

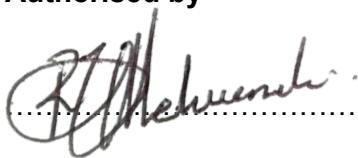


	<b>Strategy</b>	<b>Engineering</b>
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Title: <b>Tender Technical Evaluation Strategy for Supply and Delivery of Dust Handling Plant on an As and When Required Basis For A Period of Five (5) Years</b>	Unique Identifier:	<b>555-EAP2394</b>
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### **CONTROLLED DISCLOSURE**

## **1. INTRODUCTION**

Kriel Power Station uses various spares to maintain the Dust Handling Plant (DHP). This document states the technical evaluation criteria for the supply and delivery of all mechanical spares on an As and When Required basis for a period of five (5) years.

## **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 contract to Supply and Deliver of DHP spares for a period of five (5) Years.

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 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 the Kriel 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] 240-48929482: Tender Technical Evaluation Procedure
- [2] 32-1034: Eskom Procurement Policy
- [3] 240-53716726: Technical Scoring Form
- [4] 240-53716712: Technical Evaluation Results

#### **2.2.2 Informative**

- [5] 555-EAP2393: Supply and delivery of Dust Handling Plant on an As and When Required Basis for A Period of Five (5) Years.

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### 2.2.3 Classification

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

### 2.3 ABBREVIATIONS

Abbreviation	Description
DHP	Dust Handling Plant
N/A	Not Applicable
OEM	Original Equipment Manufacturer
SoW	Scope of Work
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team
QCP	Quality Control Procedure

### 2.4 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

### 2.5 PROCESS FOR MONITORING

Not applicable.

### 2.6 RELATED/SUPPORTING DOCUMENTS

Not applicable.

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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 75%. Any tenderer who scores below this threshold will be disqualified.

Mandatory Technical Evaluation Criteria (gatekeepers) are essential requirements that must be met. These criteria are evaluated on a Yes/No basis and are not weighted or scored. If a criterion is marked 'No', the tenderer is disqualified and not considered further.

Qualitative Technical Evaluation Criteria are weighted criteria used to rank tenderers technically after they have met all the Mandatory Evaluation Criteria. These criteria are weighted to indicate their relative importance.

#### **3.2 TET MEMBERS**

**Table 1: TET Members**

<b>TET number</b>	<b>TET Member Name</b>	<b>Designation</b>
TET 1	Thulani Ndlovu	Mechanical Engineer – Auxiliary Engineering
TET 2	Thabang Sehlare	Senior Engineer – Auxiliary Engineering
TET 3	Shyne Munisi	Mechanical Engineer – Auxiliary Engineering
TET 4	Macmillan Mashele	Senior Technician-Mechanical Maintenance Department

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### **3.3 MANADATORY TECHNICAL EVALUATION CRITERIA**

**Table 2: Mandatory Technical Evaluation Criteria**

N/A

### **3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA SCORING MATRIX**

The qualitative criteria will be scored according to the scoring matrix set out in the Tender Engineering Evaluation Procedure.

Table 3 shows the scoring matrix that will be used.

**Table 3: Qualitative Technical Evaluation Criteria Scoring Matrix**

<b>Score</b>	<b>%</b>	<b>Definition</b>
<b>5</b>	<b>100</b>	<b>COMPLIANT</b> <ul style="list-style-type: none"><li>• Meet technical requirement(s) AND;</li><li>• No foreseen technical risk(s) in meeting technical requirements.</li></ul>
<b>4</b>	<b>80</b>	<b>COMPLIANT WITH ASSOCIATED QUALIFICATIONS</b> <ul style="list-style-type: none"><li>• Meet technical requirement(s) with;</li><li>• Acceptable technical risk(s) AND/OR;</li><li>• Acceptable exceptions AND/OR;</li><li>• Acceptable conditions.</li></ul>
<b>2</b>	<b>40</b>	<b>NON-COMPLIANT</b> <ul style="list-style-type: none"><li>• Does not meet technical requirement(s) AND/OR;</li><li>• Unacceptable technical risk(s) AND/OR;</li><li>• Unacceptable exceptions AND/OR;</li><li>• Unacceptable conditions.</li></ul>
<b>0</b>	<b>0</b>	<b>TOTALLY DEFICIENT OR NON-RESPONSIVE</b>
<b>Note 1:</b> The scoring table does not allow for scoring of 1 and 3.		

