

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

The EAL Hospitality department has embarked on the commercialisation of the existing accommodation blocks, however, the interior finishes have deteriorated and require upgrade. These accommodation blocks require internal refurbishment of the rooms and common areas

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

This document provides the tender technical evaluation strategy for the required works of the refurbishment / construction of Koeberg Accommodation Block at EAL

#### **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 required works of the refurbishment / construction of Koeberg Accommodation Block at Eskom Academy of Learning Project.

### **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

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## **2.3 DEFINITIONS**

<b>Definition</b>	<b>Description</b>
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
Eskom Plant 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 Properties 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**

<b>Abbreviation</b>	<b>Description</b>
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 EVALUATION 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 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%.

The following scoring method will be used:

<b>SCORE</b>	<b>PERCENTAGE (%)</b>	<b>DESCRIPTION</b>
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**

<b>TET number</b>	<b>TET Member Name</b>	<b>Designation</b>
TET 1		
TET 2		
TET 3		
TET 4		
TET 5		
TET 6		
<b>Optional Members:</b>		
<b>TET number</b>	<b>TET Member Name</b>	<b>Designation</b>
TET 7		

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### **3.3 MANADATORY TECHNICAL EVALUATION CRITERIA**

**Table 2: Mandatory Technical Evaluation Criteria**

	<b>Mandatory Technical Criteria Description</b>	<b>Reference to Technical Specification / Tender Returnable</b>	<b>Motivation for use of Criteria</b>
1.	The contractor provides proof registration with SACAP		a) Design liability.

### 3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

**Table 3: Qualitative Technical Evaluation Criteria**

	<b>Qualitative Technical Criteria Description</b>		<b>Reference to Technical Specification / Tender Returnable</b>	<b>Criteria Weighting (%)</b>	<b>Criteria Sub Weighting (%)</b>
<b>1.</b>	<b>Architectural</b>			<b>40</b>	
	<b>1.1</b>	Tenderer to indicate all resources allocated to this project in the form of an Organogram. The resource plan is to be clear in the allocation of tasks and responsibility [20]  The company Organogram should relate to this Koeberg Accommodation roof and interior refurbishment project, and the activities adopted should be supported by competent staff [10]	NEC Part 3 & Technical Specification		30
	<b>1.2</b>	Include CVs and Qualifications of the proposed resources. [10]  Proof of registration with SACAP [30]	NEC Part 3 & Technical Specification		40
	<b>1.3</b>	Submit minimum five (5) signed and stamped Reference Letters from Clients (Referenced company stamp) for completed Architectural Projects [20]  Reference letters for projects should not be older than seven (7) years. The references must be related to Architectural design works. The letters 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) [10]	NEC Part 3 & Technical Specification		30
<b>2.</b>	<b>Civil</b>			<b>30</b>	
	<b>2.1</b>	High-level method statement for the entire works clearly demonstrating compliance with the full scope of works (Design and Construction)			20
	<b>2.2</b>	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			30
	<b>2.3</b>	CV's of Key Construction resources (Construction Manager and Civil Foreman)			20



	2.4	Submit a detailed level 2 schedule for the works (design and construction phases).			10
	.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)			20
<b>3.</b>	<b>Electrical &amp; Lighting</b>			<b>20</b>	
	<b>3.1</b>	The tenderer must comply with the SANS 10142-1 (The Wiring of Premises - Part 1 & 2: Low-voltage Installations) and The Electrical Installation Regulation of the OHS Act, (Occupational Health and Safety Act, 1993 (Act 85 of 1993).	NEC Part 3 & Technical Specification		20
	<b>3.2</b>	Tenderer to provide copies of Electrical Contractors Association (ECA) certificates. The tenderer shall be listed with the Electrical Conformance Board of South Africa. Proof of verifiable registration or certification must be submitted.	NEC Part 3 & Technical Specification		10
	<b>3.3</b>	Earthing and lightning protection shall be done in accordance with the Earthing and Lightning Protection Standard (240-56356396). Earthing Contractor Company Profile & Key Technical Resources CV's (min 5yrs). The Tenderer provides Methods Statement	NEC Part 3 & Technical Specification		10
	<b>3.4</b>	High Level method statement for the entire electrical works, clearly demonstrating compliance with the full scope of works how will they execute and compliance with SANS 10142-1 (The Wiring of Premises - Part 1 & 2: Low-voltage Installations) and The Electrical Installation Regulation of the OHS Act, (Occupational Health and Safety Act, 1993 (Act 85 of 1993).	NEC Part 3 & Technical Specification		10
	<b>3.5</b>	CV's of the Design Engineer(s) Professionally registered with ECSA as an Engineer or Technologist. Showing design experience relevant to the project Electrical scope. Electrical Works Tenderer Profile & Key Technical Resources CV's (min 5yrs). Cable Works Tenderer Profile & Key Technical Resources CV's (min 5yrs).	NEC Part 3 & Technical Specification		10

