

Title: **Tender technical evaluation strategy for the identification of the connection point and parking bays for the EV project pilot phase at Matimba Power**

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1. INTRODUCTION

Insert text here. Eskom Generation (Gx) has initiated a project to replace its Internal Combustion Engine (ICE) fleet of vehicles with Electric Vehicles (EVs). The project objective is to achieve a more sustainable and environmentally friendly transportation system by reducing Eskom's vehicles CO₂ emissions contribution without compromising the respective vehicle requirements. This is planned to be achieved by transitioning from ICE vehicles to EVs and installing charging infrastructure at Gx Power Stations to support the transition.

Matimba Power Station is one of the sites chosen for the pilot phase of the project and required to provide a connection point for a charger and identification of parking bays for the charging station.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document is to define the technical tender evaluation strategy for the supply, delivery and installation of EV charging infrastructure, as well as the construction of the associated parking bays at Matimba Power Station. The scope includes the EV charging infrastructure, associated power supply systems, and civil works. Tenders will be evaluated against mandatory and qualitative criteria. Once approved, no changes may be made to the evaluation criteria.

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 Matimba 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] 240-168966153: Generation Tender Technical Evaluation Procedure
- [2] Occupational Health and Safety Act, 85 of 1993
- [3] ISO 9001:2008: Quality management systems
- [4] 240-56227443 Generation Requirements for Control and Power Cables for Power Stations Standard
- [5] 32-1033: Eskom Procurement and Supply Chain Management Policy
- [6] 32-1034: Eskom Procurement and Supply Chain Management Procedure
- [7] 240-53716726: Tender Technical Evaluation Scoring Form

2.2.2 Informative

- [8] RT/170/006 Required Operational Capability for Matimba Power Station Electric Vehicle Project

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- [9] RT/170/007 Engineering Change Root Cause Analysis for Matimba Power Station Electric Vehicle Project Report
- [10] RT/174/004 Stakeholder Requirements Definition for Matimba Power Station Electric Vehicle Project
- [11] RT/174/003 Concept Design Report for the Identification of the Connection Point and Parking Bays for the EV Project Pilot Phase at Matimba Power Station
- [12] SP/174/003 The identification of the connection point and parking bays for the EV project pilot phase at Matimba Power Station Technical Specification
- [13] 240-51017652: Guideline for Technical Assurance

2.3 DEFINITIONS

Definition	Description
Battery Electric Vehicles	Vehicles that run solely on electricity and rely on rechargeable batteries for power with zero emissions.
Charging Infrastructure	A system of charging stations or facilities to recharge electric vehicles
Electric Vehicles	Vehicles that use electricity as a source of power and electric motors for moving.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
A	Ampere
BEng	Bachelor of Engineering
BSc	Bachelor of Science
CE	Civil Engineering
CIDB	Construction Industry Development Board
CO ₂	Carbon Dioxide
CoC	Certificate of Compliance
CV	Curriculum Vitae
ECSA	Engineering Council of South Africa
EV	Electric Vehicle
GB	General Building
Gx	Generation Business
ICE	Internal Combustion Engine

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Abbreviation	Description
ISO	International Organization for Standardization
KKS	Kraftwerk-Kennzeichen System
LED	Light Emitting Diode
LV	Low Voltage
MCCB	Moulded Case Circuit Breaker
PDF	Portable Document Format
PVC	Polyvinyl Chloride
QA	Quality Assurance
QC	Quality Control
ROC	Required Operational Capability
SACPCMP	South African Council for the Project and Construction Management Professions.
SRD	Stakeholders Requirements Definition
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

Roles and responsibilities shall be as per 240-168966153: Generation Tender Technical Evaluation Procedure summarised below:

Responsible person: Responsible for the technical evaluation process.

Technical Evaluation Team (TET) member: The delegated technical representatives/end users/engineers/technical specialists who are responsible to review and evaluate technical aspects of the tender documentation as per the Tender Technical Evaluation Strategy. The TET members need to comply with the requirements as stipulated in the 240-106871290: Technical Evaluation Team Member Appointment Letter Template.

Functional Responsibility: The Functional Responsible person reviews the tender technical evaluation strategy report for correctness and approves its contents prior to submission of the document for authorisation.

Authoriser: The tender technical evaluation strategy document authoriser is responsible for ensuring that correct processes were followed in developing this document and that the relevant stakeholders have been involved. The authoriser also reviews the document for alignment to Eskom business strategy, policy, objectives, imperatives, and requirements. The authoriser shall authorise the release and application of the tender technical evaluation strategy report document.

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

Refer to Section 2.2.2

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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	[REDACTED]	System Engineer
TET 2	[REDACTED]	Senior Technician Engineering
TET 3	[REDACTED]	Senior Technician Civil
TET 4	[REDACTED]	Engineer in Training-Civil

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

In Table 2 define all Mandatory Evaluation Criteria to be used as well as reference to specification and motivation for Criteria use.

