Eskom	Strategy	Engineering

Title: **Conveyor Chute Repairs and Ceramic Tiling of Conveyor Chutes, Flopper Gates, V-Ploughs, Ash Sluiceways, Mill Internal Classifiers, PF Pipes and PF Burners for a Period of 3 years Technical Evaluation Criteria.**

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CONTENTS

Page

1. INTRODUCTION 3

1.2 SCOPE 3
1.2.1 Purpose 3
1.2.2 Applicability 3
1.3 NORMATIVE/INFORMATIVE REFERENCES 3
1.3.1 Normative 3
1.4 DEFINITIONS 4
1.4.1 Classification 4
1.5 ABBREVIATIONS 4
1.6 ROLES AND RESPONSIBILITIES 4
1.7 PROCESS FOR MONITORING 4
1.8 RELATED/SUPPORTING DOCUMENTS 4

2. TENDER TECHNCIAL EVALAUTION STRATEGY 5

2.1 TECHNICAL EVALUATION THRESHOLD 5
2.2 TET MEMBERS 5
2.3 MANADATORY TECHNICAL EVALUATION CRITERIA 6
2.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA 7
2.5 TET MEMBER RESPONSIBILITIES 11
2.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS 12
2.6.1 Risks 12
2.6.2 Exceptions / Conditions 12

3. REVISIONS 13

4. DEVELOPMENT TEAM 13

5. ACKNOWLEDGEMENTS 13

TABLES

Table 1: Qualitative Evaluation Criteria Scoring Table 5
Table 2: TET Members 5
Table 3: Qualitative Technical Evaluation Criteria 9
Table 4: TET Member Responsibilities 11
Table 5: Acceptable Technical Risks 12
Table 6: Unacceptable Technical Risks 12
Table 7: Acceptable Technical Exceptions / Conditions 12
Table 8: Unacceptable Technical Exceptions / Conditions 12

1. INTRODUCTION

The Tender Technical Evaluation Strategy has defined the mandatory and qualitative evaluation criteria which serve as a basis for the technical evaluation process. This document covers the different aspects that will be evaluated by the technical evaluation team (TET) to complete the technical evaluation with regards to the conveyor chute repairs and ceramic tiling of the conveyor chutes, flopper gates V-ploughs, ash sluiceways, mill internal classifiers, PF pipes and PF burners.

The scope includes but not limited to the following[3]:

- The *Contractor* shall provide a qualified and competent team with all the necessary equipment (including tools and spares) to do chute repairs and ceramic tiling of conveyor chutes, flopper gates, V-ploughs, ash sluiceways, mill internal classifiers, PF pipes and PF burners.
- Call-outs by Camden shall be done telephonically and the Contractor is expected to report to site with three hours for emergency work, otherwise at the time given by the client for all pre-planned work.

1.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the Technical Evaluation Team (TET) to complete the technical evaluation with regards to the conveyor chute repairs and ceramic tiling of the conveyor chutes, flopper gates V-ploughs, ash sluiceways, mill internal classifiers, PF pipes and PF burners. The TET 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. Once the Technical Evaluation Strategy is authorised no changes will be made to the evaluation criteria without appropriate authorisation.

1.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and Technical Evaluation Team (TET) member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

1.1.2 Applicability

This document is applicable all interested parties with regards to the conveyor chute repairs and ceramic tiling of the conveyor chutes, flopper gates V-ploughs, ash sluiceways, mill internal classifiers, PF pipes and PF burners at Camden Power Station.

1.1.3 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

1.1.4 Normative

[1] 240-168966153: Generation Technical Tender Evaluation Procedure

[2] 32-1034: Eskom Procurement Policy

[3] 240-129953822: Conveyor Chute Repairs and Tiling of Flopper gates, V-Ploughs, Chutes and Ash Sluice ways Scope of Work

1.1.5 Informative

N/A

1.2 DEFINITIONS

1.2.1 Classification

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

1.3 ABBREVIATIONS

Abbreviation	Description
TET	Technical Evaluation Team
PF	Pulverized Fuel
CV	Curriculum Vitae

1.4 ROLES AND RESPONSIBILITIES

As per 240-168966153 Generation Technical Tender Evaluation Procedure

1.5 PROCESS FOR MONITORING

N/A

1.6 RELATED/SUPPORTING DOCUMENTS

N/A

2. TENDER TECHNCIAL EVALAUTION STRATEGY

2.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

Table 1: 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**
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.		

2.2 TET MEMBERS

Table 2: TET Members

TET Number	TET Member Name	Designation	Signature
TET 1	Doctor Masuku	Boiler System Engineer	
TET 2	Yamkela Mgwebi	Auxiliary System Engineer	
TET 3	Patrick Shange	Senior Supervisor – Maintenance (Common Plant)	
TET 4	Nkosinathi Khumalo	Senior Supervisor – Maintenance (Boiler)	

2.3 MANADATORY TECHNICAL EVALUATION CRITERIA

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable
1.	CIDB grade 7ME	Submit a Valid CIDB 7ME certificate
2.	Supervisor Qualification	Submit a Certified copy of Mechanical Trade Test qualification
3.	Boiler-Maker Qualification	Submit a Certified copy of Boiler Maker Trade Test qualification

