

	<b>Strategy</b>	<b>Engineering</b>
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## 1. INTRODUCTION

The ERIC (Eskom Research and Innovation Centre) campus comprises warehouse zones and multiple blocks with interlinking walkways. The blocks have flat concrete slab accessible roofs with water proofing. The ERIC Facility is located in Rosherville, Johannesburg South. This project aims to refurbish and replace certain sections of roofing which has deteriorated.

## 2. SUPPORTING CLAUSES

### 2.1 SCOPE

This document provides the tender technical evaluation strategy for the required works of the ERIC Roof Replacement and Refurbishment Project.

#### 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 the refurbishment and upgrade of the ERIC Roof Replacement and Refurbishment Project only.

### 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] ISO 9001 Quality Management Systems
- [3] 32-1034 Eskom Procurement Policy
- [4] 240-53716726: Tender Technical Evaluation Scoring Form Template

#### 2.2.2 Informative

- [5] 240-53113685: Design Review Procedure
- [6] 240-53114026: Project Engineering Change Management Procedure

### 2.3 DEFINITIONS

Definition	Description
Contractor/Tenderer	Refers to the corporation appointed to perform the engineering, procurement, and construction works required for the project.

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Employer	Refers to Eskom Holdings State Owned Company
Eskom Engineering	Refers to the Eskom Engineering team who will perform the reviews and provide technical assistance for the work performed by the appointed Contractor.
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 Eskom Real Estate 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
BOQ	Bill of Quantity
ECSA	Engineering Council of South Africa
EDWL	Engineering Design Work Lead
LDE	Lead Discipline Engineer
TET	Technical Evaluation Team
RFP	Request For Proposal

### 2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

Compiler	The document compiler is responsible for ensuring that this document is up-to-date and that this document is not a duplication of an existing documentation, regarding the Document's objectives and content.
Functional Responsibility	The Functional Responsible Person shall determine if the document is fit for purpose, before the document is submitted for authorisation.
Authoriser	The document authoriser is a duly delegated person with the responsibility to review the document for alignment to business strategy, policy, objectives and requirements. He/she shall authorise the release and application of the document.
Lead Discipline Engineers	Provide input to the technical tender evaluation strategy and associated engineering Activities

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## 2.6 PROCESS FOR MONITORING

The primary process for monitoring will be governed by Design Review Procedure (240-53113685), this entails assuring that the design achieves the requirements set out in this document. Any changes to this document will be performed as per Project Engineering Change Management Procedure (240-53114026).

## 2.7 RELATED/SUPPORTING DOCUMENTS

Please refer to Section 2.2.

## 3. TENDER TECHNICAL EVALAUTION STRATEGY

### 3.1 TECHNICAL EVALUATION THRESHOLD

Mandatory Technical Evaluation Criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted or point scored, but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

Qualitative Technical Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion. The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

Tenderers that achieve the 70% requirement will be required to submit lighting samples to Eskom as part of the negotiation's requirement. The criteria for the samples will be as per

The following scoring method will be used:

SCORE	PERCENTAGE (%)	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none"><li>Meet the technical requirement(s) AND,</li><li>No foreseen technical risk(s) in meeting technical requirements</li></ul>
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none"><li>Meet the technical requirement(s) with,</li><li>Acceptable technical risks AND/OR;</li><li>Acceptable exceptions AND/OR;</li><li>Acceptable conditions</li></ul>
2	40	NON-COMPLIANT <ul style="list-style-type: none"><li>Does not meet the technical requirement(s) AND/OR</li><li>Unacceptable technical risk(s) AND/OR;</li><li>Unacceptable exceptions AND/OR;</li><li>Unacceptable conditions</li></ul>
0	0	TOTALLY DEFICIENT/NON-RESPONSIVE

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## **3.2 TET MEMBERS**

**Table 1: TET Members**

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3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	The detailed designs/solutions provided must be carried out by Registered engineers or technologists with minimum 2 years' experience post registration. Contractor provides proof of ECSA Registration		a) Design liability.

## QUALITATIVE TECHNICAL EVALUATION CRITERIA

**Table 3: Qualitative Technical Evaluation Criteria**

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
<b>1.</b>	<b>Civil</b>		<b>60</b>	
	1.1 High-level method statement for the entire works clearly demonstrating compliance with the full scope of works (Design and Construction)			25
	1.2 CV's of the Design Engineer(s) Professionally registered with ECSA as an Engineer or Technologist. Showing design experience relevant to the project civil scope			20
	1.3 CV's of Key Construction resources (Construction Manager and Civil Foreman)			20
	1.4 Submit a detailed level 2 schedule for the works (design and construction phases).			10
	1.5 Tenderer provides evidence of completing a minimum of 3 similar projects (roofing installation and refurbishment works including drainage systems) completed projects in the last 10 years. References to include contact numbers of client, description of involvement in the project and the cost of the project as a minimum. Score: 0 (no acceptable similar projects) 2 (1 acceptable similar projects) 4 (2 acceptable similar projects) 5 (3 or more acceptable similar projects)			25
<b>2.</b>	<b>Project Management</b>		<b>40</b>	
	2.1 Tenderer to provide a proposed work plan, which includes: Project schedule / programme illustrating how the project implementation is planned to be undertaken. Provide a level 2 detailed schedule / programme to complete the construction work within acceptable timeframes	NEC Part 3 & Functional Specification		20
	2.2 Tenderer to submit a company profile with relevant experience of similar scope and budget Tenderer's experience in the Construction Industry of similar projects (structural steel, roof sheet installation and waterproofing work including drainage systems)	NEC Part 3 & Functional Specification		30



		Submit a Company Organogram - Indicate all resources allocated to this project. The resource plan is to be clear in the allocation of tasks and responsibility. The resource plan should relate to the project specific schedule in that the activities adopted should be supported by competent staff  In case the tenderer intends to subcontract, or form a joint venture, a letter of agreement, together with individual track records of each party involved is to be provided			
2.3		The tenderer must have a track record of three completed projects as a minimum; for construction and commissioning of similar projects with completion certificates.  Three (3) Reference letters from Clients both signed and stamped on work of a similar nature completed in past seven (7) years  Reference Letters from Clients to be signed and stamped (Referenced company stamp) by the referenced company. Reference letters for projects should not be older than seven (7) years. The references must be related to Roofing Works. The letter should contain contact details of the client, project name, value (Original Value and Final Account Value) and duration (the original contract duration and the actual project execution duration)	NEC Part 3 & Functional Specification		20
2.4		Tenderer to provide a detailed project-related method statement, and preliminary project site establishment method statement inclusive of lay-down area requirements  Site Access Plan - Provide a preliminary project specific site access plan taking into account the access roads into the ERIC site.	NEC Part 3 & Functional Specification		30

3.4 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	x	x		
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1.1 to 1.5	x	x		
2.1 to 2.4			x	x

X – Mandatory  
O - Optional

3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	Alternative solutions with the same or better performance

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Exclusions of scope specified in the employers requirements
2.	Unclear staff organogram. i.e. the staffing plan is weak not showing clarity in allocation of tasks and responsibilities
3.	Exclusion of a project specific schedule

3.5.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Accept deviation with technical qualification

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification not accepted

#### **4. AUTHORISATION**

This document has been seen and accepted by:

#### **5. REVISIONS**

#### **6. DEVELOPMENT TEAM**

#### **7. ACKNOWLEDGEMENTS**

N/A

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