Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation for the New and Old Ash Dam Gravel Road Refurbishment.**

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TABLES

1. EXECUTIVE SUMMARY

Matla Power Station requested a Civil Engineering contractor to do Gravel Roads Refurbishment at the New and Old Ash Dam at the Ash Dam Facility.

Ash Dam roads are not designed gravel road which they have been operating for the longest time. The roads are graded time to time for maintenance purposes therefore due to longevity of grading the roads are now deeper form the natural ground level where water get captured withing the road causing water ponds which makes it difficult for vehicles to drive around during operations and inspections due to water, mud and slippery.

2. INTRODUCTION

This document provides the technical mandatory and qualitative criteria to evaluate potential Contractors for the scope of work for Gravel Roads Refurbishment at the New and Old Ash Dam at the Ash Dam Facility.

Matla Power Station requested a Civil Engineering contractor to do Gravel Roads Refurbishment at the New and Old Ash Dam at the Ash Dam Facility. Ash Dam roads are not designed gravel road which they have been operating for the longest time. The roads are graded time to time for maintenance purposes therefore due to longevity of grading the roads are now deeper form the natural ground level where water get captured withing the road causing water ponds which makes it difficult for vehicles to drive around during operations and inspections due to water, mud and slippery.

2.1 SCOPE

This scope gives the requirements and specifications for the New and Old Ash Dam gravel road repair. The work includes but not limited to, grading of the New and Old Ash Dam access road, blading, and re-gravelling of the roads.

This document covers the different aspects that will be evaluated and scored to complete the technical evaluation of the Gravel Roads Refurbishment at the New and Old Ash Dam at the Ash Dam Facility.

2.1.1 Purpose

The purpose of this order 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. Once the Technical Evaluation Strategy is authorized no changes will be made to the evaluation criteria without appropriate authorization.

2.1.2 Applicability

This document will apply to all appointed involved in the technical tender evaluation of tenders received from the Service Provider(s) in response to provision of Gravel Roads Refurbishment at the New and Old Ash Dam Facility.

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] 240-53716726: Technical Scoring Form

[3] 240-53716712: Technical Evaluation Results

2.2.2 Informative

[4] **MEA-06593**- This scope gives the requirements and specifications for the New and Old Ash Dam gravel road repair. The work includes but not limited to, grading of the New and Old Ash Dam access road, blading, and re-gravelling of the roads.

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
CIDB	Construction industry Development Board
ECSA	Engineering council of South Africa
TET	Tender Evaluation Team
ISO	International Standards Organisation
SD&L	Supplier Development and Localisation
OHS Act	Occupational Health and Safety Act
QCP	Quality Control Plan

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 TECHNCIAL EVALAUTION REPORT

3.1 TECHNICAL EVALAUTION STRATEGY

The Tenders will be evaluated as per the Technical Evaluation Criteria provided below. The following criteria will be evaluated for the tenders received.

1. Mandatory Technical Requirements
2. Functionality – Qualitative technical Requirements
3. Price
4. Objective Criteria (SHE & SD&L requirements)

The technical criteria will consist of the Mandatory Technical Requirements and Qualitative technical Requirements only, i.e. step 1 and 2.

The scope of the tender is predominantly confined to Civil Discipline. The technical criteria are therefore only civil related.

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

3.2 MANDATORY TECHNICAL REQUIREMENTS

	Mandatory Technical Criteria Description	**Reference to Technical Specification/Tender Returnable**	**Motivation for use of criteria**
1	CIDB Grading 7 CE	The CIDB certificate is required for this submission to be valid	As per Construction Regulations (GNR 84 of 7 February 2014)

Functionality forms the second step in the evaluation process with a weighting of 100%. The tenderer will be required to score a minimum of 70% in these technical criteria to qualify.

3.3 TECHNICAL EVALUATION THRESHOLD

The scoring for each tender will be done as per the scoring table 2 shown below. This table is as per the requirements of Tender Engineering Evaluation Procedure [1]. The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

3.4 TET MEMBERS

The TET members should be minimum of two (2) which will be doing the evaluations, however relevant authority body shall nominate or appoint the TET members to do evaluations.

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Functionality forms the second step in the evaluation process with a weighting of 100%. The tender will be required to score a minimum of 70% in these technical criteria to qualify. These requirements consist of Four (4) sub-criteria each with a weighting as shown in the table below.

Table 1: Qualitative Technical Evaluation Criteria

Criteria	**0**	**40%**	**80%**	**100%**
Provide three (3) traceable evidence of executed projects, contracts with completion certificates where the below activity points were completed. (30%). 1. proof of previous experience related to road construction 2. Experience related to Gravel road repairs 3. Experience related to road Maintenance	No verifiable and traceable evidence provided	Provided either one (1) of the three (3) verifiable and traceable evidence	Provided either two (2) of the three (3) verifiable and traceable evidence	Provided all three (3) of three (3) verifiable and traceable evidence
Detailed method statement: Method statement shall clearly demonstrates understanding of scope of work issued, (40%). 1. Inspection and Measurements of Material quantities to be imported. 2. Sub-grade - In-situ material is ripped/scarified to a depth of 150 mm and compacted to 93% Mod AASHTO Density (Material to be imported from suitable commercial source if required). 3. Wearing Course - material is imported from a suitable commercial source. 4. Compacted to 95% Mod AASHTO with a minimum thickness of 150mm. 5. Minimum wearing material Size 6. Final Graded road angle (Oversize index (Io)) <5%	Not submitted or Submitted but addressing between one(1) and Three (3) points = 0%	Submitted but addressing between Four (4) and Eight (8) points	Submitted but addressing between Nine (9) and fourteen (11) points	Submitted but addressing between Fifteen (12) and eighteen (14) points

7. CBR ≥15 at 95% Mod AASHTO with optimum moisture content. 8. Drainage Collection system 9. Traffic Control and management 10. List of quality checks 11. Dust Control 12. Steps and stages of all test to be performed and their minimum requirements 13. Final end product how it should function for both light and heavy vehicles 14. Final product minimum life span				
Professionally ECSA registered Civil Engineer with (6 – 10) years relevant experience in Road Construction and Maintenance (15%). Attach certificate with CV indicating experience	No qualification or Less than 6 years of experience	Certificate with (6–7) years of experience	Certificate with greater than (>7-9) years of experience	Certificate with greater than (>9-10) years of experience
Proof of Ownership Certificate of plants and Machinery: provide proof of ownership or lease agreement for the plant listed Below (15%). • 2 x Graders (10 points each machine) • 2 x Water Trucks (25 000L) (5 points each machine) • 2 x Roller Compactors (10 points each machine) • 2 x Excavator (5 points each machine) • 4 x 10m^3 Tipper Trucks (points each machine) Total Equipment points = **80 points**	Total Equipment score less than < **10 points**	Total equipment score with points between **10 – 30 points**	Total equipment score with points between **31 – 60 points**	Total equipment score with points between **61 – 80 points**
Threshold : 70%				

4. TET MEMBER RESPONSIBILITIES

Table 2: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
1	X	X
2	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**
1	X	X
2	X	X

There will be minimum of two Evaluation Team Members for this Tender.

FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

4.1.1 Risks

N/A

4.1.2 Exceptions / Conditions

N/A