



## REQUEST FOR QUOTATION (RFQ)

Date: 15.01.2026

### CONSULTANCY SERVICES FOR DIVERSION OF IZUMA STREAM AT MAAMBA ENERGY LIMITED, SINAZONGWE.

Tender No:  
MEL/I-EPB/001

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#### 1. Project Brief

Maamba Energy Limited (MEL), operator of Zambia's largest coal mining concession and a 300MW thermal power plant, intends to undertake the diversion of the **Izuma Stream** in order to safeguard coal-rich reserves and align with long-term mine plans.

The proposed project involves the construction of a **stream diversion channel** to serve as the new route for the Izuma Stream:

- **Proposed diversion channel length:** ~1,560m
- **Existing stream length:** ~1,570m
- **Diversion start point:** Immediately after the Izuma Stream Bridge leading to the current open-pit operations.
- **Project location:** Within an active large-scale open-pit coal mining site in **Maamba, Sinazongwe District, Zambia**

The diversion will be designed and implemented to ensure **hydrological stability, environmental compliance, and integration with mining operations.**

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#### 2. Terms of Reference (TOR):

##### 2.1 Site Location

The site is located within MEL's active open-pit mine in Maamba, Sinazongwe District. The stream to be diverted is indicated in red boundary on the provided map/diagram.



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## 2.2 Services to be Provided by the Consultant

The Consultant shall:

- Conduct a comprehensive **topographic survey** (1:1000 scale, 0.5m contour interval) along the existing stream and proposed diversion corridor.
- Carry out **hydrological investigations** to determine river discharge over a 20-year return period and assess seasonal flow variability and sediment transport.
- Propose at least **two diversion scheme options** suitable to achieve the project's objectives and considering
  - Mine boundary constraints
  - Slope stability and erosion risk
  - Hydraulic efficiency and safety factors
  - Constructability within an active mining site



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d. Provide **preliminary costing** for both schemes. MEL reserves the right to select the scheme based on mine operational requirements and cost implications.

e Develop **detailed engineering designs** for the selected scheme, including:

- Horizontal & vertical alignment drawings
- Cross-sections and longitudinal profiles
- Lining/protection works (rip-rap, gabions, concrete lining, vegetation cover, etc.)
- Energy dissipation and erosion control structures
- Inlet and outlet transition structures
- Service crossings (if required)

f. Ensure all designs comply with the **ZEMA-approved Environmental Management Plans**.

g. Establish robust **Quality Assurance (QA) and Quality Control (QC) measures** for contractor implementation.

h. Prepare an **Environmental Management Plan (EMP)** aligned with ZEMA requirements for contractor implementation, including sediment control, rehabilitation, and monitoring requirements.

i. Project Management services.

j. Preparation of tender documents including BoQ, specifications, drawings, and contract conditions.

k. Provide **tender management services**, including contractor prequalification, bid evaluation, and recommendation.

### **2.3 Deliverables:**

The Consultant shall provide the following:



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1. Inception Report (work plan, methodology, schedule)
2. Detailed Topographic Survey Map
3. Geotechnical Report
4. Hydrological Report
5. Two (2) Design Proposals with Preliminary Costings
6. Detailed Design Drawings (AutoCAD + PDF)
7. Detailed Bill of Quantities (BoQ) with Costings
8. QA/QC Plan
9. Environmental Management Plan (EMP)
10. Project Management & Construction Supervision Reports.
11. Preparation of tender documents along with Technical Specifications.
12. Managing Tender Process Report (evaluation & recommendations).

#### **2.4. Client Inputs:**

1. A decision letter from ZEMA
2. Access to the site as and when such a visit is needed
3. Identification of mining areas to avoid the diversion being planned onto planned future mining areas
4. Any information the consultant may request may be in possession of the client and could be useful to the undertaking of this assignment

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#### **3. Submission Requirements**

Interested consultants must submit:

- Company profile highlighting similar project experience



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- Technical methodology and proposed work plan
- Team composition and CVs of key experts
- Financial proposal with detailed cost breakdown (in ZMW/USD)
- Proposed project timeline and delivery schedule (including milestones for surveys, designs, tender documents, and EMP submission).
- Profession indemnity cover.

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#### **4. Evaluation Criteria**

Proposals will be assessed on:

- Relevant technical expertise and experience
- Methodology and approach
- Qualifications of key personnel
- Proposed delivery schedule
- Commercial competitiveness

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#### **5. Submission Details:**

Quotations should be submitted electronically to:

**Procurement Department**

Maamba Energy Limited

Email: [ravichandra.v@maambaenergy.com](mailto:ravichandra.v@maambaenergy.com) & [patelp@maambaenergy.com](mailto:patelp@maambaenergy.com)

**Submission deadline:** 23.09.2025.

A pre-proposal meeting will be held on the same day of the site visit which is being proposed on 18.09.2025 in Maamba, Sinazongwe District.

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## 6. Contact Information

For clarifications, please contact:

**V. Ravichandra**

**Supply Chain Manager | Maamba Energy Limited**



**+260-962565972**



**[ravichandra.v@maambaenergy.com](mailto:ravichandra.v@maambaenergy.com)**



**P.O. Box 99, Maamba, Zambia**



**[www.maambaenergy.com](http://www.maambaenergy.com)**