Eskom	Strategy	Kendal Engineering

Title	**Kendal Power Station Ducting Tender Technical Evaluation Strategy for Ducting SOW for 5 years Contract**	Unique Identifier.	**02**
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Compiled by	Supported by	Authorised by
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Date 15/12/2020	Date. 15/12/2020	Date 17/12/2020

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TABLES

1. INTRODUCTION

Kendal Power Station Ductings are used to deliver air to the boiler for combustion and to exhaust combustion gases from the boiler to the ash handing system Overtime the ductings are eroded by the fly ash flowing through and the integrity of the ducting walls and floors is compromised by holes and thinned out material This material needs to be reinstated to ensure generating assurance

2. SUPPORTING CLAUSES

2.1 SCOPE

This document refers to the Supplier Technical Evaluation for the contract to repair the ductings for Kendal Power station The strategy lists different aspects that will be evaluated and scored by the multi-disciplinary Technical Evaluation Team (TET) to complete the technical evaluation of the enquiry The team members are listed and appointed in this document along with their responsibilities The document also describes the acceptable and unacceptable risks and qualifications and/or conditions

The Technical Evaluation Strategy will define the following technical evaluation criteria

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

Once the Technical Evaluation Strategy is finalised and authorised for issue to market, no changes will be made to the evaluation criteria

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 procurement of a service provider for the Refurbishment and repair of the ductings at Kendal power station

This Technical Evaluation Strategy is applicable to the evaluation of service providers who are fabricators/Repairers of ductings for Coal Fired power stations

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] 32-1034 Eskom Procurement and supply chain management procedure

2.2.2 Informative

[3] ISO 9000 Quality Management System

2.3 DEFINITIONS

SCORE	PERCENTAGE	DESCRIPTION
5	100%	Exceeds Power stations Requirements demonstrates exceptional and technical ability, no errors, weaknesses or omissions
4	85%	Meets Power stations Requirements no errors, risks, weaknesses or omissions
3	70%	Marginally does not meet Power Stations Requirements some minor errors, risks, weaknesses or omissions which can be corrected or overcome with negotiation and minor cost impact
2	35%	Substantially does not meet Power Stations Requirements many errors, risks, weaknesses which may be difficult to be correct or overcome and make acceptable
1	0%	No achievement of Power stations Requirements existence of numerous errors, risks, weaknesses or omissions which cannot be corrected
0	0%	Totally deficient / non-responsive*

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
TET	Technical Evaluation Team
OEM	Original Equipment Manufacturer
AEM	Alternative Equipment manufacturer
C&I	Control and Instrumentation

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482 Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

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 80%

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Jesse Eganza	Snr Engineer
TET2	Tendani Rasivhetshele Pr Eng	Boiler Eng Manager
TET3	Jacob Zwane	Snr Engineer
TET4	Thengi Molotsi	System Engineer

3.3 MANDATORY 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	N/A		

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		**General**		**10**	
	1 1	The Tenderer Provides Proof of Ducting Repair/Refurbishment Related Experience that he has done Or Mechanical Related welding experience Submit signed letter or contract if the work was don't in Eskom as a proof	Supply reference list containing all the required fields stipulated in the mandatory item description		100
					50
2		**Repairs Method**		**30**	

	2 1	The Tenderer submits detailed execution method statement according to Ducting Scope • Overlaying • Window patching • Method to replace the rubber expansion joints			100
		• Method statement that is not according to scope = 1 • Method statement that is according to scope, addresses only tech know how = 2 • Method that is according to scope, addresses technical - know how, safety, environmental= 3 • Detailed Method statement that is according to scope, addresses technical-know how, safety, environmental, quality and logical and written neatly and = 5			
3		**Quality**		**20**	
	3 1	The Tenderer Submits their own detailed QCPs/ ITPs critical elements involved in the Ducting Refurbishment/Repair • QCP/ITPs that is not according to the ducting scope issued /old ducting scope signed etc =1 • QCP/ITPs that is according to the ducting scope issued with only tenders intervention points = 3 • QCP/ITPs that is detailed according to the ducting issued scope and has relevant intervention points for you and clients quality and Engineering = 5	Quality Control Plans to comply with 240-105658000 Quality control plans to demonstrate details to present Inspection interventions for its own and client verifications, and must include the demonstration of use of Inspection specification references and Inspection check-sheets		70
	3 2	Valid ISO 9001 valid certificate or proof that the process is in place	Demonstrate basics and experience		30
4		**Planning**		3440	

	4 1	The tenderer submits a detailed project plan for the Ducting repair Scope of work supplied in the Works Information The Scope of work Refurbishment Program must fit into a maximum time frame of 30 days from permit issue • Project plan that is not executable with no mile stones and not according to scope and is within >35 days = 2 • Detailed project plan that is executable with well-defined mile stones and is within 35 days = 3 • Detailed project plan that is executable according to the scope with well-defined mile stones and is within 30 days = 5	Submission of a detailed program covering the stipulated details		100

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 1	X	X	X	X
1 2	X	X	X	X
2 1	X	X	X	X
2 2	X	X	X	X
2 3	X	X	X	X
3 1	X	X	X	X
3 2	X	X	X	X
3 3	X	X	X	X
4 1	X	X	X	X
4 2	X	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1	The contractor is experienced in complex steel fabrication

Table 6: Unacceptable Technical Risks

Risk	Description
1	Contractor has no experience with ducting refurbishment/repair

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1	None

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1	The tenderer has no welding accreditation
2	The tenderer has no Skills

4. AUTHORISATION

This document has been seen and accepted by.

Name	Designation	Signature
Malibongwe Mabizela	Kendal Engineering Manager	
Bonga Mashazi	Technical Plant Manager	
Herman Van Der Westhuizen	Maintenance	
Itumeleng Mogale	Outages	

5. REVISIONS

Date	Rev.	Compiler	Remarks
N/A	0 1	Jesse Eganza	

6. DEVELOPMENT TEAM

The following people were involved in the development of this document

Tendani Rasivhetshele Pr Eng

Jesse Eganza Pr Eng

Thengi Molotsi

7. ACKNOWLEDGEMENTS