

Title: **Medupi Power Station Tender
Technical Evaluation Strategy
for Lighting & Small Power
Spares Supply Contract for 5
years.**

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1. INTRODUCTION

Medupi Power Station is designed to be a highly efficient and effective coal fired power station in supplying power to the South African National Grid. This should be maintained by ensuring that the plant power output is not negatively impacted by unavailability, inefficiency and unreliability of certain plant equipment or components. The power station is designed to allow UCLF capped at 2% and this can be achieved by ensuring that the time spent on maintenance is minimized. One of the ways to minimize the maintenance downtime is availability of necessary equipment or component maintenance spares.

This document provides an overview of Eskom's technical evaluation criteria to be used when evaluating the tender submissions for the supply of Lighting & Small power spares at Medupi Power Station for the period of five years. The document provides annexures developed to address various aspects required to perform technical evaluations.

2. SUPPORTING CLAUSES

2.1 SCOPE

The document describes the acceptable and unacceptable risks and qualifications and /or conditions. The Tender Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation criteria
- Qualitative Evaluation criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

No changes will be permitted to be made to the evaluation criteria once the Technical Evaluation Strategy is approved by the relevant Electrical Engineering Manager.

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 shall apply to Medupi Power Station Lighting& Small Power Spares Supply 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] 32-1034: Eskom Procurement Policy
- [3] 240-90233929: Medupi Power Station Lighting and Small Power Spares Strategy.
- [4] 240-55714363: Eskom Generation Power Station Lighting and Small Power Installation standard.
- [5] SANS 60598-1 Luminaires Part 1: General requirements and tests.

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2.2.2 Informative

- [6] ISO 9001:Quality management systems
- [7] ISO 14001: Environmental Management systems
- [8] 474-59: Internal Audit Procedure

2.3 DEFINITIONS

Definition	Description
Enquiry	A competitive or non-competitive request for information, interest, quotations or proposals made to a supplier, a group of suppliers or the market at large.
Local	Within the borders of the Republic of South Africa
Tender	A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
BOM	Bill Of Material
UCLF	Unplanned Capability Loss Factor
SANS	South African National Standards
SABS	South African Bureau of Standards
LED	Light-emitting diode
TET	Tender Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

This procedure shall be monitored by 474-59: Internal Audit Procedure

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

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3. TENDER TECHNICAL EVALUATION STRATEGY

This section details the methodology to be employed by Eskom in scoring the “Technical” category of the tender evaluation. This evaluation exercise is performed by the appointed Eskom TET.

The evaluation of the tenders will be based on the tenderer’s ability to meet the technical requirements. The evaluation consists of mandatory criteria and qualitative criteria. Results of mandatory evaluation will be “Compliant” or “Non-Compliant.”

The qualitative evaluation shall apply a weighted score card approach to evaluate the tenders against the specifications and Employer’s requirements. The score card below will be used.

Table 1: Qualitative Evaluation Criteria Scoring Table

SCORE	%	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none">Meet 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 technical requirement(s) with; Acceptable technical risk(s) AND/OR;Acceptable exceptions AND/OR;Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none">Does not meet technical requirement(s) AND/OR;Unacceptable technical risk(s) AND/OR;Unacceptable exceptions AND/OR;Unacceptable conditions.
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE

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

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1	Mbavhalelo Mukwevho	System Engineer
TET 2	Ivy Mosese	Acting Senior Technologist
TET 3	Mokgadi Seabela	Senior Technician Electrical

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

All tenders will need to pass the mandatory section, the mandatory evaluation will be on a YES/NO basis as to whether the criteria are met or not. An assessment of “NO” against criteria will immediately disqualify the submission and no further assessment will be made. Refer to **Table 3** for mandatory requirements.

Table 3: Mandatory Technical Evaluation Criteria

Criteria Ref #	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Proof of compliance to the SANS 60598-1 for luminaire. Provide declaration that all supplied luminaires are compliant to SANS 60598-1	Yes, show the Proof of certificate for SABS certification with a letter. No- No response or declaration not provided for all luminaires.	Compliance with SANS 60598-1 is typically required by regulatory authorities or industry standards bodies to ensure that luminaires meet certain safety and performance standards, providing assurance to consumers and users regarding the quality and reliability of lighting products specified on document no.: 240-55714363: Eskom Generation Power Station Lighting and Small Power Installation standard.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Tenders who pass through the mandatory criteria shall then proceed to the qualitative evaluation. These sections shall be sub-divided into the following section with assigned weight/percentage as per **Table 4** below.

