

	Strategy	Engineering
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1. INTRODUCTION

FGD System has been struggling with the current installed sump pumps for over a year. The sump pumps are struggling to cope with the current slurry type being discharged. The collapse has resulted in the flooding of the underground cable tunnel which introduces station multiple unit shutdown risk. To remedy this, a detailed scope of work was developed for the alternative pump type to be use. 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 pumps.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope is to perform tender technical evaluation for the supply of the FGD drainage system pumps.

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

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Abbreviation	Description
JB	Junction Box
PPE	Personal Protective Equipment
QCP	Quality Control Procedure
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

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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.	Technical Information			80	
	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		35
	1.2	Pump curves and performance test certificates			10
	1.3	Provide pump data sheets containing critical information such as but not limited to: <ul style="list-style-type: none"> • Pump Power rating • Pump flow rates • Pump Performance curves • Classification • Pump seal type • Pump Material • Discharge pipe sizes Operation conditions and ranges i.e. Temperatures, etc.	Provide Pump data Sheet		35
2.	Delivery Times			20	
	2.1	Proof of availability of pumps and/or Supplier confirmation letter of the availability of the pumps	Provide a letter		20
				TOTAL: 100	

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X
Total				
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	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

Risk	Description
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

Risk	Description
1.	
1.	

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	
2.	

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature

5. REVISIONS

Date	Rev.	Compiler	Remarks

6. DEVELOPMENT TEAM

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

7. ACKNOWLEDGEMENTS

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