

	Strategy	Engineering
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1. INTRODUCTION

This document sets out the method and criteria that will be used to evaluate the tenders for the project scope: Installation of Additional Lights Project.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document is to capture the technical tender evaluation strategy for the project scope: Installation of Additional Lights Project. The scope of the project is supply, deliver, and install and conduct survey to ensure sufficient lighting in the area for high must lights in the following areas.

- SDD
- ADDD
- HRD
- Raw Water Dam
- SDD Oil Separators

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 applies to Kusile 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] 240-48929482: Tender Technical Evaluation Procedure

2.2.2 Informative

- [2] KUS-20240622 Kusile Power Station Scope of Work Installation of Additional Lights project

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2.3 DEFINITIONS

Definition	Description
Contractor/Tenderer	Refers to the corporation appointed to perform the services required for the project.
Employer	Refers to Eskom Holdings State Owned Company
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

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
ADDD	Ash Dump Dirty Dam
CV	Curriculum Vitae
HRD	Holding Recycling Dam
N/A	Not Applicable
SDD	Station Dirty Dam
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

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

2.6 PROCESS FOR MONITORING

Any changes to this document will be performed as per Project Engineering Change Management Procedure (240-53114026).

2.7 RELATED/SUPPORTING DOCUMENTS

None.

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3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

To be eligible for evaluation, the tenderer shall meet all the mandatory requirements. The evaluation of tenders will be based on the tenderer's ability to meet the requirements specified in the Scope of Work – The Installation of additional lights at Kusile Power Station. A weighted score card approach will be used to evaluate the technical compliance of the tenders against the Employer's requirements. Tenderers need to have a weighted score of 70% overall or more to technically qualify for further evaluation.

The evaluation scores will be weighted as follows according to disciplines:

Table 1 - Evaluation Weighting

Technical (100%)	
Professional Services	100%
TOTAL (100%)	
Overall minimum threshold for qualification (70%)	

3.2 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

3.3 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1: Electrical Engineering	Vely Sondezi	Electrical Engineer
TET 2: Civil Engineering	Freeman Mnisi	Civil Engineer
TET 3: Electrical Maintenance	Buti Makunyane	Electrical Senior Technician

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3.4 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	<p>Relevant experience/ (track record):</p> <p>The tenderer submits a list of traceable references or completion certificates that adequately prove that the tenderer has completed at least two (2) or more contracts successfully in the last five (5) years covering the scope below:</p> <ul style="list-style-type: none"> Construct, and commission outdoor Structures. Electrical Installations including cabling and lights. <p>a) Submit experience of previous lighting projects/maintenance.</p> <p>b) COC's issued for lighting installations including Ex areas.</p> <p>c) Accreditation by the ECA or ECB; DOL registration as Electrical contractor for ALL electrical installations.</p> <p>d) CIDB Grading 7 EP or higher grading.</p>	<p>a) Certificate/s or traceable reference (Eskom POs or from other companies for lighting projects)</p> <p>b) At least 3 COCs issued under the company name.</p> <p>c) Accreditation certificates</p>	Contractor with no relevant prior experience on projects of sufficient scale is an unacceptable risk.
2.	<p>a. The tenderer submits a letter of compliance.</p> <p>b. for the entire scope of Works, with no exclusions</p>	Letter of compliance for the entire Scope of Works to be provided	Full compliance to the Scope of Works

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	
				100%		
1.	Professional Services Scope					
	1.1	Comprehension of scope 1. The tenderer to submit typical construction/installation method statements for the project scope: a) The Method Statements shall clearly provide details of the design, construction, and installation approach to be adopted for the project works. b) The method statements shall clearly indicate a quality assurance process/approach to be undertaken throughout the project activities. c) Method statements must cover the following: i. Supply and Delivery of: ▪ High mast light structure and DB ▪ Cables ▪ Light sources (LED) ▪ Concrete material ii. Transportation and handling: ▪ Concrete rings ▪ High Mast structures ▪ Cables and LED handling plan.	Construction & Installation Method Statements		30%	0% = No Submission 15% = Delivery methodology described with some understanding of the Scope of Work. 30% = Delivery methodology described in detail showing full understanding of the Scope of Work.

