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1. Introduction

This document clarifies the technical evaluation strategy for thyristor spares contract. These components will be supplied and delivered at Kendal Power Station Stores Department

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 thyristor 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 supply and deliver of the thyristors. 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.

2.1.2 Applicability

This document is applicable to Kendal Power Station **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] 32-1034: Eskom Procurement Policy

2.2.2 Informative

[4] 36-681 Generation Plant Safety Regulations

[5] 240-52844017 Eskom System Reliability, Availability and Maintainability Analysis Guideline

[6] 240-49230046 Eskom Failure Mode and Effects Analysis Guideline

[7] 240-105658000 Supplier Quality Management Specification

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
OHS Act	Occupational Health & Safety Act
Gx	Generation

2.5 Roles and Responsibilities

- Engineering Manager: Kendal Engineering Manager shall ensure that the respective areas understand and adhere to Tender Technical Evaluation Procedure
- Technical Evaluation Team (TET) Member: The delegated technical/management team is responsible for review and evaluate technical aspects of the tender documentation.

2.6 Process for Monitoring

The project will follow the Engineering Change Management Procedure, in order to provide an effective process for controlling changes to plant, technical documentation and an agreed baseline. All reviews for the project will follow the Design Review Procedure.

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

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 or not 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	Nathi Mkhize	System Engineer
TET 2	Ayanda Mahlobo	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.	None		

3.4 Qualitative Technical Evaluation Criteria

Table 3: Qualitative Technical Evaluation Criteria

Note: *Minimum threshold is 80%.*

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Actual Weighting (%)	Weighting (%)
1.	**Ability to Supply and Deliver**				**100**
	1.1	Provide a letter that confirms new thyristors are Electrical and mechanical interchangeability with existing switch disconnector • No letter submitted – 0% • Letter submitted – 10%	Tender Returnable		10
	1.2	Provide thyristor detail drawings, showing all dimensions. • No drawings submitted – 0% • Incomplete drawings submitted – 5% • Complete drawings submitted – 10%	Tender Returnable		10
	1.3	Provide a detailed datasheet for the thyristor, with full specifications. • No datasheet – 0% • Incomplete datasheet – 5% • Datasheet with full specifications – 10%	Tender Returnable		10
	1.4	Provide operating procedure for thyristors. • No operating procedure – 0% • Incomplete operating procedure – 5% • Detailed operating procedure – 10%	Tender Returnable		10

	1.5	Provide maintenance procedure for thyristors. • No maintenance procedure – 0% • Incomplete maintenance procedure – 5% • Detailed maintenance procedure – 10%	Tender Returnable		10
	1.6	Provide at least two-software version for LCI LIN Board (GFD563). Proof to be submitted in a form of a letter or certificate. • No software version provided – 0% • One software version provided – 5% • Two software version provided – 10%			10
	1.7	Provide at least two-firmware version for LCI LIN Board (GFD563). Proof to be submitted in a form of a letter or certificate. • No firmware version provided – 0% • One firmware version provided – 5% • Two firmware version provided – 10%			10
	1.8	Provide a datasheet for the LCI LIN Board (GFD563). • No datasheet provided – 0% • Datasheet provided – 10%			10
	1.9	Provide at least one-firmware version for DCS800-S03. Proof to be submitted in a form of a letter or certificate. • No firmware version – 0% • One firmware version – 10%			10

	1.10	Provide firmware manual for DCS800-S03 – 10%			10
TOTAL					**100**

Table 4: TET Member Responsibilities

Mandatory Criteria Number	**TET 1**	**TET 2**
	None	
Qualitative Criteria Number	**TET 1**	**TET 2**
1	Ability to Supply and Deliver	
1.1	X	X
1.2	X	X
1.3	X	X
1.4	X	X
1.5	X	X
1.6	X	X
1.7	X	X
1.8	X	X
1.9	X	X
1.10	X	X

4. Authorisation

This document has been seen and accepted by:

Name & Surname	Designation
Remember Sigawuke	Electrical Engineering Manager
Malibongwe Mabizela	Engineering Manager
Ayanda Mahlobo	System Engineer

5. Revisions

Date	Rev.	Compiler	Remarks
March 2022	0	N Mkhize	Final document for signature
April 2023	1	N Mkhize	More spares added on the document

6. Development Team

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

- Nathi Mkhize

7. Acknowledgements

N/A