Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation for Slurry Plant Low Voltage Switchgear Upgrade at Matla Power Station**

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Compiled by	Functional Responsibility	Authorised by
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Date: 25/11/2025	Date: 01/12/2025	Date: 04/12/2025

CONTENTS

TABLES

1. INTRODUCTION

This document presents the Technical Evaluation Strategy for the evaluation of the tenders for the Slurry Plant Low Voltage Switchgear Upgrade for Matla Power Station. This strategy considers key aspects that will give direction to the technical evaluation process.

This strategy has been aligned to the requirements of the Tender Engineering Evaluation Procedure [1].

Refer to the Tender Engineering Evaluation Procedure [1] for a more detailed explanation of the evaluation process that is followed within Eskom.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the tender evaluation strategy that will be adopted by all Technical Evaluation Team (TET) members when performing technical evaluations for the project. This document also lists the various technical areas of the Employer's Requirements [2] in which the evaluation process is distributed.

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

Applicable to Matla Power station Slurry Plant Low Voltage (LV) Switchgear Upgrade Scope of work.

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] 373-MAT--ADDB-D00180-16: Matla Power Station Slurry Plant Low Voltage Switchgear Upgrade Works Information

2.2.2 Informative

2.3 DEFINITIONS

None

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
BPS	Boiler Protection System
C&I	Control and Instrumentation
CoE	Centre of Excellence
DOL	Department Of Labour
GCD	Group Capital Division
HMI	Human Machine Interface
HVAC	Heating Ventilation and Air Conditioning
IEC	International Electrotechnical Commission
LCC	Life Cycle Costing
LDE	Lead Discipline Engineer
LV	Low Voltage
MR	Mandatory Requirement
OEM	Original Equipment Manufacturer
OPC	Object Linking and Embedding for Process Control
PDS	Plant Data System
PIS	Plant Information System
PS	Power Station
RFP	Request for Proposal
SIL	Safety Integrity Level
TA	Technical Area
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team
QC	Quality Control
QCP	Quality Control Plan
RSA	Republic of South Africa

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

Tender Technical Evaluation Scoring Form

3. TENDER TECHNICAL EVALUATION STRATEGY

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 1: TET Members

TET number	TET Member Name	Designation
TET 1	Johan Veldman	Senior Engineer Electrical
TET 2	Thanduxolo Mhlongo	Electrical Engineer
TET 3		
TET 4		

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 2 below identifies the requirements for the mandatory evaluation. These requirements are "must meet" criteria. They are assessed on a "yes/no" basis. An assessment of "no" against a criterion shall technically disqualify the tenderer.

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	**Reference to Technical Specification / Tender Returnable**	**Motivation for use of Criteria**
1.	CIDB Rating: Grade 7 EP (Minimum)	Provide valid proof and up to date CIDB grading	The work is classified as construction work as per the construction regulations.
2.	Professional Engineer who will sign off the design and installation once commissioned and completed. ECSA Registered Engineer/Technologist for Electrical	Submit One (1) CV with Certified ECSA registration Certificate: Electrical Engineering with ECSA registration Certificates	The LV Switchgear as per scope requirements is to be designed and signed off by a ECSA registered Engineer/Technologist

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

These are weighted evaluation criteria and are used to identify the highest technically ranked tenderer. The weighting reflects the relevant importance of each criterion.

As per the Tender Engineering Evaluation Procedure [1], the minimum weighted final score (threshold) required for a tenderer to be considered from a technical perspective is 70%.

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Scoring				
	Levels of Criteria						
1.	**Technical (20%)**		%	0	40	80	100
	Traceable Evidence of Projects Completed	At least (1-3) Similar Projects/ Contracts that have been completed, involving retrofitting and commissioning of LV Switchgear and control gear assemblies' outgoing functional units (feeders) and Electrical Switchgear Protection Schemes.	100	None Provided	One Project with proof of completion-completion certificates, contact person at the company where the work was carried out.	Two Projects with proof of completion-completion certificates, contact person at the company where the work was carried out.	Three Projects with proof of completion-completion certificates, contact person at the company where the work was carried out.
2.	**Resources (30%)**		%	0	40	80	100
	Electrical Engineer years Experience in LV Switchgear.	Submit One CV with Proof of Qualification. The qualifications and certificates must be certified and have LV switchgear design, installation, maintenance, and commission experience [1] BSc Eng or B-Tech in Electrical Engineering [2] LV Switchgear Experience	50	Nonresponsive or No qualification and experience <2 years	CV detailing experience with qualification and meeting Criteria 1&2 with 1 to <2 years' experience in LV Switchgear	CV detailing experience and qualification and meeting Criteria 1&2 with 2 to <4 years' experience in LV Switchgear.	CV detailing experience and qualification and meeting Criteria 1&2 with ≥ 4 years' experience in LV Switchgear.