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	CIDB Grade 2 or higher with Class CE or GB for Construction Works	The Constructor to submit CIDB Registration Certificate: Active status COPY showing Grade 2 CE or 2 GB (or higher than 2).	Ensures bidders meet CIDB Act requirements and are properly registered.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

In Table 3 define all Qualitative Evaluation Criteria to be used as well as reference to specification and specific weighting / sub weighting.

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
Civil requirements					
1.	Required personnel and qualifications for Civil Works		Resource Capability	30	
	1.1	Required personnel and qualifications <i>(All qualifications should be certified with a date not older than 6 months)</i>	As part of the tender returnable, the Contractor must submit the CV's and qualifications of the following personnel: 1. Site Agent: National Diploma or Degree in Civil Engineering (ECSA registration) or a National Diploma or Degree in Building/Construction (SACPCMP registration) 2. Experience: 3–5 years in civil works, preferably parking or roadworks, 2+ years in QA/QC for civil works. 3. Site Foreman/Supervisor: Trade certificate or NQF Level 4 in construction supervision, Experience: Minimum 3 years in civil works. 4. Health & Safety Officer: SACPCMP registration as Construction Health & Safety Officer. (Candidate is also acceptable), Role: Safety file preparation, risk assessments, toolbox talks, compliance with OHS Act, Experience: 2–3 years in construction safety.	20	5 = Meets/exceeds all requirements for Site Agent:(degree/Diploma +ECSA/SACPCMP + >5 yrs exp), for Site Foreman/Supervisor: (Certificate + >3 yrs exp), for Health & Safety Officer (Registered officer + >3 yrs exp) 4 = for Site Agent: (Meets most (degree/diploma + 3–5 yrs exp), for Site Foreman/Supervisor (Certificate + 3 yrs exp), for Health & Safety Officer (Candidate registration + 2–3 yrs exp) 2 = for Site Agent (Partial (qualification but <3 yrs exp), for Site Foreman/Supervisor (Certificate but <3 yrs exp), for Health & Safety Officer (Candidate registration but <2 yrs exp) 0 = All key Personnel (No qualification/experience)

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
	1.2	Organogram	The Contractor must submit a PDF organogram with the following items mentioned: 1. Project team structure showing name of key personnel, designation, role and number of experiences on civil works similar to the scope.	10	5 = All personnel listed with names, roles, qualifications, and ≥ required years of experience. 4 = Most personnel listed (2/3) with roles and qualifications, minor gaps in experience. 2 = Partial listing, missing key personnel or incomplete qualifications. 0 = No structure provided.
2.	Technical Approach		Reference to Technical Specification / Tender Returnable	30	
	2.1	Construction Methodology	The Contractor must submit a construction methodology detail the following: A fully detailed procedures of works covering the Civil works scope	30	5 = All 100% items fully detailed with clear procedures. 4 = 80% items detailed, minor omissions. 2 = 40% items partially covered. 0 = <40% items or no methodology submitted.
3.	Execution Programme		Reference to Technical Specification / Tender Returnable	10	
	3.1	Realistic programme of work The mentioned tools can be used for generating the Programme • Microsoft Project • Microsoft Excel	The Contractor must submit Realistic timelines with dependencies of works as per the scope of works. The following should reflect on the programme 1. Activity Breakdown 2. Sequencing & Dependencies driven tasks reflecting critical path	10	5 = All activities clearly listed and aligned with scope (1-3) 4 = Most activities listed, minor omissions (2/3) 2 = Partial breakdown, missing key items. (1,2 or 3).

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
		Primavera The document should be converted to PDF before it can be submitted.	3. Timeframes & Milestones		0 = No breakdown provided, no sequencing shown, no timeframes/milestones shown.
Electrical requirements					
4.	Required personnel and qualifications for Electrical Works		Resource Capability	30	
	4.1	CVs of key Personnel for Electrical - Electrical technician - Installation Electrician - Registered Electrical Engineer	Tender returnable: - CVs including contactable references. 5 years' relevant experience in electrical installations of LV systems (switchgears, cables, earthing and bonding systems) 5 years' relevant experience as an Installation Electrician. 5 years' relevant experience as a registered Electrical Engineer.	35	5 = COMPLIANT - CVs including contactable references submitted. 5 years' relevant experience in electrical installations of LV systems (switchgears, cables, earthing and bonding systems) submitted. 5 years' relevant experience as an Installation Electrician submitted. 5 years' relevant experience as a registered Electrical Engineer. 4 = COMPLIANT WITH ASSOCIATED QUALIFICATIONS - CVs including contactable references submitted. 3-4 years' relevant experience in electrical installations of LV systems (switchgears, cables, earthing and bonding systems) submitted. 3-4 years' relevant experience as an Installation Electrician submitted. 3-4 years' relevant experience as a registered Electrical Engineer.

