Eskom	Strategy	Engineering

Title:	**Medupi Power Station Scope of work – Burner Fuel Pneumatic Cylinder for the burner system**	Unique Identifier:	**240-**
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Compiled by	**Functional Responsibility**	**Authorised by**
……	……	……
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Date:25/08/2023 ……	Date: 25/08/2023 ……	Date: 25/8/2023 ……

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TABLES

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1. INTRODUCTION

The reliability and availability of the Burner system, in general, is a concern for Medupi Power station due to unplanned downtime, and it has contributed to production risks on the Units. Initiatives to improve the reliability and availability of the Boiler Plant, burner system amongst others includes, placing spares supply and refurbishment contracts to ensure continuous improvement of the Energy Availability Factor (EAF).The pneumatic cylinders(1-6 HJA11-56 AS001) form part of the combustion safety equipment therefore such equipment should be maintained and spares should be available at all material times to minimise plant downtime. The pneumatic cylinders form part of combustion equipment as per FFFR therefore its reliability is essential.
This document will describe the scope of work required for this contract.

2. SUPPORTING CLAUSES

2.1 SCOPE

The document describes the acceptable and unacceptable risks and qualifications and /or conditions.

The Tender Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation criteria
- Qualitative Evaluation criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

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 Tender Evaluation Team for Regulators in accordance with the authorised procurement strategy.

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] <241-202228: Medupi Power Station Scope of Work for the supply of Regulators : add scope of work>

2.2.2 Informative

[3] NEC 3 Supply Contract

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2.3 DEFINITIONS

2.3.1 Classification

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

2.3.2 **Mandatory Evaluation criteria:** (gatekeepers) are 'must meet' criteria

2.3.3 Qualitative Evaluation criteria: are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met.

2.4 ABBREVIATIONS

Abbreviation	Description
NEC	New Engineering Contract
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

N/A as per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

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3. TENDER TECHNCIAL 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 80%.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Chrisprior Madonsela	Senior Engineer
TET 2	Lindelani Mphohoni	Technician Maintenance
TET 3	James Mashao	Risk and Reliability Engineer
TET 4	Phuti Mashita	Snr Supervisor Tech Maintenance

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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.	Technical Datasheet on all the lines	2.1 on the Technical Requirements	The equipment that form part of this contract are combustion safety equipment's therefore it is essential that the supplier provides correct Datasheets against each, and every line or SAP no. Installation of incorrect spares may lead to a violation of FFFR. Maintenance of these equipment is important to ensure compliance to FFFR. Provision of the technical documents is a sign that the supplier has knowledge on all the components to avoid cancellation of line items due to under quoting which is a contract violation.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

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.
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 and 3.
Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.
Note 3:The other points will either score 0 or 5 with no scoring in between the min and maximum value

Table 3: Qualitative Technical Evaluation Criteria

***Minimum score of 75% to be attained (Mandatory score)**

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	**Supplier experience and capabilities**			**30%**	
	1.1.	**Acknowledgement from the OEM or relevant manufacturer**	Authorised Letter or Certificate from OEM or relevant manufacturer,		**70%**
				Authorised Letter or relevant documentation	100% = 5
				No Authorised Letter or relevant documentation	0% = 0
	1.2	**Proof of experience on cylinders refurbishment/supply**	Relevant documentation for proving supplier experience i.e. cylinder manufacturing, cylinder maintenance, supply contract, Reference letter, delivery note Purchase order etc.		**30%**
				More than 4 references	100% = 5
				Less than 3 references	80% = 4
				More than 2 less than 1	40% = 2
				0	0% = 0

2.	**Technical requirements**			**50%**	
	2.1	**Data sheets cylinder**	• Technical specifications • Certificates • Operational manuals • Drawings • Other relevant documentation		**10%**
				Data sheets with relevant and correct documentation for all Spares	100% = 5
				No Data sheets with relevant documentation for all or partial Spares	0% = 0
	2.2	**Method statement of refurbishment of the Pneumatic cylinder**	• Relevant Method statement		**20%**
				Correct method statement	100%=5
				No/inadequate method statement	0%=0
	2.3	**QCP for the Refurbishment of Cylinder**	• Detailed QCP		**10%**
				Correct QCP	100%=5
				No/inadequate QCP	0%=0
	2.4	**Pressure test procedure including calibration certificate of equipment used**	• Pressure test procedure • Calibration certificate		**10%**
				Pressure test procedure and Calibration certificate	100%=5
				No Submission of relevant documents	0%=0
3.	**Supplier delivery**		• Delivery Schedule • Lead time schedule	**10%**	
				Minimum 5 weeks	100% = 5
				More than 7 weeks	80% = 4
				More than 10 weeks	40% = 2
				More than 15 weeks	0% = 0
4.				**10%**	

	Technical personnel, knowledgeable about the scope of work.	• Curriculum vitae • Relevant Technical qualification i.e. Mechanical/Electrical/Instrumentation	CV,Relevant qualification and 3 year experience	100% = 5
			CV,Relevant qualification and 2 year experience	80% = 4
			CV,Relevant qualification and 1 year experience	40% = 2
			CV,Relevant qualification and No experience	0% = 0
			TOTAL: 100	

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1				
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 5: Acceptable Technical Risks

Risk	Description
1.	**N/A**

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Technical specification that does not meet the scope of work

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Declining to provide technical details accurately deemed intellectual proprietary
2.	In case of an obsolete specification, the supplier may provide proof from the manufacturer about obsolescence and new data sheets for the new specification will be acceptable.

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification not accepted.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Lindelani Mphohoni	Technician Maintenance
Phuti Mashita	Snr Supervisor Tech Maintenance
Chrisprior Madonsela	Snr Engineer

5. REVISIONS

Date	Rev.	Compiler	Remarks
October 2022	0	Chrisprior Madonsela	Technical evaluation for supply of spares

6. DEVELOPMENT TEAM

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

Chrisprior Madonsela

Phuti Mashita

Lindelani Mphohoni

7. ACKNOWLEDGEMENTS

Benji Rahlogo

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