	Master Installation Electrician (MIE) registered with the DOL' experience	Submit One CV and Proof of accreditation certification. The qualifications and certificates must be certified.	20	Nonresponsive or No qualification or experience <2 years	CV detailing experience and qualification with 1 to <2 years' experience.	CV detailing experience and qualification with 2 to <4 years' experience.	CV detailing experience and qualification with ≥ 4 years' experience.
	Quality inspector/Engineer (QC) - Must have QC Certification and experience.	Submit One CV and proof of qualifications. The qualifications and certificates must be certified and valid within 3 months.	10	Nonresponsive or No qualification or experience <2 years	CV detailing experience and qualification with 1 to <2 years' experience.	CV detailing experience and qualification with 2 to <4 years' experience.	CV detailing experience and qualification with ≥ 4 years' experience.
	Site Manager - To be in possession of Minimum National Diploma (Engineering) or Grade 12 with supervisory/project management certification (NQF level 6) AND experience.	Submit One CV and proof of qualifications. The qualifications and certificates must be certified.	10	No qualification and CV detailing experience provided	CV detailing experience and qualification with 1 to <2 years' experience	CV detailing experience and qualification with 2 to <4 years' experience.	CV detailing experience and qualification with ≥ 4 years' experience
	Safety Officer **With SAMTRAC certificate and Incident Investigation training.**	Submit One CV and proof of qualifications, SAMTRAC certificate, incident investigation training. The qualifications and certificates must be certified. The CV must meet the below criteria: [1] Grade 12 plus SAMTRAC Experience [2] Incident Investigation Training	10	Non-Responsive or No certificates attached or does not meet criteria 1	CV Submitted meets Criteria 1 with 2 to <4 years' experience as a Safety Officer	CV Submitted meets Criteria 1 & 2 with 2 to <4 years' experience as a Safety Officer	CV Submitted meets criteria 1 & 2 with ≥ 4 years' experience as a Safety Officer

3.	**Methodologies (50%)**		%	0	40	80	100
	Submit a detailed method statement on how the tasks will be executed. For the ELECTRICAL SYSTEM. The list is in chronological order because of the order of importance	Submit method statement on how the works will be executed covering the below different topics: 1. Change-over methodology **Section 4 of the scope of work** **(30 points)** 2. Proposed Design of switchgear functional units and protection scheme. **(30 points)** 3. Installation and commissioning methodology. **(20 points)** 4. Ensure internal arc compliance by way of mitigation **(20 points)**	100	Nonresponsive or scored **less than 50 points**	Method Statement Scored between **50** to **60** points	Method Statement Scored between **70** to **80** points	Method Statement Scored **100** points

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X		
2	X	X		
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**
1.Technical	X	X		
2. Resources	X	X		
3. Methodologies	X	X		

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

From the lessons learnt and past experience gained on other Eskom projects, the following tables have been populated regarding the acceptable/unacceptable risks/exceptions/conditions. it should however be noted, that due to the technical nature of the project certain exceptions/risks are only identified during tender evaluation and can only be addressed then.

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	Contractor/ Tenderer that has not supplied previously to Eskom.
2.	

Table 6: Unacceptable Technical Risks

Risk	Description
1.	As per the mandatory requirements, set forth above.
2.	

3.6.2 Exceptions / Conditions

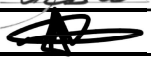
Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	

Table 8: Unacceptable Technical Exceptions / Conditions

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Nkosinathi Maseko	Electrical Engineering Manager	
Lindokuhle Ngobese	Engineering Manager	 04/12/2025

5. REVISIONS

Date	Rev.	Compiler	Remarks
24 November 2025	0	J Veldman	Original document

6. DEVELOPMENT TEAM

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

- Johan Veldman

7. ACKNOWLEDGEMENTS

None