Eskom	Strategy	Medupi Power Station

Title:	**Medupi Power Station MPS 265 Mill Major Overhaul Tender Technical Evaluation Strategy**	Unique Identifier:	**241-2022448**
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Date: 2023/06/13	Date: 2023/06/13	Date: 2023-06-13

CONTENTS PAGE

TABLES

1. INTRODUCTION

The technical evaluation strategy if for refurbishment of grinding roller yoke assembly of a MPS265 vertical spindle mills.

2. SUPPORTING CLAUSES

2.1 SCOPE

This tender technical evaluation strategy refers to the services required for the refurbishment of grinding roller yoke assembly of MPS265 vertical spindle mill. The evaluation of each tender is conducted by appointed members of a technical evaluation team (TET). The criteria for the technical evaluation as part of this strategy includes:

a) Mandatory evaluation criteria
b) Qualitative evaluation criteria
c) Factory assessment evaluation criteria
d) TET member responsibilities
e) Acceptable and unacceptable qualifications

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria, Factory Assessment 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 is intended for, and shall be applicable to, Medupi Power Station. This document is applicable to all relevant stakeholders involved with the technical tender evaluation process for the MPS265 roller yoke assembly.

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] 240-143499237: Medupi Power Station MPS 265 Mill Major Overhaul Scope of Work
[3] ISO 9001 Quality Management Systems
[4] 32-1034: Eskom Procurement and Supply Chain Management Procedure
[5] 32-1033: Eskom’s Procurement and Supply Chain Management Policy

2.2.2 Informative

[6] 240-105658000: Quality Control Plans

2.3 DEFINITIONS

2.3.1 Classification

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

2.3.2 Tender

A tender refers to a written competitive offer, quotation or proposal made by the supplier in a prescribed or stipulated form in response to an invitation to tender/competitive enquire for provision of assets, goods or services and/or the disposal thereof.

2.4 ABBREVIATIONS

Abbreviation	Description
MPS	Mill Pendulum Bowl (translated from Germany to English)
QCP	Quality Control Plan
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

The tender technical evaluation is monitored as part of the Procurement process.

2.7 RELATED/SUPPORTING DOCUMENTS

[7] 240-53716746: Tender Technical Evaluation Report Template

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

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

3. TENDER TECHNCIAL EVALAUTION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is **80%**. If none of the tenders achieves this threshold, the minimum weighted final score will change to **75%**.

All Eskom Suppliers that pass the Mandatory and the Qualitative evaluations will be subjected to a

Factory assessment. The minimum weighted final score (threshold) for the factory assessment is **80%**.

3.2 TET MEMBERS

The TET members are a multi-disciplinary group of people who are appointed to conduct an individual technical evaluation of each tender. The list of TET members are to be reviewed and updated as often as the technical evaluation is required to be conducted. In the event that a TET member is unable to conduct a particular technical evaluation, a proxy of the same stature as that of the TET member must be delegated.

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Siya Kuzwayo	System Engineer: Mills
TET 2	Phuti Mashita	Senior Supervisor: Mills
TET 3	Kenneth Ndumo	System Engineer: Mills
TET 4	Joshua Lekoloane	Maintenance Manager: Boiler

3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

The mandatory technical evaluation criteria, also referred to as the Gate Keepers, are the criteria which must be met in order for the tender to be considered for further technical evaluation. If any of the mandatory technical criterion are not met, the tender is immediately disqualified from the technical evaluation and no further assessment (qualitative) will be done.

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Previous experience with regards to the major overhaul vertical spindle mills in the power plant industry	Similar services supplied to industry: Signed letter required stating specific services in industry containing traceable customer feedback, regarding the use and success of the services in industry.	To provide confidence level that the supplier can execute the scope
2.	ISO 9001: Quality management systems	Proof of current ISO 9001 certification	To ensure constant supply of quality components on time and auditable.
3.	The tenderer possesses a certified quality management system relevant to ISO 3834.	Proof of current ISO 3834 certification	Quality assurance
4.	Maintenance key performance indicators in line with BS EN15341	Provide a sample of recording maintenance KPIs in a financial year for a maintenance execution contract of a vertical spindle mill	To provide confidence level that the supplier is capable to drive maintenance continuous improvements

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

The qualitative technical criteria contains main criteria with sub-criteria. Each main criterion has a weighting towards the final technical score calculation. Each sub-criteria has a weighting towards the calculation of the main criterion.

