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1. INTRODUCTION

The Eskom Academy of Learning (EAL) was built on 105 hectares of land and surrounded by a 3.9km radius High Security Mesh Fence perimeter. There are 39 buildings on site, which cater for diverse business operations specialising in among others, training and development, conferencing, hospitality, Information and Communication Technology, accommodation, and business office environment. There are approximately 3000 employees (permanent & contractors) on site. A roof project was established for the roof at the Kendal Accommodation block as well as the roof at the Leadership Development Centre (LDC) Complex.

It was identified that the Roof slates at Kendal are covered with fibre-cement slates which are asbestos-containing. These slates are also leaking, which lead to further damages to inside the buildings. At LDC an inspection was conducted, during which it was observed that various works are required.

To maintain the integrity of the existing buildings and infrastructure on site, it is prudent to refurbish and upgrade the roofing infrastructure and to install the latest technologies to effectively manage the daily operations of the site. This document provides the technical specifications related to the replacement, design and rebuild of the affected structure which are to be performed by the *Contractor*.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document provides the tender technical evaluation strategy for the required works of the Eskom Academy of Learning Refurbishment of the LDC Roof and Kendal Replacement and related / affected infrastructure 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 Eskom Academy of Learning Refurbishment of the LDC and Kendal Roof Replacement and related / affected infrastructure 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

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[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.
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

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

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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

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:

SCORE	PERCENTAGE (%)	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none">Meet the technical requirement(s) AND,No foreseen technical risk(s) in meeting technical requirements
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none">Meet the technical requirement(s) with,Acceptable technical risks AND/OR;Acceptable exceptions AND/OR;Acceptable conditions
2	40	NON-COMPLIANT

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		<ul style="list-style-type: none"> • 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

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Byron Thomas	Civil and Structural Engineer
TET 2	Kameel Burath	Civil and Structural Engineer
TET 3	Palesa Moleko	Project Management
Optional Members:		
TET number	TET Member Name	Designation
TET 4	Lebogang Khumalo	Project Management

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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.

3.4 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 (%)
1.	Civil			60	
	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
2.	Project Management			40	
	3.1	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 LDC roof refurbishment project [10] A programme to show the key activities with envisaged durations, indicate long lead items and interdependencies [10]	NEC Part 3 & Functional Specification		20
	3.2	Tenderer to indicate all resources allocated to this project. The resource plan is to be clear in the allocation of tasks and responsibility - Submit a company Organogram. The company Organogram should relate to this LDC Roofing project, and the activities adopted should be supported by competent staff. [10] Include CVs and Qualifications of the proposed resources. [10]	NEC Part 3 & Functional Specification		20

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	3.3	<p>Tenderer to submit a company profile with relevant experience in the Roofing Industry (Roof Refurbishment projects) of similar scope and budget.</p> <p>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]</p> <p>The tenderer must submit proof of five completed projects as a minimum; for roofing projects – must include completion certificates. [10]</p> <p>Submit minimum three (3) signed and stamped Reference Letters from Clients (Referenced company stamp). Reference letters for projects should not be older than seven (7) years. The references must be related to Roof installation 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]</p>	NEC Part 3 & Functional Specification		30
	3.4	<p>Tenderer to provide a detailed roof refurbishment method statement – specific to the LDC Roof Replacement Project, demonstrating an understanding of the roof removal, and installation activities. [10]</p> <p>Provide preliminary project site establishment method statement inclusive of lay-down area requirements – specific to the EAL LDC Project [10]</p> <p>Provide Site Access Plan - Provide a preliminary project specific site access plan considering the access roads into the EAL LDC site, and to all other areas around LDC area. [10]</p>	NEC Part 3 & Functional Specification		30
				TOTAL: 100	

3.5 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

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 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

3.6.2 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:

Name	Designation	Signature
Byron Thomas	Engineer	<i>BW Thomas</i>
Kameel Burath	Engineer	<i>KBurath</i>
Palesa Moleko	Project Manager	<i>P Moleko</i>
Lebogang Khumalo	Project Manager	<i>L Khumalo</i>

5. REVISIONS

Date	Rev.	Compiler	Remarks
August 2021	0.1	BW Thomas	Draft for review
April 2022	1.0	BW Thomas	Final

6. DEVELOPMENT TEAM

- Byron Thomas
- Palesa Moleko

7. ACKNOWLEDGEMENTS

N/A

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