	<b>3.6</b>	All work shall be executed and supervised by suitably qualified staff. Only “ACCREDITED PERSONS” shall be permitted to carry out and supervise work. The Installer and the Master electricians shall provide accreditation certification. Registered Electrician with Department of Labour (DoL) as Master Installation Electrician or Installation Electrician in terms of Electrical Installation Regulations in order to certify the electrical installation by issuing the Certificate of Compliance (CoC) on the modified installations.	NEC Part 3 & Technical Specification		10
	<b>3.7</b>	Provide CV’s of the Lighting Design Engineer registered with ECSA with previous completed Lighting Designs projects similar to this project.	NEC Part 3 & Technical Specification		10
	<b>3.8</b>	Provide Lighting Maintenance strategy and Guarantees	NEC Part 3 & Technical Specification		5
	<b>3.9</b>	Luminaire specifications as per the Lighting Engineer’s design in compliance with SANS 10114-1	NEC Part 3 & Technical Specification		5
	<b>3.10</b>	Electromagnetic interference performance	NEC Part 3 & Technical Specification		5
	<b>3.11</b>	Documentation to be submitted	NEC Part 3 & Technical Specification		5
<b>4.</b>	<b>Project Management</b>			<b>10</b>	
	<b>4.1</b>	Tenderer to provide a proposed work plan, which includes: Project schedule / programme illustrating how the project implementation is planned to be undertaken. Programme to be specific to the Koeberg Accommodation roof and interior refurbishment project [10] A programme to show the key activities with envisaged durations [4], indicate long lead items and interdependencies [6]	NEC Part 3 & Technical Specification		20
	<b>4.2</b>	Tenderer to submit a company profile with relevant experience in the Roofing Industry (Roof Installation projects) of similar scope and budget. 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 [10]	NEC Part 3 & Technical Specification		40

		<p>The tenderer must submit proof of five completed projects as a minimum; for roofing projects, and proof of five completed refurbishment projects - must include completion certificates. [5]</p> <p>Submit minimum four (4) signed and stamped Reference Letters from Clients (Referenced company stamp) – (Asbestos Removal Projects). [20] (5 points for each letter)</p> <p>Reference letters for projects should not be older than seven (7) years. The references must be related to Roof installation and Asbestos Handling works. The letters 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) [5]</p>			
	4.3	<p>Tenderer to provide a detailed roof refurbishment method statement – specific to the Removal of Asbestos Slates for Koeberg Accommodation Refurbishment Project, demonstrating an understanding of the Asbestos roof removal, and installation activities. [20]</p> <p>Provide detailed method statement for interior refurbishment [10]</p>	NEC Part 3 & Technical Specification		30
	4.4	<p>Provide preliminary project site establishment method statement inclusive of lay-down area requirements – specific to the EAL Koeberg Accommodation roof and interior refurbishment project. [5]</p> <p>Provide Site Access Plan - Provide a preliminary project specific site access plan considering the access roads into the EAL Koeberg Accommodation site, and to all other areas around Koeberg Accommodation area. [5]</p>	NEC Part 3 & Technical Specification		10
				<b>TOTAL: 100</b>	

### 3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6	TET 7
1	X						
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6	TET 7
1	X						
2		X	X				
3					X	X	
4				X			X

X – Mandatory  
O - Optional

### **3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS**

#### **3.6.1 Risks**

**Table 5: Acceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
1.	Alternative solutions with the same or better performance

**Table 6: Unacceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
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

#### **3.6.2 Exceptions / Conditions**

**Table 7: Acceptable Technical Exceptions / Conditions**

<b>Risk</b>	<b>Description</b>
1.	Accept deviation with technical qualification

**Table 8: Unacceptable Technical Exceptions / Conditions**

<b>Risk</b>	<b>Description</b>
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