Table 3: Qualitative Technical Evaluation Criteria

TECHNICAL EVALUATION CRITERIA		SUB-CRITERIA	EVIDENCE	SCORING CRITERIA	WEIGHTING
TOTAL WEIGHT (100%)	**COMPANY PROFILE (50%)**	Proven Experience in the Refurbishment of MPS265 or vertical spindle Mills with a throughput of 60Ton Per Hour and above	**Attach the following as proof:** 1. Company Profile with Company record proving technical expert works undertaken and organogram depicting company resources and following: 2. Contract number or Task Order with SOW OR 3. Purchase/Task order number with SOW OR 4. Completion certificate with SOW	1. No Company Profile Submitted experience/proof provided - **0%** 2. Consecutive/Non Interrupted Experience of 1 to 2 yrs - **40%** 3. Consecutive/Non Interrupted Experience of 2 to 3 yrs - **70%** 4. Consecutive/Non Interrupted Experience of 3 to 5 yrs - **90%** 5. Consecutive/Non Interrupted Experience of 5 yrs and above - **100%**	25%
		Proven Experience in the Refurbishment of MPS265 or vertical spindle Mills with a throughput of 60Ton Per Hour and above	**Attach the following as proof:** Signed reference letter from power station or project client indicating mill availability/unavailability after completion of project or end of contract (clear demonstration of the EAF/UCLF for one FY as minimum)	**UCLF of mills** 1. 0% - 100% 2. 0,1% - 1% - 80% scoring 3. 1 % - 2 % - 60% scoring 4. 2 %- 3 % - 40% scoring 5. 3% - 4% - 20% scoring 6. 4 % -5 % = 10% scoring 7. >5 % = 0% scoring 8. Non Submission = 0% scoring	25%

		Proven Experience in the commissioning of MPS265 Mills or vertical spindle Mills with a throughput of 60Ton Per Hour and above	**Attach the following as proof:** 1. Mill Standby Making and Commissioning check sheets 2. Mill Commissioning and Calibration Procedure 3. Commissioning Handover certificate signed by the Client after successful Mill Commissioning	1. No Commissioning proof provided - **0%** 2. Mill Standby Making and Commissioning check sheets Submitted **ONLY - 40%** 3. Mill Standby Making and Commissioning check sheets and Mill Commissioning and Calibration Procedure Submitted **ONLY - 80%** 4. Mill Standby Making and Commissioning check sheets, Commissioning check sheets and Mill Commissioning and Calibration Procedure and Commissioning Handover certificate signed by the Client after successful Mill Commissioning - **100%**	50%
	TOTAL WEIGHT				50%

	KEY PERSONNEL (50%)	Well experienced Site Manager with adequate track record and Managerial experience. Site Manager shall have experience working in the power station or related environment with contract management exposure - Site manager needs to have minimum National Diploma Mechanical Engineering Qualifications	Attach 1 X CV's with minimum National Diploma Mechanical Engineering Qualifications and relevant experience as proof (experience in the power station/MPS or Vertical Spindle mills) Submit certified proof of qualifications and Contactable references at least two per CV	Not Satisfactory - No CV and/or proof Qualifications and experience submitted - **0%(0%)** Satisfactory - Minimum National Diploma Mechanical Engineering Qualifications with proof and 1 year experience - **40%** Good - National Diploma Mechanical Engineering with 3+ Yrs Mechanical Scope related Background - **60%** - 2+ yrs Managerial/Supervisory experience - **plus 10%(70%)** Very good - National Diploma Mechanical Engineering with 4+ Yrs Mechanical Scope related - **80%** 3+ yrs managerial experience - **plus 20%(100%)**	25%

		Well experienced Mechanical Supervisor/s with adequate track record and Supervisory experience in MPS265 or vertical spindle Mills Supervisor to have minimum N6 Mechanical Engineering Qualification and Trade Test Certificate	Attach 1 x CV's with reference letters and Contactable references Submit certified proof of qualifications minimum N6 Engineering Qualification and Trade Test Certificate	Not Satisfactory - No CV and/or proof Qualifications and experience submitted - 0%(0%) Satisfactory - minimum N6 Engineering Qualifications with proof - 40% NQF 7 Mechanical Engineering Qualifications with proof - 50%(50%) Good - 3+ Yrs Mechanical Scope related Background - plus 10% 2+ Yrs Supervisory experience - plus 10%(70%) Very good - 4+ Yrs Mechanical Scope related - plus 10% 3+ yrs supervisory experience - plus 20%(100%)	20%

