Eskom	Report	GROOTVLEI

Title:	**Supply and Delivery of electrical cables on "as and when required" at Grootvlei Power Station Cabling Contract Technical Evaluation Strategy**	Unique Identifier:	**GVL/0595**
		Alternative Reference Number:	**N/A**
		Area of Applicability:	**Grootvlei Power Station**
		Documentation Type:	**Report**
		Revision:	**2**
		Total Pages:	**11**
		Next Review Date:	**N/A**
		Disclosure Classification:	**CONTROLLED DISCLOSURE**

Compiled by	Supported by	Authorised by
STembe.....	..... pp	.....
Sihle Tembe	**Thabiso Mtsweni**	**Thabo Montja**
Electrical Engineer	**Electrical Engineering Manager**	**Engineering Manager**
Date: 06/03/2025	Date: 06/03/2025	Date: 07/03/2025

CONTENTS

Page

1. INTRODUCTION

Grootvlei Power Station is a coal fired power station located in Grootvlei, Mpumalanga, South Africa. The station is made up of six units, with three units which are currently in service which is Unit (1-3) and three units which are on cold reserve which is unit (4-6). The three units generate approximately 585 MW to Eskom national grid. The ability to generate electricity is made possible by the electrical reticulation network within the station.

The contract is for the supply and Delivery of various Electrical power cables at Grootvlei Power Station for as an when required for a period of 5 years. They are used to supply electrical power in various plant areas.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document discusses the different technical aspects that will be evaluated and scored by the Technical Evaluation Team (TET) to complete the technical evaluation for supply and delivery of cabling contract. The team members who will be involved in the evaluation are listed in this document along with their responsibilities.

This document also describes the acceptable and unacceptable risks and qualifications and/or conditions that will be applicable to the Scope of Work. Once the Technical Evaluation Strategy is authorised, no changes will be made to the evaluation criteria without the appropriate authorisations.

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.

The purpose of this Technical Evaluating Strategy is to provide a consistent approach to:

- Processes and principles to be followed when technically evaluating tenders.
- Responsibilities of individuals and
- Reporting requirements.

2.1.2 Applicability

This document is applicable to Grootvlei Electrical Engineering Department **ONLY**.

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] ISO 9001 Quality Management Systems

[2] 240-48929482: Tender Technical Evaluation Procedure

[3] 32-1033: Eskom Procurement and Supply Chain Management Policy

[4] 32-1034: Eskom Procurement and Supply Management Procedure

[5] Occupational Health and Safety Act and Regulations (85 of 1993)

[6] IS0 14001 Safety Management System

2.2.2 Informative

[7] 36-681 Generation Plant Safety Regulations

[8] 240-52844017 Eskom System Reliability, Availability and Maintainability Analysis Guideline

[9] ISO 10007 Guidelines for Configuration Management

[10] 240-105658000 Supplier Quality Management Specification

[11] 240-56227443 Requirements for Control and Power Cables for Power Station Standard

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Definition	Description
TET	Technical Evaluation Team
QCP	Quality Control Plan
OHS Act	Occupational Health & Safety Act
CV	Curriculum Vitae
EMD	Electrical Maintenance Department
Gx	Generation
IEC	International Electro-technical Commission
C&I	Control and Instrumentation
kV	Kilo volt
MW	Megawatt

2.5 ROLES AND RESPONSIBILITIES

- **Engineering Manager**: Grootvlei Engineering Manager shall ensure that the respective areas understand and adhere to [2] **Tender Technical Evaluation Procedure 240-48929482**
- **Technical Evaluation Team (TET) Member**: The delegated **Engineers / Technical Specialists** who are responsible to review and evaluate technical aspects of the tender documentation as per the [2] **Tender Technical Evaluation Strategy 240-48929482**.
- **Suppliers**: All suppliers of the cables to Eskom must be conversant with the requirements of this standard and shall comply with the requirements. No deviations will be accepted, and suppliers shall ensure that they obtain clarity where required and obtain all supporting information or documents necessary to comply with this document.

2.6 PROCESS FOR MONITORING

The cable systems acceptance shall be based on fully compliant submission of documents, the factory testing of the cables, and proving manufacturing capability and capacity during factory evaluations.

The process to be followed in performing technical evaluations during the tender evaluation process must be consistent throughout **Eskom Engineering**.

2.7 RELATED/SUPPORTING DOCUMENTS

[11] 240-53716746: Tender Technical Evaluation Report Template

[12] 240-53716712: Tender Technical Evaluation Results Form Template

[13] 240-53716726: Tender Technical Evaluation Scoring Form Template

[14] 240-53716769: Tender Technical Evaluation Strategy Template

3. TENDER TECHNICAL EVALUATION STRATEGY

Technical evaluations are a critical activity performed by **Engineers / Technical Specialists** in accordance with [3] 32-1033: Eskom Procurement and Supply Chain Management Policy and [4] 32-1034: Eskom Procurement and Supply Management Procedure during the tender process.