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
					2 = NON-COMPLIANT • CVs including contactable references submitted. • 1-2 years' relevant experience in electrical installations of LV systems (switchgears, cables, earthing and bonding systems) submitted. • 1-2 years' relevant experience as an Installation Electrician submitted. • 1-2 years' relevant experience as a registered Electrical Engineer. 0 = TOTALLY DEFICIENT OR NON-RESPONSIVE • No submission.
	4.2	Qualifications of key Personnel for Electrical	Tender returnable: Certified copies of the following: • National Diploma or N6 Certificate in electrical Engineering or equivalent qualification, electrical trade test certificate • N3 qualification for an Installation Electrician. • Registration with Department of Employment and Labour as an Installation Electrician. • ECSA registration certificate. • BSc or BEng degree in electrical engineering.	30	5 = COMPLIANT Certified copies of the following: • National Diploma or N6 Certificate in electrical Engineering or equivalent qualification, electrical trade test certificate submitted. • N3 qualification for an Installation Electrician submitted. • Registration with Department of Employment and Labour as an Installation Electrician submitted. • ECSA registration certificate submitted. • BSc or BEng degree in electrical engineering submitted.

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
					4 = COMPLIANT WITH ASSOCIATED QUALIFICATIONS Certified copies of the following: • National Diploma or N6 Certificate in electrical Engineering or equivalent qualification, electrical trade test certificate submitted. • N3 qualification for an Installation Electrician not submitted. • Registration with Department of Employment and Labour as an Installation Electrician submitted. • ECSA registration certificate submitted. • BSc or BEng degree in electrical engineering submitted. 2 = NON-COMPLIANT Certified copies of the following: • National Diploma or N6 Certificate in electrical Engineering or equivalent qualification, electrical trade test certificate not submitted. • N3 qualification for an Installation Electrician not submitted. • Registration with Department of Employment and Labour as an Installation Electrician submitted. • ECSA registration certificate submitted. • BSc or BEng degree in electrical engineering submitted.

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
					OR Certified copies of the following: • National Diploma or N6 Certificate in electrical Engineering or equivalent qualification, electrical trade test certificate submitted. • N3 qualification for an Installation Electrician not submitted. • Registration with Department of Employment and Labour as an Installation Electrician not submitted. • ECSA registration certificate not submitted. • BSc or BEng degree in electrical engineering not submitted. 0 = TOTALLY DEFICIENT OR NON-RESPONSIVE • No submission.
	4.3	Electrical works methodology	The tenderer must submit Electrical scope methodology as per Section 3.1.5.4 of Technical Specification document but not limited to:	35	5 = COMPLIANT Methodology including the full scope submitted. 4 = COMPLIANT WITH ASSOCIATED QUALIFICATIONS Methodology including the majority but not the full scope submitted. 2 = NON-COMPLIANT

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	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
			• Supply and install a junction box for the EV • Supply and install a 250A, 4-pole MCCB inside a junction box. • Supply and install earthing on the junction box • Supply and install LED canopy luminaire, • Supply and install a 120 mm², 4-core, PVC insulated, cable • Supply and install a cable marker to indicate the presence of a power cable. • Terminate the installed power cable at both the switchgear and the junction box. • Perform a continuity test on the cable. • Supply and install KKS labels. • Update the red-lined drawings. • Provide the CoCs, where needed. • Provide all electrical drawings.		Methodology submitted is very minimal or irrelevant to the Electrical scope. 0 = TOTALLY DEFICIENT OR NON-RESPONSIVE • No submission.
				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.			X	X
2.			X	X
3.			X	X
4.	X	X		

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	Minor omissions on the construction and electrical works methodology.

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Installation Electrician not registered with Department of Employment and Labour.
2.	Experience of less than 2 years of relevant work on for both electrical and civil works.
3.	Experience not relevant to the one required by both electrical and civil scope of work.
4.	Project team organogram submitted but does not clearly indicate name of key personnel, designation, role and number of experiences on civil works.
5.	Site agent is not registered with ECSA or SACPCMP and Electrical engineer not registered with ECSA.

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

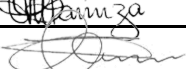
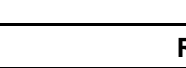
Risk	Description
1.	Declining to provide technical details accurately deemed intellectual proprietary.

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Failure to provide documents for assessing compliance with mandatory technical evaluation criteria.
2.	Deviations from original scope of work.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Hope Kalandwa	System Engineer	
Robert Lesajane	Senior Technician Engineering	
Salanga Makwinda	Senior Technician Civil	
Janet Moyo	Engineer in Training Civil	
Sitshelle Chelene	Senior Advisor Project Planning	
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Jacky Mthethwa	Engineering Manager	

5. REVISIONS

Date	Rev.	Compiler	Remarks
June 2026	0.1	Hope Kalandwa	Draft
July 2026	1	Hope Kalandwa	Updated qualitative criteria and section 3.6.

6. DEVELOPMENT TEAM

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

~~Hope Kalandwa~~
~~Robert Lesajane~~
~~Salanga Makwinda~~

7. ACKNOWLEDGEMENTS

~~Hope Kalandwa~~

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