

	<b>Strategy</b>	<b>Engineering</b>
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Title: **Kusile Power Station Tender  
Technical Evaluation Strategy  
for FGD Ball Mill Club 1 Spares  
Supply SOW**

Unique Identifier: **xxxx**

Alternative Reference Number: **N/A**

Area of Applicability: **Engineering**

Documentation Type: **Strategy**

Revision: **2**

Total Pages: **9**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED  
DISCLOSURE**

**Compiled by**

**Functional Responsibility**

**Authorised by**

.....

Date: ..... Date: ..... Date: .....

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## **1. INTRODUCTION**

FGD Redundancy Recovery team has been focusing on restoring the Ball mill systems as part of the required focus. Assessments were done on the ball mill to determine the required spares and The FGD Ball Mill club 1 spares forms part of the initial major spares required for the recovery. A detailed scope of work was developed for the spares supply. The scope of work will be used to go into the market and find a suitable contractor to do the works.

This document serves to indicate the technical evaluation criteria that will be used in order to evaluate suitable bidders for the supply of the required spares.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

The scope is to perform tender technical evaluation for the supply of the FGD ball mill club 1 Spares scope of work.

#### **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 shall apply to Kusile 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] ISO 9001 Quality Management Systems.
- [3] I00009-01703241170300-MEDES-3022-E1-Ball Mill - P&ID - Reagent preparation system (line 2)
- [4] I00009-01703241170300-MEDES-2122-B1-Ball Mill - Maintenance activities list (Alstom form filled-in) - Reagent preparation system
- [5] I00009-01703241170300-MEDES-2121-001-A-Reag\_Prep\_Sys\_O&M\_SECTION 1\_BALL\_MILL\_OIM.pdf
- [6] I00009-01703241170300-MEDES-2121-002-A-Reag\_Prep\_Sys\_O&M\_SECTION 2\_VIBRATING\_CONE\_OIM.pdf

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- [7] I00009-01703241170300-MEDES-2121-003-A-Reag\_Prep\_Sys\_O&M\_SECTION  
3\_WEIGH\_BELT\_OIM.pdf
- [8] I00009-01703241170300-MEDES-2121-004-A-Reag\_Prep\_Sys\_O&M\_SECTION  
4\_MILL\_TANK\_AGITATOR\_OIM.pdf
- [9] I00009-01703241170300-MEDES-2121-005-A-Reag\_Prep\_Sys\_O&M\_SECTION  
5\_CLASSIFIER\_FEED\_PUMP\_SYSTEM\_OIM.pdf
- [10] I00009-01703241170300-MEDES-2121-006-A-Reag\_Prep\_Sys\_O&M\_SECTION  
6\_CLASSIFIER\_SYSTEM\_OIM.pdf
- [11] I00009-01703241170300-MEDES-2121-007-A-Reag\_Prep\_Sys\_O&M\_SECTION  
7\_VALVES\_OIM.pdf
- [12] I00009-01703241170300-MEDES-2121-008-A-Reag\_Prep\_Sys\_O&M\_SECTION  
8\_FEED\_INSTRUMENTS\_OIM.pdf
- [13] The National Environmental Management Act, Act No 107, 1998

### 2.2.2 Informative

- [14] 32-421 - Eskom Life Saving Rules
- [15] 36-681 - Eskom Plant Safety Regulations

## 2.3 DEFINITIONS

Definition	Description
Contractor	Service provider contracted to provide a specific service to Eskom, Kusile Power Station and provide the required spare parts.
Employer	Eskom, Eskom Kusile Power Station or representative

### 2.3.1 Classification

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

## 2.4 ABBREVIATIONS

Abbreviation	Description
Aux	Auxiliary
DWTR/LMSTN	Dewatering/ Limestone
FA	Fly Ash
FGD	Flue Gas Desulphurisation
F/Oil	Fuel Oil
ITP	Inspection, Testing Plan
JB	Junction Box
PPE	Personal Protective Equipment
QCP	Quality Control Procedure

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Abbreviation	Description
SABS	South African Bureau of Standards
SANS	South African National Standards
U	Unit
WWTP	Waste-Water Treatment Plant

## **2.5 ROLES AND RESPONSIBILITIES**

As per 240-48929482: Tender Technical Evaluation Procedure

## **2.6 PROCESS FOR MONITORING**

As per 240-48929482: Tender Technical Evaluation Procedure

## **2.7 RELATED/SUPPORTING DOCUMENTS**

N/A

## **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 70%.

### **3.2 TET MEMBERS**

**Table 1: TET Members**

TET number	TET Member Name	Designation
TET 1		Auxiliary Senior Engineer
TET 2		Auxiliary Senior Engineer
TET 3		Senior Technician FGD
TET 4		Project Manager

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### 3.3 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.	None		

### 3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

**Table 3: Qualitative Technical Evaluation Criteria**

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	<b>Technical Information</b>			<b>80</b>	
	1.1	The <i>Contractor</i> shall provide proof of supply of Pumps and/or strategic spares in the form of Purchase Orders (minimum of 5 required)	Proof of orders	Mitigation of Risks	40
	1.2	Manufacturing and/or performance/Technical information Provide data sheets containing critical information such as but not limited to <ul style="list-style-type: none"> <li>Equipment sizes (length, height, width, Weight, etc)</li> <li>Equipment chemical composition (Material Composition)</li> <li>Classification</li> <li>Equipment performance (Curves, Specification etc)</li> </ul> Design and Operation conditions and ranges i.e. Temperatures, etc.	Provide data Sheets for each item as per Scope of Work line item	Mitigation of Risks	40
2.	<b>Delivery Times</b>			<b>20</b>	

	2.1	Supplier confirmation letter for delivery times as per each line item as per SOW	Provide a letter	Mitigation of Risks	20
				<b>TOTAL: 100</b>	

### 3.5 TET MEMBER RESPONSIBILITIES

**Table 4: TET Member Responsibilities**

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
N/A				
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X	X	X
2	X	X	X	X
Total				

### 3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

#### 3.6.1 Risks

**Table 5: Acceptable Technical Risks**

Risk	Description
1.	Alternative compatible ball mill parts.
2.	

**Table 6: Unacceptable Technical Risks**

<b>Risk</b>	<b>Description</b>
1.	Incompatible parts supply
2.	No submission of risk assessment, method statement, QCP/ITP

### **3.6.2 Exceptions / Conditions**

**Table 7: Acceptable Technical Exceptions / Conditions**

<b>Risk</b>	<b>Description</b>
1.	
1.	

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

<b>Risk</b>	<b>Description</b>
1.	
2.	



#### **4. AUTHORISATION**

This document has been seen and accepted by:

<b>Designation</b>	<b>Signature</b>
Auxiliary Senior Engineer	
Senior Technician Mechanical	
Auxiliary Senior Engineer	
Project Manager	
Auxiliary Engineering Manager	

#### **5. REVISIONS**

<b>Date</b>	<b>Rev.</b>	<b>Compiler</b>	<b>Remarks</b>
N/A			

#### **6. DEVELOPMENT TEAM**

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

- Engineers

#### **7. ACKNOWLEDGEMENTS**

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