2.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

QUALITATIVE TECHNICAL CRITERIA DESCRIPTION	REFERENCE TO TECHNICAL SPECIFICATION / TENDER RETURNABLE	CRITERIA WEIGHTING (%)	CRITERIA SUB WEIGHTING (%)	SCORE SCALE			
				FLOOR	**KICK IN**	**AVERAGE**	**CEILING**
CRITERIA 1: TECHNICAL		**40**		**0=0%**	**2=40%**	**4=80%**	**5=100%**
1.1 Technical experience in wear protection ceramic tiling of industrial equipment e.g., Coal Chutes, Ash sluiceways, Mill Internal Classifiers, PF Pipes or PF burners.	1.1.1 Supply 3 references of previously completed work in wear protection ceramic tiling of industrial equipment. The reference list must consist of the following information: • Description of the work performed • Signed Completion Certificate with: ➢ Name of company where project was executed ➢ Project Description ➢ Construction period ➢ Contact Person **NB**. Reference list must be verifiable		50	Totally Deficient or Non-responsive	One completion certificate submitted	Two different completion certificates submitted .	Three different completion certificates submitted

1.2 Technical experience in Conveyor Chute Repairs.	1.2.1 Supply 3 references of previously completed work in conveyor chute repairs. The reference list must consist of the following information: • Description of the work performed • Signed Completion Certificate with: ➢ Name of company where project was executed ➢ Project Description ➢ Construction period ➢ Contact Person **NB**. Reference list must be verifiable		50	Totally Deficient or Non-responsive	One completion certificate submitted	Two different completion certificates submitted .	Three different completion certificates submitted

QUALITATIVE TECHNICAL CRITERIA DESCRIPTION	REFERENCE TO TECHNICAL SPECIFICATION / TENDER RETURNABLE	CRITERIA WEIGHTING (%)	CRITERIA SUB WEIGHTING (%)	SCORE SCALE			
				FLOOR	**KICK IN**	**AVERAGE**	**CEILING**
CRITERIA 2: Procedure & Method Statement		**35**		**0=0%**	**2=40%**	**4=80%**	**5=100%**
2.1 Method Statement	1.2.1 Detailed method statement on ceramic tiling of conveyor chute, the method statement clearly demonstrates the Tenderer's compliance with the full scope of work. The following is addressed: • Tiling of conveyor chute programme/Schedule • Tiling of conveyor chute risk assessments		70	Totally Deficient or Non-responsive	Method Statement submitted but not sufficiently detailed	Not an option	Fully compliant
2.2 QCP	Contractor to submit the following documents: 1.2. Submit previously signed Quality Control Plan – related to the scope of work i.e. wear protection ceramic tiling of either coal chutes, ash sluiceway, Mill internal classifier, PF pipes, or PF burners and chute repairs.		30	Totally Deficient or Non-responsive	Non-compliant does not meet technical requirement	Meet technical requirement(s) with Acceptable technical risk(s) .	Meet technical requirement(s)

QUALITATIVE TECHNICAL CRITERIA DESCRIPTION	REFERENCE TO TECHNICAL SPECIFICATION / TENDER RETURNABLE	CRITERIA WEIGHTING (%)	CRITERIA SUB WEIGHTING (%)	SCORE SCALE			
				FLOOR	**KICK IN**	**AVERAGE**	**CEILING**
CRITERIA 3: Human Resource Experience		**25**		**0=0%**	**2=40%**	**4=80%**	**5=100%**
3.1 Supervisor's Experience	Submit a detailed CV of a supervisor with 3 years relevant experience with traceable references.		50	Totally Deficient or Non-responsive	One year experience submitted	Two years' experience submitted .	Three years' experience submitted
3.2 Boiler Maker's Experience	Submit a detailed CV of a boiler maker with 3 years relevant experience with traceable references		25	Totally Deficient or Non-responsive	One year experience submitted	Two years' experience submitted .	Three years' experience submitted
3.3 Tiler's Experience	Submit a detailed CV of a Tiler with 3 years relevant experience with traceable references		25	Totally Deficient or Non-responsive	One year experience submitted	Two years' experience submitted	Three years' experience submitted

2.5 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

Mandatory Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**
1-3	X	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**
1.1 to 1.3	X	X	X	X

X – Mandatory

2.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

2.6.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	Failure to provide spares lists

Table 5: Unacceptable Technical Risks

Risk	Description
1.	No information on adherence to Eskom Standards provided.

2.6.2 Exceptions / Conditions

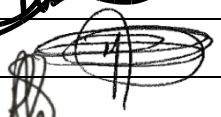
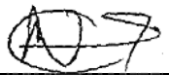
Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Professional Technologist is utilized and not Professional Engineer as deemed by ECSA

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Failure to meet plant performance requirements in terms of reliability and availability

3. ACCEPTANCE

Name & Surname	Designation	Signature
Doctor Masuku	Boiler System Engineer	
Yamkela Mgwebi	Auxiliary System Engineer	
Patrick Shange	Senior Supervisor – Maintenance (Common Plant)	
Nkosinathi Khumalo	Senior Supervisor – Maintenance (Boiler)	

4. REVISIONS

Date	Rev.	Compiler	Remarks
February 2023	02	Y Mgwebi	Due for Revision
February 2019	01	Y. Mgwebi	Original Issue

5. DEVELOPMENT TEAM

- Yamkela Mgwebi
- Patrick Shange
- Doctor Masuku

6. ACKNOWLEDGEMENTS

- Ranwedzi Mukhodobwane