| Eskom | Strategy | Engineering |
|---|---|---|

**Title: Tender Technical Evaluation Strategy: Coal plant chutes, tripper cars and rotary feeders refurbishment.**

| | |
|---|---|
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| Compiled by | Compiled by | Functional Responsibility | Authorised by |
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| R Thulare | N Ndima | G Phelelo | L Ngobese |
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| Date: 19/08/25 | Date: 19/08/25 | Date: 19/08/25 | Date: 2025.08.21 |

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## TABLES

# 1. INTRODUCTION

Coal plant chutes are found at the tail end of a conveyor belts. The main objective of the coal chutes is to transfer coal from one conveyor belt to the other in a desired direction. Transfer, crossover, and distribution chutes are utilized to convey coal from one conveyor belt to the other. Tripper cars and rotary feeders on the other hand are utilized to draw coal from the staithes on to the belts. The coal is then conveyed by the belts from the staithe to the bunkers where the tripper cars are utilized to convey the coal into the bunkers.

Due to continued operation, the wear and tearing highly occur on the ceramic liners and the steel shell. The damaged shell led to leaks on the component which causes pile up of coal on the components and increase friction on the belts. Regular maintenance is required to eliminate the risk of leaks.

# 2. SUPPORTING CLAUSES

## 2.1 SCOPE

The strategy defines the TET members, their responsibilities, and the criteria to be used to evaluate the Matla Power Station Coal plant chutes, rotary feeders and tripper cars refurbishment.

### 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 strategy document applies to the Engineering Team working in the Auxiliary Plant Engineering Department.

## 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 Policy

### 2.2.2 Informative

N/A

## 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 |
|---|---|
| Enquiry | A competitive or non-competitive request for information, interest, quotations or proposals made to a supplier, a group of suppliers or the market at large. |
| Tender | A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification. |

### 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

MEA- 06949: Coal plant chutes, tripper cars and rotary feeder's refurbishment scope of work.

## 3. TENDER TECHNCIAL EVALAUTION STRATEGY

### 3.1 TECHNICAL EVALUATION THRESHOLD

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

### 3.2 TET MEMBERS

**Table 1: TET Members**

| TET number | TET Member Name | Designation |
|---|---|---|
| TET 1 | Nkosinathi Ndima | Electrical Engineer |
| TET 2 | Ramogale Thulare | Civil Engineer |

## 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. | CIDB Grading: 4 ME | Supply valid proof of CIDB grading. | Medium sized mechanical works required, therefore maximum value of contract that the contractor is considered capable of performing is placed at R4 000 000, 00 per unit. |
| 2. | CIDB Grading 4 EP/letter of intent to subcontract the Electrical contractor. | Supply valid proof of CIDB grading/Submit a letter of intent to subcontract an electrical contractor with CIDB grading of 4 EP or more. | The work is classified as construction as per construction regulations. |
| 3. | Accreditation of Companies performing welding on Eskom plant Level 2 & 3. | IS0 3834 Part 3, submit the certificate. NB: For JV, both contractors shall have ISO 3834 Part 3. | Standard for Welding Requirements on Eskom Plant: 240-106628253. |

