Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation Strategy – DHP Sealing Spares**

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Compiled by	Functional Responsibility	Authorised by
.....	.....	.....
KA Ndou	**R Nel**	**J Mathobela**
System Engineer	**Boiler Engineering Manager**	**Engineering Manager**
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TABLES

1. INTRODUCTION

Matimba Power Station – Technical Evaluation Strategy for DHP Sealing Spares

Matimba Power Station incorporate a Dust Handling Plant (DHP) system installed downstream of the flue gas path on all six boiler units. This plant is designed to evacuate ash retained by the Electrostatic Precipitators (ESPs) via a fully enclosed **En-masse** chain conveyor system.

Each unit's DHP conveys ash from the Electrostatic Precipitator Hoppers to the Fly Ash Bunkers from which it is then transferred it onto a transverse conveyor, which transports the material to the ash dump for disposal. Within the DHP, hoppers feed ash into the ESP conveyors, which in turn supply material to Collector conveyor 100 which feeds collector conveyor 200. The Collector Ash Conveyors 200 then feed the Bucket elevators which in turn feeds the Bunker Top Conveyors for distribution into the Bunker compartments ,From the Bunker ash is then conditioned and collectively transported out of the station to the designated ash dump.

The Matimba DHP system includes the following key components:

- Conveyor Protections
- Conveyor Casings
- Conveyor Chain
- Tensioning system
- Drive sprockets
- Conveyor Drive-End (DE) and Non-Drive-End (NDE) Stations
- Chutes and compensators
- Control and aeration air piping system
- A-frame piping system

This document outlines the **Technical Evaluation Strategy** for the procurement of **Sealing** components spares for the DHP system at Matimba Power Station. The objective is to ensure that all supplied spares meet the required technical specifications and operational standards.

1.1 SCOPE

The scope of work encompasses the supply and delivery of Matimba Power Station's Dust Handling Plant (DHP) Sealing spares as detailed in the Bill of Quantities (BOQ) or Scope. It establishes the technical requirements to be applied during the tender's technical evaluation phase, providing a framework to assess and compare bids from potential suppliers. This ensures that all supplied materials comply with the plant's technical specifications and operational requirements.

The Tender Technical Evaluation Strategy (TTES) for this scope defines the following key elements:

- Qualitative Evaluation Criteria
- Responsibilities of the Technical Evaluation Team (TET) Members
- Acceptable and Unacceptable Qualifications

1.1.1 Purpose

The purpose of this Tender Technical Evaluation Strategy is to establish the Qualitative Evaluation Criteria and define the responsibilities of the Technical Evaluation Team (TET) members for the tender technical evaluation process. This strategy serves as the foundational framework guiding the execution of the technical evaluation.

1.1.2 Applicability

This document applies to the Matimba Power Station

1.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

1.2.1 Normative

[1] 240-48929482: Tender Technical Evaluation Procedure

[2] ISO 9001 Quality Management Systems.

[3] 240-6219227, Life Safety Rules

[4] Refurbishment of NDE becket elevator pulley as per scope of work

[5] Occupational Health and Safety Act, Act 85 of 1985

1.2.2 Informative

[6] 240-53716726: Tender Technical Evaluation Scoring Form Template

1.2.3 Classification

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

1.3 ABBREVIATIONS

Abbreviation	Description
ISO	International Organization for Standards
SoW	Scope of Work
DHP	Dust Handling Plant
QCP	Quality Control Plan
TET	Technical Evaluation Team
TTES	Tender Technical Evaluation Strategy
ESP	Electrostatic precipitator conveyor
BOQ	Bill of Quantity

1.4 ROLES AND RESPONSIBILITIES

The Technical Evaluation Team (TET) will be responsible for setting up the technical evaluation criteria and evaluating the bidding candidates' submissions. The TET will perform their duty as prescribed and dictated by the guidelines of the Eskom's Tender Evaluation Procedure with the intent of appointing a competent contractor to execute the works.

Below are some of the key roles and responsibilities as prescribed in the Tender Technical Evaluation Procedure:

- **Engineering Manager:** All Engineering Managers throughout Eskom shall ensure that all staff, in their respective areas understand and adhere to this procedure.
- **Technical Evaluation Team (TET):** The delegated engineers/technical specialists who are responsible to review and evaluate technical aspects of the tender documentation as per the Tender Technical Evaluation Strategy.