Criteria	Weight	Score	Weighted Score
Accuracy	30%	90%	27%
Precision	25%	85%	21.25%
Recall	25%	80%	20%
F1 Score	20%	88%	17.6%
Model Complexity	10%	75%	7.5%
Interpretability	10%	70%	7%
Scalability	10%	82%	8.2%
Robustness	10%	78%	7.8%
Deployment Feasibility	10%	72%	7.2%
Maintainability	10%	76%	7.6%
Documentation	10%	74%	7.4%
Integration	10%	79%	7.9%
Security	10%	77%	7.7%
Performance	10%	81%	8.1%
Cost	10%	73%	7.3%
Support	10%	75%	7.5%
Compliance	10%	76%	7.6%
Flexibility	10%	78%	7.8%
Reliability	10%	79%	7.9%
Availability	10%	80%	8%
Consistency	10%	81%	8.1%
Transparency	10%	82%	8.2%
Accountability	10%	83%	8.3%
Responsiveness	10%	84%	8.4%
Proactivity	10%	85%	8.5%
Proactivity	10%	86%	8.6%
Proactivity	10%	87%	8.7%
Proactivity	10%	88%	8.8%
Proactivity	10%	89%	8.9%
Proactivity	10%	90%	9%
Proactivity	10%	91%	9.1%
Proactivity	10%	92%	9.2%
Proactivity	10%	93%	9.3%
Proactivity	10%	94%	9.4%
Proactivity	10%	95%	9.5%
Proactivity	10%	96%	9.6%
Proactivity	10%	97%	9.7%
Proactivity	10%	98%	9.8%
Proactivity	10%	99%	9.9%
Proactivity	10%	100%	10%

		Qualitative Technical Criteria Description							
1.	TECHNICAL INFORMATION		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)		Evaluation Scoring Breakdown		
						0	2	4	5
	1.1	The tenderer to submit proof of previous successfully executed scopes of supply and delivery works within the Years 2023 and 2024.	A complete reference to previous works executed in the past two (2) years including:  Signed Delivery note with proof of order and proof of delivery accepted and stamped by the Client	50	50	No reference to similar works executed provided.  -0%	Tenderer submits two (2) reference to a previous similar scope executed.  -40%	Tenderer submits reference to three (3) previous similar scopes executed.  -80%	Tenderer submits reference to four (4) or more previous similar scopes executed.  -100%



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	Quality Management System		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Evaluation Scoring Breakdown			
						0	2	4	5
2.	2.1	Submit proof of Quality Management System as per ISO9001:2005	NEC document Part 3: Scope of Work, Section 3	30	30	No Information Provided	Some information on the Quality Management System is Provided	Company's Detailed Quality Management System is Provided	Tenderers valid ISO Certification is provided. Or An equivalent Quality Management System in Place
	Assurance Requirements		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Evaluation Scoring Breakdown			
						0	2	4	5
3.	3.1	The warranty and guarantee of the supplied spares is provided.	NEC document Part 3: Scope of Work, Section 3	20	20	No Information Provided	Warranty and Guarantee information is provided with a minimum of 6 months for each component as per SOW.	Warranty and Guarantee information is provided with a minimum of 18 months for each component as per SOW.	Warranty and Guarantee information is provided with a minimum of 2 years for each component as per SOW.

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		<b>TOTAL = 100%</b>
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### **3.6 TET MEMBER RESPONSIBILITIES**

**Table 5: TET Member Responsibilities**

<b>Qualitative Criteria Number</b>	<b>TET 1</b>	<b>TET 2</b>	<b>TET 3</b>	<b>TET 4</b>
1	x	x	x	x
2	x	x	x	x
3	x	x	x	x

### **3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS**

#### **3.7.1 Risks**

**Table 6: Acceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
1.	The tenderer has a detailed quality management system in place but is not ISO accredited.

**Table 7: Unacceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
1.	The tenderer has no or poorly defined quality management system in place.
2.	No warranties or guarantees are provided.
3.	No provision of relevant experience related to the works.

#### **3.7.2 Exceptions / Conditions**

**Table 8: Acceptable Technical Exceptions / Conditions**

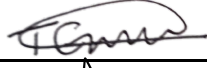


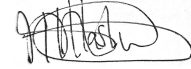
<b>Risk</b>	<b>Description</b>
1.	None.

**Table 9: Unacceptable Technical Exceptions / Conditions**

<b>Risk</b>	<b>Description</b>
1.	The provision of spares outside the requested technical specifications.

#### 4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Thulani Ndlovu	Mechanical Engineer-Auxiliary Engineering	
Shyne Munisi	Mechanical Engineer-Auxiliary Engineering	
Thabang Sehlare	Senior Mechanical Engineer-Auxiliary Engineering	
Macmillan Mashele	Senior Technician-Mechanical Maintenance Department	

#### 5. REVISIONS

Date	Rev.	Compiler	Remarks
October 2024	0	Thulani Ndlovu	Draft Document
October 2024	1	Thulani Ndlovu	First Revision

#### 6. DEVELOPMENT TEAM

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

- Thulani Ndlovu

#### 7. ACKNOWLEDGEMENTS

Not applicable.

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