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		<p>iii. Minimum high-level requirements to be covered in the method statements:</p> <ul style="list-style-type: none"> ▪ Typical design approach ▪ Typical installation method ▪ Typical Quality Control Plan 				
		<p>1. Quality Control Plans for the Project</p> <p>a) Signed QCPs from previous Scopes.</p> <p>b) QCP for submitted Scope of this project</p>	Quality Control Plans		10%	<p>0% = No Submission</p> <p>5% = No signed QCP but submitted</p> <p>10% = Signed QCP but a new QCP for this project.</p>
	1.2	<p>Organogram & Staffing</p> <p>The Tenderer to submit the organisational structure of key personnel of the main Contractor and his Subcontractors:</p> <ul style="list-style-type: none"> ▪ In case of an association/joint venture/consortium, it should be indicated how the duties and responsibilities are to be shared. If the tenderer intends on making use of the services of a Subcontractor/s for sections of the scope, the delegation of duties and responsibilities should be clearly indicated. <p>The minimum required key resources shall include the following:</p> <ul style="list-style-type: none"> ▪ Structural or Civil Engineer/Technologist professionally registered with ECSA. ▪ Electrical Engineer/ Technologist – professionally registered with ECSA. ▪ Professional landscape technician ▪ Site Agent/Foreman ▪ Master Installation Electrician <p><i>The tenderer notes the following: An organogram is only considered valid if a CV is provided for all resources.</i></p>	Project organogram		20%	<p>0% = No or Not all Submission</p> <p>20% = All Submissions</p>

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1.3	<p>Experience of key project staff</p> <p>The tenderer demonstrates the level of relevant and related design and construction experience, of the key project resources. CVs, relevant qualifications, and professional registration certificates of key personnel to be submitted as part of the tender submission. The tenderer also demonstrates that each of the key project resources have a minimum of two (2) years working experience in related projects or projects of similar scope.</p> <p>a. The minimum required key resources shall include the following:</p> <ul style="list-style-type: none"> i. Structural or Civil Engineer/Technologist – professionally registered with ECSA. ii. Electrical Engineer/ Technologist - professionally registered with ECSA. iii. Professional Landscape Technician iv. Site Agent/Foreman 	<ul style="list-style-type: none"> • CVs of key resources – tenderer demonstrates level of related design and construction experience. • Relevant qualifications of key resources • Professional registration certificates of engineers/technologists/technician 		30%	<p>30% = CV's, relevant qualifications, and professional registration certificates of all 4 key resources submitted. Project resources have vast design and construction experience in related projects. Work experience in related fields is 2 years and more.</p> <p>20% = CV's, relevant qualifications, and certificates of 2 - 3 resources submitted. Project resources have sufficient - vast design and construction experience in related projects. Work experience in related fields is 2 years and more.</p> <p>10% = CV's, relevant qualifications, and certificates of 1 key resource submitted. Resource has sufficient- vast design/construction experience in related projects. Work experience in related fields is 1- 2 years.</p> <p>0% = No submissions</p>
1.4	<p>Technical Submissions</p> <ul style="list-style-type: none"> a) Technical datasheets for the light fittings offered. b) Warranty Certificates 	<ul style="list-style-type: none"> • Datasheets for LED Lights to be used. • Installation Warranty 		10%	<p>0% = No Submission of either two</p> <p>5% = Submission of either of the two.</p> <p>10% = For both submissions</p>
			TOTAL:	100%	

3.6 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

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Mandatory Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3
1.1	X	X	X
1.2	X	X	X
1.3	X	X	X
1.4	X	X	X

3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Risks

Risk	Description
1.	<ul style="list-style-type: none">▪ Exclusion of Professional Registration Certificates of key personnel allocated to perform the specified services.▪ Exclusion of proof/record of completed projects of similar scope with traceable references.▪ Exclusion of proof of CIDB Grading 7 EP▪ Exclusion of proof of issued COCs under the company name.▪ Exclusion of existing Installation methodology for this project

3.7.2 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
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5. REVISIONS

Date	Rev.	Compiler	Remarks
September 2024	1	VA Sondezi	First Issue

6. DEVELOPMENT TEAM

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

- Collin Lepee
- Keoagile Kgaladi
- Buti Makunyane
- Freeman Mnisi

7. ACKNOWLEDGEMENTS

N/A

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