


Requesting Office: Procurement	
Contact Person: Tebogo Aphané	
Contact Numbers: 014 597 4636	
Facsimile:	<b>RFQ – 10021000</b>
E-mail address: <a href="mailto:tebogoa@magalieswater.co.za">tebogoa@magalieswater.co.za</a>	

DATE ISSUED: 01 February 2024

CLOSING DATE: 16 February 2024 @ 16:00 pm

PLACE OF DELIVERY: MAGALIES WATER,

For More information/query email: [tebogoa@magalieswater.co.za](mailto:tebogoa@magalieswater.co.za) or call 014 597 4636


**1. Compulsory Site Briefing Swartdam Wastewater Purification Plant 09 February 2024**

Item No.	Description/Specification
1.	<p style="text-align: center;"><b>Appointment of a Contractor for Drilling and Equipping of boreholes in Moretele Local Municipality at Swartdam and Mmoti villages.</b></p> <p><b>1. Introduction</b> Magalies Water is looking for a service provider to assess, drill, equip and commission boreholes at Swartdam and Mmoti villages .</p> <p><b>2. Objectives</b> The main objective is to assess, drill, equip and commission a new borehole that will be feeding an elevated storage tank that will supply into the existing network.</p> <p><b>3. Location</b> <b>Swartdam and Mmoti village</b></p> <p><b>4. Scope of Work</b> Service Providers is expected to visit and acquaint themselves with site conditions and the extent of the work to be done. During the compulsory site briefing and inspection on Friday, the 9th February 2024 at 12:00 Service Providers shall make allowance for items obviously intended and necessary for the proper completion of the work, although not specifically mentioned.</p> <p>The scope of work entails and is not limited to the following:</p> <p>4.1 <u>Borehole</u></p>

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- Service Provider to remove existing trees and vegetation at the borehole site. Trees must only be removed upon approval by Magalies Water's Representative. Existing trees shall be dug, potted and stored as directed by the Engineer.
- All removed materials and rubble shall be disposed of by removing them from site at the PSP's costs. Burning of removed materials will not be permitted on the site.
- Geohydrological study
- Sitting and drilling of a new borehole
- Contractor to conduct Boreholes yield test (4 hrs steps and 24 hrs constant discharge)
- Contractor to collect water to conduct chemical & micro-biological tests at their own laboratory.
- Replacement of the existing or installing new equipment (pump, pipes, motor and fittings).  
Measurement of borehole depth
- Service provider to connect the borehole to the power supply. All required applications for the new connection to be completed by the Municipality.
- Service provider to install a filter and a water treatment system on each borehole. Water should be treated to a drinkable standard.
- Service Provider should verify that the newly equipped boreholes are functioning well, and pumped water is reaching the elevated (5m) tanks (20 000l) at each village prior to handing over site to the Magalies Water.


#### 5. Pricing Schedule

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Item	Description	Unit	Quantity	Unit Cost	Total Cost
1	Site establishment and borehole assessment	No.	1		
1.1	Drilling	No.	1		
2	Borehole yield test (4 hrs steps and 24 hrs constant discharge)	No.	1		
3	Supply of electrical cables and components	No.	1		
	5.5 Dol Starter Orange control box	No.	1		
3	Supply and installation of Timer, Conductors, Contactor, Circuit breakers, Condenser and Switch	No.	1		
4	Supply and Installation of the equipment (pump, pipes, motor, and fittings)	No.	1		
5	Supply and installation of pipe and fittings, this includes: <i>50 mm Screwed Flange T/1600</i> <i>50 mm galvanised union</i> <i>50 mm Spring-loaded check valve</i> <i>50 mm flanged water metre T16</i> <i>50 mm x 100m HDPE pipe</i> <i>Galvanised barrel nipple 100 mm</i> <i>Galvanised Elbow 90D FF 50mm</i>	No.	1		
7	Supply of Pressure gate and Pressure switch	No.	1		
8	Supply and installation of the outlet with DWS specifications (water meter, pressure gauge)	No.	1		
9	Supply and installation of the dosing system (Dependent on water quality results)	No.	1		
10	Supply and Install Reverse Osmosis System				
11	Supply and install 5m high steel stands				
12	Supply and install 2 x 10 000l water storage tanks				
13	4m x 4m Fence Enclosure around the borehole and tanks				
14	Geohydrological report	No.	1		
15	Health & Safety	No.	1		
16	Development of Operations Manual and Project Reporting	No.	1		
				<b>Sub-Total</b>	
				<b>Contingencies (10%)</b>	
				<b>Sub-Total</b>	