1.5 PROCESS FOR MONITORING

The TET will perform their evaluations and provide their recommendations as per the Eskom's Tender Evaluation Procedure.

1.6 RELATED/SUPPORTING DOCUMENTS

Not Applicable

2. TENDER TECHNCIAL EVALAUTION STRATEGY

2.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is minimum of 70%.

2.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Khumbudzo Ndou	DHP System Engineer
TET 2	Sipho Honono	Senior Technician Mechanical

2.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	The tenderer must provide data sheets of all items listed in table 1 of the Scope of work indicating all sizes and design parameters. (Yes/No)	-Proof of correct technical specifications and layouts for all items. -Completed technical specifications Schedule A.	Data sheets & Schedule A data are required to confirm alignment with both SAP and plant specifications.
2.	The tenderer must provide proof that the supplier selected has been supplying at least 10 of the 28 items on the listed table 1 for at least 3 years. (Yes/No)	Proof that the supplier selected has been supplying the items for at least 3 years.	Experienced supplier of spares is required to ensure that the reliability and quality of the Dust Handling Plant technology is maintained.
3.	The tenderer must submit a signed letter of intent indicative of supplying time frames undertaking to supply all 32 items listed in the Scope of work. (Yes/No)	Signed letter of intent undertaking to supply spares listed in the Scope of work.	The risk of a contractor unable of to supply OEM items on the scope timeously affects the Dust Handling Plant Availability.

2.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

2.4.1 Sealing Spares Technical Evaluation

Items.	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)		Criteria Sub Weighting (%)	Acquired Score (%)
1.	Technical Compatibility for the Sealing items.	Tenderer to submit the following technical documentation: (i)Data sheets showing dimensions, materials,tolerances,certifications,standards and ratings for all 24 items. (ii)OEM authorisation or equivalency evidence. (ii)Filled Schedule A-sheet for Sealing spares.	Submitted all (i), (ii) &(iii) technical documentations & acquired total alignment score of 24.	50	**50**	
			Submitted all (i), (ii) &(iii) technical documentations & acquired total alignment score of 16 & above.	30		
			No submission or submitted with deviations.	0		
2.	Technical experience & references supplying the listed sealing spares items.	Tenderer to submit the following: (i)List of previous orders for identical or similar items/Supply completion certificates. **minimum of 3 orders.**	More than 4 orders submitted with 3 reference letters.	20	**20**	
			At least 3 orders for similar spares submitted with 2 reference letters.	10		
			No submission or submitted with deviations.	0		
3.	Spares warranty and or after sales support	Tenderer to submit the following: (i)Technical support statement(availability of engineers,manuals,troubleshooting support).	Submitted evidence of both warranty terms(equal/better than OEM) & technical support capability.	10	**10**	
			Submitted evidence of at least one of the two requested.	5		

		(ii)Warranty statement confirming coverage equivalent or better than OEM parts.	No submission or submitted with deviations.	0		
4.	Compliance Matrix & Declarations	Tenderer to submit the following: (i)Technical compliance matrix responding point-by-point to the tender's technical requirements. (ii)Declaration of conformity stating that the spares are compatible with the plant specifications. NB! Technical compliance matrix is the schedule A excel sheet.	Submitted evidence of both compliance matrix and declaration of conformity	10	**10**	
			Submitted evidence of at least one of the two requested.	5		
			No submission or submitted with deviations.	0		
5.	Materials Handling Facility	Tenderer to submit proof of the following: (i)Storage system: Racks, shelving & bins (ii)Transportation equipment:Forklifts,pallet trucks/vehicle to move material.	Submitted evidence for both 2 required material handling facility	10	**10**	
			Submitted evidence of at least one of the two requested.	5		
			No submission or submitted with deviations.	0		
			TOTAL: 100		**100**	

3. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Khumbudzo Ndou	DHP System Engineer
Riaan Nel	Boiler Engineering Matimba Power Station
Jacky Mathobela	Engineering Manager, Matimba Power Station
Sipho Honono	Senior Technician Mechanical

4. REVISIONS

Date	Rev.	Compiler	Remarks
July 2025	0	KA Ndou	First Draft

5. DEVELOPMENT TEAM

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

- Khumbudzo Ndou

6. ACKNOWLEDGEMENTS

Not Applicable