REQUEST FOR PROPOSALS

WATER PUMP TESTING FOR LEMISIGIYIO COMMUNITY BOREHOLE PROJECT IN OLDERKESI CONSERVANCY

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PART 1: INSTRUCTIONS AND CONDITIONS TO BIDDERS

1.1. INTRODUCTION

The Maasai Mara Wildlife Conservancies Association (MMWCA) is a membership organization for Mara conservancies, open to any existing or upcoming wildlife conservancy whose land is part of or integral to the greater Maasai Mara ecosystem. MMWCA serves to meet the following strategic objectives:

1. Conservancies' governance is strengthened.
2. Conservancies and wildlife corridors established and maintained in the Mara ecosystem.
3. Regional and National partnerships strengthened to support the growth of the Mara conservancies.
4. Communication and coordination across the landscape are enhanced.
5. Diversified and resilient revenue models for conservancies established and supported.
6. MMWCA's organizational capacity is enhanced to deliver its mission.
7. Gender equity is enhanced in the Mara landscape.

As an umbrella body for conservancies in the Mara landscape, currently has 25 member conservancies at different stages of development. The Conservancies are all based on a partnership between the Landowners and Tourism Investors, with the Association playing the coordination role. Landowners in the Mara commit their land to conservation by signing leases and, in turn, get guaranteed income averaging annual revenue paid by the Tourism Investors. As such, the partnership allows the indigenous Maasai community and the tourism operators to earn an income and realize economic development.

1.2. SUMMARY

MMWCA invites your organization to submit a technical and financial proposal for **pump testing for lemisigiyio community borehole project in Olderkesi conservancy.** The detailed description of the requirement can be found in Part 2 of this Request for Proposal (RFP).

1.3. PROCUREMENT PROCESS

The following key dates apply to this procurement process:

- **RFP issue date**: 5th June 2025
- **RFP closing date and time:** 16th June 2025

Extended proposal submission period to: 18th July 2025
Estimated Award date: 22nd July 2025

1.4. CONDITIONS

MMWCA is not bound in any way to enter into any contractual or other arrangement with any proposer as a result of issuing this RFP. MMWCA is under no obligation to accept the lowest financials proposal or any proposal. MMWCA reserves the right to terminate the procurement process at any time prior to contract award. By participating in this RFP, proposers accept the conditions set out in this RFP.

1.5. QUERIES AND QUESTIONS DURING THE RFP PERIOD

Proposers are to direct any questions regarding the RFP to the MMWCA contact: Procurement@maraconservancies.org and Contact@maraconservancies.org. No other MMWCA personnel are to be contacted in relation to this RFP. Proposers must submit questions no later than **16th June 2025, 17:00 EAT.**

As far as possible, MMWCA will share the responses to any questions, suitably anonymized, with all invited proposers. If you consider the content of your question confidential, you must state this at the time the question is posed.

1.6. AMENDMENTS TO RFP DOCUMENTS

MMWCA may amend the RFP document by issuing notices to that effect to all invited proposers and may extend the RFP closing date and time if deemed necessary.

1.7. PROPOSAL LODGEMENT METHODS AND REQUIREMENTS

Proposers must submit their proposal to MMWCA no later than **16th June 2025, 17:00 EAT** by email to: procurement@maraconservancies.org . The subject heading of the email should be '**RFP - PUMPING TESTING FOR LEMISIGIYIO COMMUNITY BOREHOLE PROJECT IN OLDERKESI CONSERVANCY:** By *[organizational name].*' Electronic copies are to be submitted in PDF, or MS Word, formats. Proposals must be in English.

1.8. LATE AND INCOMPLETE PROPOSALS

Any proposal received by MMWCA later than the stipulated RFP closing date and time, and any proposal that is incomplete, will not be considered. There will be no allowance made by MMWCA for any delays in transmission of the proposal from proposer to MMWCA.

1.9. WITHDRAWALS AND CHANGES TO THE PROPOSAL

Proposals may be withdrawn or changed at any time prior to the RFP closing date and time by written notice to the MMWCA contact. No changes or withdrawals will be accepted after the RFP closing date and time.

1.10. VALIDITY OF PROPOSALS

Proposals submitted in response to this RFP are to remain valid for a period of **30 calendar** days from the RFP closing date.

1.11. EVALUATION OF PROPOSALS

The evaluation of proposals shall be carried out exclusively with regards to the evaluation criteria and their relative weights specified in **Part 3** of this RFP.