Table 4: Qualitative Evaluation Criteria

Technical (100%)	
1. Delivery lead-time	25%
2. Provide traceable references	25%
3. Guarantees	50%
TOTAL (100%)	
Overall minimum threshold for qualification (70%)	

Table 5: Qualitative Technical Evaluation Criteria

Criteria Ref #	Description	Weighting (%)	Sub-Weighting (%)	Reference to Technical Specification /Tender Returnable	Scoring Criteria										
1	Delivery lead-time	25%	1.1	<p>The Tenderer shall supply and deliver the product to the consumer through all stages of the procurement process.</p> <p>This, lead time, includes:</p> <p>a) Number of days to deliver the product. b) Reliability of transportation / logistics c) Deliver quality product with the correct quantities. d) Lead times.</p> <p>Provide for each luminaire on BOM</p> <p>The scoring shall be as follows: Lead times (Days):</p> <table><tr><td>Score</td><td>0</td><td>2</td><td>4</td><td>5</td></tr><tr><td>Days</td><td>avg of 40% of the spares to be delivered within=>61days</td><td>avg of 60% of spares to be delivered within 60 days</td><td>avg of 80% of spares to be delivered within 30 days</td><td>avg of 100% spares to be delivered within 14 days</td></tr></table>	Score	0	2	4	5	Days	avg of 40% of the spares to be delivered within=>61days	avg of 60% of spares to be delivered within 60 days	avg of 80% of spares to be delivered within 30 days	avg of 100% spares to be delivered within 14 days	100%
Score	0	2	4	5											
Days	avg of 40% of the spares to be delivered within=>61days	avg of 60% of spares to be delivered within 60 days	avg of 80% of spares to be delivered within 30 days	avg of 100% spares to be delivered within 14 days											
2	Provide traceable references	25%	2.1	<p>The Tenderer submits a list of traceable references which adequately proves that the tenderer has at least supplied lighting & Small Power Spares in the last five (5) years.</p> <p>This includes:</p> <p>1. Company Name Contact person</p> <p>a. Designation of the contact person and Contact details.</p> <p>The scoring shall be as follows:</p>	100%										

				<div>References Submitted:</div> <table><tr><td>Score</td><td>0</td><td>2</td><td>4</td><td>5</td></tr><tr><td>References</td><td>=<1</td><td>2</td><td>4</td><td>>5</td></tr></table>	Score	0	2	4	5	References	=<1	2	4	>5	
Score	0	2	4	5											
References	=<1	2	4	>5											
3	Guarantee	50%	3.1	<div>The Tenderer shall provide proof of guarantee of luminaires to be provided with Product information sheet/datasheet/technical specification. This, guarantee, includes: a) LED modules (minimum) hours The scoring shall be as follows: Guarantee (hours):</div> <table><tr><td>Score</td><td>0</td><td>2</td><td>4</td><td>5</td></tr><tr><td>hours</td><td>=< avg of 9999</td><td>Avg of 10 000</td><td>Avg of 20 000</td><td>Avg of 30 000</td></tr></table>	Score	0	2	4	5	hours	=< avg of 9999	Avg of 10 000	Avg of 20 000	Avg of 30 000	100%
Score	0	2	4	5											
hours	=< avg of 9999	Avg of 10 000	Avg of 20 000	Avg of 30 000											

3.5 TET MEMBER RESPONSIBILITIES

Table 6: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
Proof of compliance SANS standard	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3
Delivery timelines	X	X	X

Provide traceable references	X	X	X
Guarantees	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 7: Acceptable Technical Risks

Risk	Description
1.	Inviting Supplier/s with no relevant experience on specific equipment's

Table 8: Unacceptable Technical Risks

Risk	Description
1.	Mandatory criteria not evaluated and/or satisfied.

3.6.2 Exceptions / Conditions

Table 9: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Declining to provide technical details accurately deemed intellectual property.

Table 10: 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
Pontsho Letsholonyane	Manager Contacts Management
Lebo Pebane	Manager - Materials Management
Pieter van der Westhuizen	Officer Procurement

5. REVISIONS

Date	Rev.	Compiler	Remarks
January 2025	1	M Mukwevho	New document

6. DEVELOPMENT TEAM

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

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7. ACKNOWLEDGEMENTS

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