Eskom	Strategy	Engineering

Title: **Kendal SSC and Grizzly Conveyor Spares Technical Evaluation Strategy**

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1. INTRODUCTION

The Submerged Scraper Conveyor is installed at each of the 6 Units at Kendal Power Station for the purpose of bulk ash handling and continuous transportation during operation. The SSC and grizzly conveyor consist of the Hägglunds powerpack and hydraulic motor, flights, chain, tail-end pulley, drive pulley and gearbox. These are long lead time spares items, and unavailability of these spares will lead plant unavailability and increased loss in production. Thus, it is crucial to have these spares available to ensure excellent operations of the SSC and Grizzy Conveyors at Kendal Power Station.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document discusses the different technical aspects that will be evaluated and scored by the multi-disciplinary Technical Evaluation Team (TET) for SSC and Grizzly Conveyor spares at Kendal Power Station as stipulated in the procurement strategy.

The team members who will be involved in the evaluation are listed and appointed 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 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 Kendal Power Station Engineering.

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] Tender Technical Evaluation Procedure.

2.2.2 Informative

[2] ISO 9001 Quality Management Systems.

[3] 474-59: Internal Audit Procedure

[4] EAP 0304-1: Required Operational Capability Report

[5] 32-1034: Eskom Procurement Policy and supply chain management policy

[6] 240-53114002: Engineering Change Management Procedure

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Table 1 Abbreviations

Definition	Description
TET	Technical Evaluation Team
OEM	Original Equipment Manufacturer
FAT's	Factory Acceptance Tests
SSC	Submerged Scraper Conveyor

2.5 ROLES AND RESPONSIBILITIES

- *Boiler Engineering Manager*: Kendal Boiler Engineering Manager shall ensure that the respective areas understand and adhere to this procedure
- *Senior Engineer:* The Senior Engineer is responsible to review the technical tender document.
- *Technical Evaluation Team (TET) Member:* The delegated engineers/technical specialists are responsible for review and evaluate technical aspects of the tender documentation Tender TET.

2.6 PROCESS FOR MONITORING

The refurbishment and manufacturing aspects will be monitored by conducting quality control plan during work execution and final inspection after work completion.

2.7 RELATED/SUPPORTING DOCUMENTS

[7] 240-53716746: Tender Technical Evaluation Report

[8] 240-53716712: Tender Technical Evaluation Results Form

[9] 240-53716726: Tender Technical Evaluation Scoring Form

[10]240-53716769: Tender Technical Evaluation Strategy

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 requirements as per the 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 70%.

3.2 TET MEMBERS

Table 2 below lists the TET members.

Table 2 TET Members

TET number	TET Member Name	Designation
TET 1	Thapelo Lesola	System Engineer
TET 2	Tendani Rasivhetshele	Boiler Engineering Manager
TET 3	Jesse Eganza	Senior Boiler Engineer

3.3 MANDATORY TECHNICAL EVALUATION STRATEGY (GATE KEEPERS)

Table 3 : Mandatory Technical Evaluation Strategy(Gatekeepers)

	Mandatory Technical Criteria Description	Reference to Technical Specification/Tender Returnable	Criteria Score(Yes/No)
1.	The supplier must be ISO 9001:2015 Certified	Provide a valid certified copy of ISO 9001:2015 Certificate	

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA SCORING MATRIX

Table 4 :Qualitative Technical Evaluation Criteria Scoring Matrix

Criteria Number	Score Percentage Description
2	5 (100% of weight) COMPLIANT • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements. 4 (75% of weight) COMPLIANT WITH ASSOCIATED QUALIFICATIONS • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; Acceptable conditions. 2 (40% of weight) NON-COMPLIANT • Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR;Unacceptable conditions. 0 (0% of weight) TOTALLY DEFICIENT OR NON-RESPONSIVE

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 5: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification/Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	**Technical capability**				
	1.1	Supplier Capability Provide a full list of all components and assemblies that will be supplied as per the scope of work (technical information). Full list of all components and assemblies with complete technical information = 5 Almost all the components and assemblies with complete technical information = 4 Partial list of components and assemblies and insufficient technical information = 2 Non responsive = 0	Tender Returnable	**40**	20

	1.2	Manufacturing processes of the critical components: • Head pulley • Tension pulley • Outboard bearing • Inboard bearing • Guide wheels • Shafts Provide manufacturing processes for all the critical components Manufacturing process covering the full list of critical components = 5 Manufacturing process covering more than 50% of the list of critical components = 4 Manufacturing process for less than 50% of the list of critical components = 2 Non responsive = 0	Tender Returnable		80
	1.3	Experience for services supplied to Eskom and other industries for similar work, (List such Power Plants/Industries & Orders issued in the last 5 years) Provide order numbers and traceable references More than five orders in the last 5 years = 5 Three to five orders in the last 5 years = 4 Two orders in the last 5 years = 2 No orders in the last 5 years = 0	Tender Returnable	**20**	100

2.	**Workshop Technical Assessment – Workshop Visit**		**N.B: Only service providers that get a minimum total weighted score (threshold) of 50% in all the other criteria's will qualify for a Workshop Visit**			
	2.1	Supplier Capability Assessment at Supplier Premises	Manufacturing machinery (lathe machine, welding equipment, fabrication tools and equipment, etc.)	Assessment to be done at the supplier premises	**30**	80
			Stock holding check at supplier premises			20

3.	**Quality Control (Execution)**				
	3.1	QCP and Check Sheets Provide sample of a signed quality control document of the critical components and other components that will be supplied. Looking at quality, correctness, material certificates, assembly and machining tolerances as well as FATs. Sample of signed QCP for all components, material certificate, assembly, machining tolerances and FAT's included = 5 Sample of signed QCP for only critical components, material certificate, assembly, machining tolerances and FAT's included = 4 Either Signed QCP for all components and material certificates or machining tolerances and FATs included = 2. Non responsive = 0	Tender Returnable	**10**	70
	3.2	Supply documented procedures/work instructions in place for: Internal quality audits, non-conformances, corrective and preventive actions, storage/handling of equipment All documentation included = 5 Almost all documentation included = 4 Documentation partially included = 2 Non responsive = 0			30
			Total	**100**	
			Minimum Threshold	**70**	

Table 6: TET Member Responsibilities

Qualitative Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2	X	X	X
3	X	X	X

4. AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation
Jesse Eganza	Senior Boiler Engineer
Tendani Rasivhetshele	Boiler Engineering Manager
Phindile Takane	Engineering Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
June 2025	1	T. Lesola	Changed Introduction paragraph Changes on Table 5, Included the scoring matrix on the technical evaluation Changes on Table 4, only Criteria number 2 covered Changes on Table 2: TET members, change TET 1 from Sibusiso Yotho to Thapelo Lesola
Feb 2022	0	S.A.Yotho	Original

6. DEVELOPMENT TEAM

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

- Thapelo Lesola
- Sibusiso Yotho

7. ACKNOWLEDGEMENTS

N/A