1.12. CONFIDENTIALITY

Any data, documentation or other business information furnished by or disclosed to the contractor shall be deemed the property of MMWCA and must be returned to MMWCA upon request.

1.13. SUBMISSION REQUIREMENTS

All interested person(s)/firm should submit technical and price proposals by the deadline.

Deadline: **16th June 2025, 17:00 EAT.**

Proposals should be emailed to: procurement@maraconservancies.org and copy to contact@maraconservancies.org

PART 2: REQUIREMENTS

INTRODUCTION

The sustainability and reliability of water supply systems are critical for the success of community water projects. In our current initiative involving a borehole, there are concerns regarding the volume of water available for extraction. Accurate assessment of the borehole's capacity is essential to ensure that it can meet the community's needs without depleting the resource.

To address these concerns, we propose to conduct a pump test. The primary objective of this exercise is to determine the borehole's yield, which will provide valuable insights into its long-term viability as a water source.

SCOPE OF THE WORK

1. **Pre-Test Preparations**
   a) Inspection and cleaning of the borehole
   b) Installation of equipment:
      - Submersible or line-shaft pump
      - Flow meter
      - Water level monitoring equipment (electric tape, pressure transducer)
      - Discharge arrangement (channels or tanks)
2. **Step-Drawdown Test**
      - Conducted to determine the borehole efficiency and optimum pumping rate. (Increments of increasing discharge rates, each for one hour per step).
      - Water levels and discharge rates recorded frequently.
3. **Constant-Rate Pumping Test**
   a) Pumping at a **constant discharge** rate for an extended period (typically 24–72 hours).
   b) Regular measurement of:
      - Water level in pumping and observation wells
      - Pumping rate
      - Water quality
4. **Recovery Test**
      - Monitoring the rise of water level until it returns to pre-pumping level or stabilizes.
      - Indicates aquifer recovery rate and sustainability.

5. **Water Quality Sampling**
    - Indicate Parameters such as **pH, EC, TDS, iron, manganese, nitrate, hardness**, etc.
6. **Data Analysis and Reporting**
    a) Analysis of drawdown vs time and recovery data
    b) Preparation of a hydrogeological report including:
        - Aquifer transmissivity and storability
        - Safe yield and sustainable pumping rate
        - Borehole efficiency
        - Water quality results

Expected Outputs

1. Hydrogeological Report including:

- Description of test procedures
- Time-drawdown and time-recovery graphs
- Transmissivity and storability values
- Borehole yield (sustainable pumping rate)
- Recommendations for pump selection and use

2. Data Tables:

- Time vs drawdown for each test phase
- Flow rate readings
- Recovery data

3. **Water Quality Analysis Report**
4. **Recommendations**:
    - Long-term abstraction rate
    - Pump installation depth and specifications

This data will not only inform our investment decisions but also guide future management strategies for the water resource, ensuring that it can adequately support the community's needs over time. By conducting this test, we aim to mitigate risks associated with water scarcity and enhance the overall effectiveness of our community water project

EVALUATION/SELECTION CRITERIA

Category	Evaluation Criteria	Marks
Mandatory Documents	• Copy of Certificate of Incorporation & valid CR12 – 2 Marks • Valid Tax Compliance Certificate & KRA Pin Certificate – 2 marks • Valid NCA 6+ registration certificate (Water & Building Works) with valid practicing certificate – 2 marks • Valid Business Registration Certificate & Business Permit – 2 marks	10
Experience and Expertise	• Proven track record in pump tests and water assessments (completion certificates, awards, contracts) – 5 marks • At least 3 years' experience in similar borehole water projects – 5 marks	10
Technical Qualifications	• Contractor must have technical qualifications in hydrogeology/water resource management. • Degree in related field (attach CVs, academic certificates) – 5 marks • Certifications in water works (attach professional certs) – 5 marks	10
Methodology	• Clear methodology for pump test (yield, water quality, drawdown, recovery) – 5 marks • Clear timeline/work schedule – 5 marks	10
Equipment and Technology	• List of calibrated equipment (pumps, meters, sampling tools; indicate ownership/access) – 5 marks • Lab facilities for chemical analysis (attach proof of prior lab engagement) – 5 marks	10
Reporting Capabilities	• Ability to produce detailed reports on findings (attach at least 3 similar reports) – 5 marks	10
References and Past Performance	• References from past clients (At least 2 references from similar projects) – 10 marks	10
Financial Proposal	• Detailed itemized costs including VAT • Breakdown of cost per activity	30