or more personnel with specialized skills and/or submission for specialised skills is less than specified in the scope of works <b>(2 points average score)</b></li> <li>No submission or submission of not relevant experience <b>(0 points)</b></li> </ul>	<ol style="list-style-type: none"> <li>CV &amp; Qualifications with Trade Test of the specialised skills of Plumber, Painter, Brick Layer, Carpenter and Fitter</li> <li>Plumber is to be an active licensed plumber with the Plumbing Industry Registration Board (PIRB) or similarly recognised professional body. The plumber must have authority to issue a Certificate of Compliance (C.O.C)</li> <li>Proof of active professional registration for the Land Surveyor with the South African Geomatics Council (SAGC)</li> <li>Proof of active professional registration for the Quantity Surveyor with South African Council for the Quantity Surveying Profession (SACQSP)</li> </ol>	30%

	1.5	<p>Contractor to submit similar work experience of services conducted related to Civil Maintenance and/or similar works performed as per the scope of work provided <b>within the last 10 years</b>. List of verifiable references signed off by the clients serviced must be provided.</p> <ul style="list-style-type: none"> <li>• &gt;5 projects =5 points</li> <li>• 3-4 projects =4 points</li> <li>• 1-2 projects =2 points</li> <li>• 0 projects/ projects not relevant to scope of work =0 point</li> </ul>	<p>Demonstrate experience on similar projects. Provide signed reference letters or full project Completion Certificates for completed projects consisting of the following information:</p> <ul style="list-style-type: none"> <li>• Name of company where project was executed</li> <li>• Project Description</li> <li>• Construction period</li> <li>• Contract value</li> <li>• Contact person</li> </ul> <p><b>NB: Only completed projects will be considered. No practical/partial completion letters or purchase orders will be accepted</b></p>		20%
<b>2</b>	<b>General</b>			<b>20%</b>	
	2.1	<p>Contractor to submit Project schedule specifying activities and anticipated duration for preventative and corrective maintenance and call-out rates.</p> <ul style="list-style-type: none"> <li>• Program / project schedule submitted <b>=5 points</b></li> <li>• Program / project schedule submitted but not complete/ not detailed=<b>2 points</b>,</li> <li>• Program / project schedule <u>NOT</u> submitted or not relevant to scope of works=<b>0 points</b></li> </ul>	<p>Demonstrate how the tenderer intends on executing the project by specified target date by providing the following information for evaluation purposes:</p> <ul style="list-style-type: none"> <li>• High level programme with key milestones on how contractor intends on executing the works listed on Scope of works doc [15ENG GEN-1037].</li> </ul> <p><b>NB: The project schedule should be limited to the structural inspections</b></p>		50%
	2.2	<p>Contractor to submit project team organogram applicable to the scope of work.</p> <ul style="list-style-type: none"> <li>• Organogram of all key resources submitted <b>=5 points</b></li> <li>• Organogram submitted does not meet minimum key resources requirements=<b>2 points</b></li> </ul>	<p>Demonstrate how tenderer intends on executing the project by providing the following information for evaluation purposes:</p> <p>Provide project team organogram of key personnel of the main contractor. Organogram should include the key resources such as Project Manager, site personnel for maintenance activities and monitoring (i.e.,</p>		50%

		<ul style="list-style-type: none"> <li>Organogram of the key resources not submitted= <b>0 points</b></li> </ul>	<p>Project Planner, Engineers, Land Surveyor, Quantity Surveyor, Supervisors, Specialized Skills (Artisans), plumber, Painter, Brick Layer, Carpenter, Fitter, SHEQ team and as minimum.</p> <p>The Tenderer shall also demonstrate how tenderer's Sub-Contractor and suppliers shall interface with the project management team.</p> <p>Typical organogram shall include above with responsible person in each role</p> <p><b>Details required on organogram:</b></p> <ul style="list-style-type: none"> <li>- <b>Name of employee</b></li> <li>- <b>Designated role in the project</b></li> <li>- <b>Qualifications of employee</b></li> </ul>		
				<b>Total: 100</b>	
		<b>Threshold</b>		<b>70%</b>	

### 3.5 TET MEMBER RESPONSIBILITIES

**Table 6: TET Member Responsibilities**

<b>Mandatory Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>
1	x	x	x
<b>Qualitative Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>
1.1	x	x	x
1.2	x	x	x
1.3	x	x	x
1.4	x	x	x
1.5	x	x	x
2.1	x	x	x
2.2	x	x	x

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### 3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

#### 3.6.1 Risks

**Table 7: Acceptable Technical Risks**

Risk	Description
1.	None

**Table 8: Unacceptable Technical Risks**

Risk	Description
1.	Contractor not appointing a Civil Professional Engineer or Professional Civil Engineering Technologist
2.	Inability to execute the required works as per scope of work issued
3.	Contractor not registered with minimum required CIDB grading

#### 3.6.2 Exceptions / Conditions

**Table 9: Acceptable Technical Exceptions / Conditions**

Risk	Description
1.	Contractor proposing different maintenance techniques without compromising issued scope of work, quality and costs.

**Table 10: Unacceptable Technical Exceptions / Conditions**

Risk	Description
1.	Inability to execute the required works as per scope of work issued

### 4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
	Civil Engineering Manager
	Engineering Manager
	Senior Civil Engineer
	Senior Civil Technologist
	Civil Engineer

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5. REVISIONS

Date	Rev.	Compiler	Remarks
11 May 2022	0		Draft document issued for review
17 August 2023	1.0		Final Document
01 August 2024	2.0		Final Document with changes
12 June 2025	3.0		Updated Document for review with CFT
18 July 2025	4.0		Final document with additions

6. DEVELOPMENT TEAM

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7. ACKNOWLEDGEMENTS

- N/A

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