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1. INTRODUCTION

The current dust suppression system in the ash dump is not efficient due to numerous leaks and failures in the system. The use for galvanized pipes has been identified as one of the reason of failures in the system. Kendal power station has opted to upgrade the system and move away from galvanize pipes to HDPE. A Contractor is required to supply and install the new HDPE system which will comprise of both sprays and cannons required to control the dust in ash dump and maintain the prescribed limit.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of work entails the supply and installation of a 600m dust suppression HDPE pipeline to replace the existing galvanised line. The line will be installed in accordance with the existing dust suppression layout.

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 Kendal Power Station only.

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] 32-1034 Eskom Procurement Policy
- [4] Scope of Works for the repair of damaged pipe from the clean dam in the valve chamber at Kendal Power Station

2.3 DEFINITIONS

Definition	Description
Tender	A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
CoE	Centre of Excellence
EDWL	Engineering Design Work Lead
LDE	Lead Discipline Engineer
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

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

2.6 PROCESS FOR MONITORING

None

2.7 RELATED/SUPPORTING DOCUMENTS

None

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION METHOD

A weighted score-card approach is used to evaluate the technical compliance of the tenders against the specifications. Tenderers need to have a weighted score of 75% overall or more to technically qualify for further evaluation.

The technical criteria and weighting is broken down as follows.

- a) Engineering 100%

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The evaluation of the tender submission will be based on the tenderer's ability to meet the Engineering requirements. A weighted score card approach will be used to evaluate the tender submission against the specifications and Employer's requirements.

The scoring method will be as follows

SCORE	PERCENTAGE	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none">• Meet technical requirement(s) AND,• No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none">• Meet technical requirement(s) with,• Acceptable technical risk(s) AND/OR,• Acceptable exceptions AND/OR;• Acceptable conditions
2	40	NON-COMPLIANT <ul style="list-style-type: none">• 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

The evaluation scores will be weighted as follows according to disciplines

Engineering (100%)	
Engineering	100%
TOTAL (100%)	
Overall minimum threshold for qualification (75%)	

3.2 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 75%

3.3 TET MEMBERS

The full time core technical evaluation team will consist of the following team members (in-line with the Tender Engineering Evaluation Procedure, 240-48929482) in Table 1.

3.4 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

A CIDB rating of 2 ME is Mandatory, however this will be evaluated under the commercial section

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Mechanical Engineering			100	
	1.1	<p>Proposed organograms and CV's of key personnel (Site Manager) Welder to each have minimum of 5 years' experience in the construction of similar projects (HDPE welding) Demonstrate understanding of ISO 21307. Edition 1 (2009) Butt fusion jointing procedures for PE pipes and fittings used in the construction of gas and water distribution systems</p> <p>I. Demonstrate how many proposed key personnel have worked on similar projects.</p> <p>II. Demonstrate that each of the proposed key resources have a minimum of 5 years' experience</p> <p>III Demonstrate that key resources have the necessary qualifications required to execute the scope</p> <p><u>Scoring</u></p> <ul style="list-style-type: none"> Key Resources have relevant certification and qualification > 5 years in the relevant field = 5 	As per the List of Technical Tender Returnables		20

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		<ul style="list-style-type: none"> • Key Resources have relevant certification and qualification with 3 – 5 years' relevant experience in the relevant field = 4 • Key Resources have relevant certification and qualification with 1 – 2 years' relevant experience in the relevant field = 2 • Key resources do not have relevant certification and qualification = 0 			
	1 2	<p>Method statement for the works detailing installation methodology, which demonstrates understanding and compliance with the full scope of work.</p> <p><u>Scoring</u></p> <ul style="list-style-type: none"> • Method statement details fully how scope will be met and provides comprehensive methodology of approach for supervision and close-out = 5, • Method statement describes how scope will be met and includes minor details on approach for supervision and close-out = 4, • Method statement does not contain methodology of approach but contains high level descriptions of how construction supervision will be conducted OR Technical proposal reiterates scope of works = 2 • No submission made = 0 	As per entire Works Information		40
	1 3	<p>Relevant company experience (track record) Has the Tenderer submitted a list of traceable references which adequately proves that the Tenderer has</p>	As per the List of Technical Tender Returnables <i>"Relevant company experience (track record) i.e. List of traceable</i>		30

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		<p>completed at least two (2) contracts successfully of similar scope in the last five (5) years?</p> <p>References include the following as a minimum</p> <ul style="list-style-type: none"> • Project name • Client • Description of work performed • Project cost (only for scope performed) • Project start and end date <p>Name, designation and contact number of reference person</p> <p><u>Scoring</u></p> <ul style="list-style-type: none"> • Two (2) contracts over the past five (5) years = 5 • One (1) Contract in the past five (5) years = 4 • One (1) contract in the past ten (10) years only = 2 • No previous experience = 0 	<p><i>references which adequately proves that the Tenderer has at least completed two (2) contracts successfully of similar scope in the last five (5) years"</i></p>		
	1.4	<p>Has the tenderer has provided a programme showing activities of all the project work to be done by the contractor</p> <p><u>Scoring</u></p>			10

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		<ul style="list-style-type: none">• Program submitted and covered the entire scope = 5• Program submitted with minimum scope omitted = 4• Program submitted with most of the scope omitted = 2• No Program = 0			
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FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

It is anticipated that various risks, exceptions and conditions will be identified during the clarification and those will be considered and evaluated individually to determine whether they are acceptable, unacceptable mitigation measures can be agreed upon.

APPENDIX A: LIST OF TENDER TECHNICAL RETURNABLES

- **Mandatory**

A CIDB rating of 2 ME is Mandatory, however this will be evaluated under the commercial section

- **Qualitative**

Item	Title	Details
1 1	CV's & qualifications of key personnel	Item identifies relevant qualification and experience profile to demonstrate level of experience of resource
1 2	Method statements	Item identifies approach to the requested scope of works and assists in evaluating the method which will be applied by the professional individual to assess and report on the scope of works
1 3	Relevant experience	Experience profile to demonstrate level of experience of the tenderer
1 4	Program	Items identifies if the tenderer has scoped for the entire works and within the required timeframe for execution