Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation Strategy For Kendal Unit 3 – Primary Air Heater tubes Supply 16M long**

Unique Identifier:	**xx**
Alternative Reference Number:	**N/A**
Area of Applicability:	**Engineering**
Documentation Type:	**Strategy**
Revision:	**0**
Total Pages:	**12**
Next Review Date:	**N/A**
Disclosure Classification:	**CONTROLLED DISCLOSURE**

Compiled by	Approved by.	Authorised by
		
……	……	……
Thengi Molotsi	**Jesse Eganza**	**Tendani Rasivhetshele**
Senior Engineer – Boiler	**Boiler Snr Engineering**	**Boiler Engineering Manager**
Date: 24/11/2023	Date: 23/11/2023	Date: 23/11/2023

CONTENTS

TABLES

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

1. INTRODUCTION

Tubular Air heaters are used in power stations to recover heat from the flue gas stream that exit the boiler. This heat is transferred to the primary and secondary air streams which improve boiler efficiency considerably.

Primary air-heaters are sized to give sufficient air temperature increase to dry the coal in the mills, volume to ensure adequate pa/pf velocity in pf piping and to ensure proper burner operation and combustion efficiency.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document defines the technical criteria used to evaluate the tender documents. The document also describes the acceptable and unacceptable technical risks that are identified and where exceptions will be allowed it is stated.

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 Kendal 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.

[1] 240-48929482: Tender Technical Evaluation Procedure

[2] 32-1034: Eskom Procurement and Supply Chain Management Procedure

[3] 30-1033: Eskom Procurement and Supply Chain Management Policy

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
PAH	Primary Air heater

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

Abbreviation	Description
TAH	Tubular Air Heater
N/A	Not Applicable
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

3. TENDER TECHNICAL EVALUATIONSTRATEGY

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	Thengi Molotsi	Draught Plant System Engineer
TET 2	Tendani Rasivhetshele	Boiler Engineering Manager
TET 3	Mzwandile Madolo	Project Manager

CONTROLLED DISCLOSURE
When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

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.	Supply a 16-meter-long tube samples (Carbon steel ASTM A-106 grade B, Seamless according to the given specification and material certificate to the Employer and to be delivered within three weeks after Tenders Closed.	Technical Specification	
2.	Provide at least a project completed which are related to the procurement, fabrication, supply, delivery to site and off-loading of Primary Air Heater Tubes (Carbon steel ASTM A-106 grade B,16m long, Seamless, OD=63,5mm Zero tolerance, thickness =2.03mm with a contactable reference for each project or signed off completion certificate.	Tender Returnable	

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

The following section will be the prompts used for scoring the tender returnable

Table 3: Qualitative Evaluation Criteria Scoring 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.
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**

Table 4: Qualitative Technical Evaluation Criteria

Items	Evaluation criteria	Scoring	Weight
1.	**Detailed Packaging methodology for longer outside storage**		**40**
	Method statement without risks, which shows only how the tubes will be packaged.	0	
	Method statement that is not logical in terms of how risk will be managed but shows risk of damaged to the tubes	4	
	Detailed Packaging methodology for longer outside storage that stipulates how the tubes will be packaged, outlines the risk in details. Show understanding of the process	5	
2.	**Programme** Program that indicates duration of delivery to site within 90 days or less from the day Contract awarded or Purchase Order received. Programme to be submitted in Ms project shall indicate detailed delivery program with clear milestones and activities.		**30**
	Program that is not according to the required tubes. Milestones, activities are not clear and is more than 90 days	0	
	Detail program with clear milestones and activities within 90 days delivery.	5	
3.	**Comprehensive Quality Control Plan**		**30**
	Inadequate QCP/ITP without showing the manufacturing processes control points logically and systematically	0	
	QCP/ITP without showing the manufacturing processes control points logically and systematically but has intervention points	4	
	Comprehensive Quality Control Plan (QCP/ITP) stipulating the manufacturing processes control points and its logically and systematically with intervention points	5	

	Total Weighting:		**100%**
	Minimum qualifying score required:	**80%**	

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1			
2			
3			
4			
5			
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**
1	X	X	X
2	X	X	X
3	X	X	X
4	X	X	X
	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	None
2.	

Table 7: Unacceptable Technical Risks

Risk	Description
1.	The tendering entity has no previous experience of this kind of work
2.	The tendering entity has no rigging experience as required
3.	

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	All requirements must be adhered to.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Thengi Molotsi	Draught Plant System engineer	
Tendani Rasivhetshele	Boiler Engineering Manager	
Mzwandile Madolo	Project Manager	
Jesse Eganza	Senior Engineer	

5. REVISIONS

Date	Rev.	Compiler	Remarks
November 2023	0.0	Thengi Molotsi	Review

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.