## 3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

**Table 3: Qualitative Technical Evaluation Criteria**

| | Qualitative Technical Criteria Description | | Reference to Technical Specification / Tender Returnable | Source | % | Qualitative Evaluation Scoring | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 | 2 | 4 | 5 |
| 1. | | | **Work Experience (20%)** | | | | | | |
| 1.1 | **Traceable Evidence of projects Completed** | | Documented experience in the installation, testing and commissioning of chutes or similar bulk material handling equipment. Relevant projects may include work in coal handling systems, power plants, mining, cement, or other heavy industries where similar mechanical systems are used. | Company to provide list of previous work completed with signed proof of completion, completion certificates and contact person for the company where work was carried out | **100 %** | No information submitted or incomplete documentations, = 0%. | 1 installation, testing and commissioning of the chute structure signed completion certificates / handover certificates = 40% | 2 installations, testing and commissioning of the chute structure signed completion certificates / handover certificates = 80% | 3 installations, testing and commissioning of the chute structure signed completion certificates / handover certificates = 100% |
| 2. | **Project Resources** | | **Technical staff (40%)** | | | | | | |
| | 2.1 | Qualified Fitter. | Fitter with trade certificate and minimum 3 years 'experience in fitting equipment. | Submit CV of a fitter with minimum 3 years' experience in equipment fitting and trade test (certificate mandatory). | **10 %** | No information submitted or incomplete documentations, no trade certificate = 0% | Submit CV of a fitter with 3 years' experience in fitting equipment= 40%. | Submit CV of a fitter with 4 years' experience in fitting equipment= 80%. | Submit CV of a fitter with 5 years' experience in fitting equipment= 100%. |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2.2 | Electricians | CVs of 3x electricians with trade test and IE certificates (Installation Electrician). | Submit CV of 3 x electricians with experience in electrical installation and testing, trade test and IE (certificate mandatory) with a minimum of 3 years' experience. | **15 %** | No information submitted or incomplete documentations, no trade certificate and IE= 0%. | Submitted x1 CV outlining 3 years' experience for electrical installation and testing with trade certificate and IE =40%. | Submitted x2 CVs outlining plus 3 years' experience for electrical installation and testing trade certificate and IE = 80%. | Submitted x3 CVs outlining plus 3 years' experience for electrical installation and testing trade certificate and IE= 100%. |
| | 2.3 | Supervisor | Supervisory experience with trade certificate for working on chute equipment. | Submit CV and proof of National Diploma qualification, trade test certificate with experience in installing, maintaining, and testing of chute with a minimum of 5 years' experience. | **10 %** | No information submitted or incomplete documentations, no trade certificate = 0% | Submit a CV outlining 5 years' experience for installing, maintaining, and testing of chute structure, National Diploma qualification, trade test certificate, = 40% | Submit a CV outlining 6 years' experience for installing, maintaining, and testing of chute structure, National Diploma qualification, trade test certificate, = 80% | Submit a CV outlining 7 years' experience for installing, maintaining, and testing of chute structure, National Diploma qualification, trade test certificate, = 100% |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2.3 | Riggers | 3x Rigger with experience in equipment rigging and experience. | Submit the CV outlining the rigger's experience and trade test certificate for equipment rigging with a minimum of 3 years' experience. | **15 %** | No information submitted or incomplete documentations, no trade certificate = 0%. | Submit a CV outlining 3 years' experience in equipment rigging and rigger trade certificate, = 40%. | Submit a CV outlining 4 years' experience in equipment rigging and rigger trade certificate, = 80%. | Submit a CV outlining 5 years' experience in equipment rigging and rigger trade certificate, = 100%. |
| | 2.4 | Safety officer. | Submit CV and Proof of Qualifications. | Safety officer with SAMTRACT or safety related qualification with minimum 3 years' experience. | **10 %** | No evidence submitted | Safety officer with SAMTRACT or safety related qualification with minimum 3 years' experience= 40% | Safety officer with SAMTRACT or safety related qualification with 4 years' experience = 80% | Safety officer with SAMTRACT or safety related qualification with 5 years' experience= 100% |
| | 2.5 | Welders | 4x Welder with experience in welding steel members. Red seal Test and WPQ qualified in accordance with ISO9606. | Submit the CV outlining the welding experience and trade test certificate and 1 to 3 years' welding experience. | **20 %** | No information submitted or incomplete documentations, required Qualification not submitted= 0% | Submit CV of Welder with plus 1 years' experience and required Qualification = 40% | Submit CV of Welder with plus 2 years' experience and required Qualification = 80% | Submit CV of Welder with plus 3 years' experience and required Qualification = 100% |
| | 2.6 | Welding Coordinator | Welding Coordinator with the following Qualifications:<br>International Welding Engineer (IWE) or International Welding | Submit CV of a Welding Coordinator with International Welding Engineer (IWE) or International Welding Technologist | **10 %** | No information submitted or incomplete documentations, required | Submit CV of Welding Coordinator with plus 1 years' experience | Submit CV of Welding Coordinator with plus 2 years' experience | Submit CV of Welding Coordinator with plus 3 years' experience |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Technologist (IWT) and shall be registered with ECSA. | (IWT), shall be registered with ECSA and 1 to 3 years working Experience. | | Qualification not submitted= 0% | and required Qualification = 40% | and required Qualification = 80% | and required Qualification = 100% |
| | 2.7 | Welding Supervisor | Welding Supervisor with the following Qualifications: International Welding Specialist (IWS) and/or International Welding Practitioner (IWP). | Submit CV of a Welding Supervisor with International Welding Specialist (IWS) and/or International Welding Practitioner (IWP) and a minimum of 5 years working Experience. | **10 %** | No information submitted or incomplete documentations, required Qualification not submitted= 0% | Submit CV of Welding Supervisor with 5 years' experience and required Qualification = 40% | Submit CV of Welding Supervisor with 6 years' experience and required Qualification = 80% | Submit CV of Welding Supervisor with 7 years' experience and required Qualification = 100% |
| **3.** | **Execution Methodology:** | | Submit job specific method statement. **(40%)** | | | | | | |
| | 3.1 | Method statement. | Submit the work specific detailed technical methodology for chute and supporting equipment activity. | Detailed technical methodology on how the company perform the chute installation, testing and commissioning detailing the following:<br>• Dissembling<br>• Installation<br>• Rigging<br>• Sample checklists and | **100 %** | Not Provided or incomplete documentations, = 0% | Submit method statement covering 1 to 4 mentioned activities, = 40% | Submitted method statement covering 5 to 8 items =80% | Submitted method statement covering 9 and above items. =100% |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | inspection forms.<br>• Aligning<br>• Inspection and Testing.<br>• Welding.<br>• Ceramic tiling.<br>• Safety clearance. | | | | | |
| | | **Threshold=70%** | | | | **TOTAL: 100** | | | |