		Mechanical Artisans (e.g., Mechanical Fitters, Riggers, Welders, Boilermaker, etc) with N3 Mechanical Engineering Qualification and Trade Test Certificate and experience relating to scope of work	Attach CV's with minimum N3 Mechanical Engineering certified Qualifications plus Trade Test certificate as proof	Not Satisfactory - No CV and proof Qualifications and experience submitted - 0%(0%) Satisfactory - minimum N3 Engineering Qualifications with proof and Trade Test- 50% Good - 3+ Yrs Mechanical Background - plus 10%2+ yrs Mechanical Scope Related Background -10%Mechanical Scope Related Background - plus 10%(70%) Very good - 4+ Yrs Mechanical Background - plus 10%3+ yrs Mechanical Scope Related Background - plus 20%(100%)	15%

	Mill Calibrations and Commissioning Resources (Commissioning Supervisor and 2 C&I Technicians)	Attach 3 x CV's with National Diploma Control and Instrumentation Engineering to undertake the Mill Calibration and Commissioning during RTS	Not Satisfactory - No CV and proof Qualifications and experience submitted - 0%(0%) Satisfactory - National Diploma C&I Engineering Qualifications with proof - **50%** Good - National Diploma Instrumentation with 3+ Yrs Background Exp - **60%** - 2+ yrs with Scope Related Background - **Plus 10% (70%)** Very good - National Diploma Instrumentation with 4+ Yrs Background Exp - **80%** 3+ yrs Scope Related Background - **plus 20%(100%)**	10%

		SHE Officer to have minimum National Diploma in Safety Management, Valid registration with OHS Professional Bodies (SIOSH , SAIOH or SACPMP) as a candidate or registered professional. Certified Qualification and certificates to be provided as proof	Attach 1 X CV's with National Diploma in Safety Management. SHE Officer to be registered with OHS Professional Bodies (SIOSH , SAIOH or SACPMP) as a candidate or professional as proof. SHE officer to have Environment background. Submit proof of qualifications and valid registration certificate. Contactable references at least one	Not Satisfactory - No CV and proof of Qualifications and Valid OHS Professional Bodies (SIOSH , SAIOH or SACPMP) certificate or proof of registration as a candidate submitted - 0%(0%) Satisfactory - National Diploma in Safety Management - 40% Copy of Valid OHS Professional Bodies (SIOSH , SAIOH or SACPMP) certificate or proof of registration as a candidate- 60% Good - National Diploma in Safety Management with 2-3 yrs SHE Scope related Background - plus 10% Environmental background - plus 10% Very good - National Diploma in Safety Management 4+ Yrs SHE related experience - plus 20%	15%
		Well experienced QC Co-Ordinator with Level 2 Inspector Citification and adequate track record and minimum 2 years	Attach CV's with certified copies of qualifications (Level 2 Inspector Certification) Technical Background and Certificate in as proof	1. Level 2 Inspector certification and 2+ Yrs Mechanical Background - 70% 2. Level 2 Inspector certification and 2+ Yrs Scope related Experience - 80% 3. Level 2 Inspector certification and 4+ Yrs Scope Related Experience - 100%	15%
	TOTAL WEIGHT				50%

Table 4: Qualitative Evaluation Criteria Table

Score	(%)	Definition
5	100	**COMPLIANT** • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements
4	80	**COMPLIANT WITH ASSOCIATED QUALIFICATIONS** • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions.
3	60	**PARTIAL-COMPLIANT** • Less than 10% outside technical requirement(s);
2	40	**NON-COMPLIANT** • Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.
0	0	**TOTALLY DEFICIENT OR NON-RESPONSIVE**
Note 1: The scoring table does not allow for scoring of 1 **Note 2**: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.		

3.5 TET MEMBER RESPONSIBILITIES

Table 5: 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
5	X	X	X	X
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

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	**Supplier tender has not supplied previously to Eskom**
2.	

Table 7: Unacceptable Technical Risks

Risk	Description
1.	
2.	

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	**None**
2.	

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	**The tenderer is not ISO 3834 certified**
2.	**The tenderer is not ISO 9001 certified**
3.	

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Bernard Matanda	Senior Advisor Engineering
Siya Kuzwayo	System Engineer: Mills
Benji Rahlogo	Chief Technologist
Joshua Lekoloane	Boiler Maintenance Manager
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5. REVISIONS

Date	Rev.	Compiler	Remarks
May 2023	0	K.N. Ndumo	New Document
June 2023	1	K.N. Ndumo	Development of the criteria for the tender technical evaluation of the grinding rollers

6. DEVELOPMENT TEAM

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

- N/A