This procedure shall ensure that a consistent, fair, transparent, Impartial, and auditable process is followed to identify the highest technically ranked tenderer.

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 unless set otherwise. 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 **80%**.

3.2 TET MEMBERS

Table 1 below lists the TET members.

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Sihle Tembe	Grootvlei System Engineer
TET 2	Doctor Mazeka	Grootvlei System Engineer
TET 3	Mandla Zitha	Grootvlei System Engineer
TET 4	Kgotso Makweya	Grootvlei System Engineer

3.3 MANDATORY TECHNICAL EVALUATION STRATEGY

Table 2: Mandatory Technical Evaluation Strategy

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Cable technical data sheets to be attached for all scoped GVL PS Electrical cables (As per appendix B on the scope of work- GVL/0598)	Tender Returnable	To ensure the suppliers demonstrate knowledge of electrical cables specification.
2.	The contactor shall provide previously issued test certificates on 3 cables with specifications mentioned on the scope of work (As per appendix B on the scope of work- GVL/0598) (minimum= 3 previously issued test certificates)		To ensure that the supplier has previously issues the scoped items (As per appendix B on the scope of work- GVL/0598)

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

Note: *Minimum threshold is 80%.*

	Qualitative Technical Criteria Description		Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	**Company Experience**			
	1.1	**Proof of previous contracts for supply and delivery of electrical cables. (Minimum of 5 years).**	**30**	
	1.1.1	More than 5 years' experience	30	
	1.1.2	Between 3 to 5 years' experience	20	
	1.1.3	Less than 2 years' experience	5	

2.	**Key Project Team & Resources**			
	2.1	**Proof of supply agreement from the cable manufacturer on a company letterhead.**	**30**	
	2.1.1	A letterhead agreement from the cable manufacturer stating that 100% of the scoped cables will be supplied.	30	
	2.1.2	A letterhead agreement from the cable manufacturer stating that 80% of the scoped cables will be supplied.	15	
	2.1.3	A letterhead agreement from the cable manufacturer stating that 40% of the scoped cables will be supplied.	5	
	2.1.4	Non-responsive. Nothing submitted or the submitted letterhead agreement from the cable manufacturer states that less than 40% of the scoped cables will be supplied.	0	
3	**Cables Handling and Storage**			
	3.1	**Supplier to provide a method statement or procedure that covers the handling, transportation and storage, with accordance with which SANS standards**	**20**	
	3.1.1	Method statement or procedure entailing cable handling, transportation and storage in accordance with SANS standards	**20**	
	3.1.2	Method statement covering either handling, transportation or storage only	**10**	
	3.1.3	Nothing Submitted	**0**	
4	**Turn Around Time**			
	4.1	**Proof of lead time on delivery of scoped cables from order received to order delivery. A letter with letterhead to be supplied.**	**20**	
	4.1.1	Service provider stated delivery of cables lead time to be less than 7 days. of order placement date	**20**	
	4.1.2	Service provider stated delivery of cables lead time to be between 7-14 days after order placement date	**15**	

	4.1.3	Service provider stated delivery of cables lead time to be between 14-28 days from order placement date	**10**	
	4.1.4	Service provider stated delivery of cables lead time to be more than 28 days from order placement date.	**0**	
			TOTAL: 100	

4. TENDER TECHNICAL EVALUATION REPORT

On completion of the technical evaluation process and all clarification sessions, the final technical evaluation results shall be documented in a Tender Technical Evaluation Report, which shall comprise, as a minimum.

- Details on the implementation of Tender Technical Evaluation Strategy.
- List all tenders (tenderer name, etc.) received and evaluated.
- Summary of all clarification questions and responses received.
- Summary of evaluation results.
- Interpretation of evaluation results (mandatory and qualitative criteria);
- Final conclusions and recommendations.
- All individual scoring forms and consolidated results.
- Minutes of all meetings during evaluation process (internal clarification sessions, tenderer clarification sessions, etc.)

The Tender Technical Evaluation Report shall highlight any key issues that must be further addressed and/or negotiated. The report shall also highlight any issues that require on-going scrutiny once the contract has been awarded.

On completion of the Tender Technical Evaluation Report, the compiler shall distribute the final draft report to all TET members for their final review.

Once the Tender Technical Evaluation Report has been approved and authorized by Electrical and Engineering Manager, the final signed report shall be formally handed over to the Commercial Representative

5. AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation
Thabiso Mtsweni	Grootvlei Electrical Engineering Manager
Thabo Montja	Grootvlei Engineering Manager
Lebo Mokgwabone	Acting Grootvlei Electrical Maintenance Manager
Sipho Mzamane	Grootvlei Senior Engineer Electrical
Ben Madisa	Grootvlei Maintenance Manager

6. REVISIONS

Date	Rev.	Compiler	Remarks
November 2024	1	S Tembe	Final document for signature

7. DEVELOPMENT TEAM

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

- Sihle Tembe

8. ACKNOWLEDGEMENTS

N/A