## 3.5 TET MEMBER RESPONSIBILITIES

**Table 4: TET Member Responsibilities**

| Mandatory Criteria Number | TET 1 | TET 2 |
|---|---|---|
| 1 | X | X |
| 2 | X | X |
| 3 | X | X |
| **Qualitative Criteria Number** | **TET 1** | **TET 2** |
| 1 | X | X |
| 2 | X | X |
| 3 | X | X |

## 3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

### 3.6.1 Risks

**Table 5: Acceptable Technical Risks**

| Risk | Description |
|---|---|
| 1. | Changes to the plant/equipment's shall adhere to SANS and Eskom standards. |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |

**Table 6: Unacceptable Technical Risks**

| Risk | Description |
|---|---|
| 1. | Refurbishments are non- adherent to SANS and Eskom standards. |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |

### 3.6.2 Exceptions / Conditions

**Table 7: Acceptable Technical Exceptions / Conditions**

| Risk | Description |
|---|---|
| 1. | No foreseeable |
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |

**Table 8: Unacceptable Technical Exceptions / Conditions**

| Risk | Description |
|---|---|
| 1. | No foreseeable |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |

## 4. AUTHORISATION

This document has been seen and accepted by:

| Name | Designation | Signature |
|---|---|---|
| R Thulare | System Engineer | |
| N Ndima | System Engineer | |
| F Nkabinde | Project Manager | |

## 5. REVISIONS

| Date | Rev. | Compiler | Remarks |
|---|---|---|---|
| August 2025 | 0 | R Thulare<br>N Ndima | Document required for commercial processes |

## 6. DEVELOPMENT TEAM

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

- R Thulare
- N Ndima

## 7. ACKNOWLEDGEMENTS

None.