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Vat					
Total					
<p><b>6. Specifications</b></p> <p><u>Pipework and pipe fittings</u></p> <p>All pipework and fitting to be utilised should meet the South African National Standards</p> <p>Pipework and fittings should have a pressure rating of 10 Bar (PN10).</p> <p>The engineer or engineer’s representative to approve all material prior to installation.</p> <p><u>Borehole Equipment</u></p> <p>Standard for Equipment to be utilised for borehole equipment should at least match the standard of the existing equipment used.</p> <p>The engineer or engineer’s representative to approve all borehole equipment to be installed prior to the purchase by the contractor.</p> <p><u>Electrical Specifications</u></p> <p>The electrical wiring shall be carried out by registered and licensed electricians in accordance with the requirements of SANS 10142-1 and the regulations of the Employer. The works will include the following:</p> <ul style="list-style-type: none"> <li>(a) New borehole pumps complete with controllers at the borehole installation including electrical connections thereof.</li> <li>(b) Provision of mechanical flow pressure switches for control of the borehole pumps.</li> <li>(c) Provision of electrical supply from the existing panels to the boreholes.</li> <li>(d) Testing and commissioning of all new borehole installation</li> </ul>					

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Within seven (7) days after acceptance of Purchase Order the service provider shall submit for approval:

Electrical Drawings, such as:

- Where relevant, general layout of the control panels.
- Circuit diagrams for the system.
- Block diagram of the system.
- Cable and Equipment Schedules.
- All cable routes shall be shown on the site plan drawings.

The drawings will be evaluated and approved Moretele Local Municipality Electrical Department and Magalies Water.

#### **7. Deliverables**

A fully functional borehole, to meet the requirement as outlined by Magalies Water Representative and supported by Moretele Local Municipality.

Upon completion of works, the contractor shall submit a comprehensive operations and maintenance manual which shall include, but not limited the following:

- Step-by-step maintenance instructions of all instruments and other components of the system that might require maintenance, clearly explaining how each item should be maintained with pictures clearly indicating service points, where applicable.
- Step-by-step calibration instructions of all instruments where applicable.
- All measurements recorded at tests during commissioning
- Results of water quality test

This documentation will be required within 14 days after Commissioning.

#### **8. RFQ Evaluation**

Submitted RFQ's will be assessed based on the following:


- a) Price
- b) Timelines
- c) Methodology of conducting installation of boreholes.
- d) Key project Personal. CV's to be attached.

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Bidders to propose their timelines anticipated to hand deliverables to client. A Gantt chart may be submitted to illustrate proposed timelines by bidder.

#### 7.1 Functionality

Criteria	Weight
<b>Technical Criteria (75 Points)</b>	
<b>Combined Level of or experience and knowledge (attach company profile): (45)</b>	
1. Previous experience in delivering work of a similar nature Attached testimony letter/three contactable references <ul style="list-style-type: none"> <li>• One project with contactable reference <b>(10 Points)</b></li> <li>• Two projects with contactable reference <b>(15 Points)</b></li> <li>• Three of more projects contactable references and above <b>(20 Points)</b></li> </ul>	<b>20</b>
2. Knowledge of equipping and/or refurbishment of boreholes (Attach/provide proof of previous work) <ul style="list-style-type: none"> <li>• 1x Proof either equipping and/or refurbishment previous work <b>(10 Points)</b></li> <li>• 2x Proof of either equipping and/or refurbishment previous work <b>(15 Points)</b></li> <li>• 3x proof of three of more and above <b>(25 Points)</b></li> </ul>	<b>25</b>
<b>Track record and experience</b>	
<b>Capacity and capability of the team</b>	<b>30</b>
Curriculum Vitae (CVs) of project team members and / or of external experts if some parts of the services are going to be outsourced with contactable references.	

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	<p>Experience of a minimum of five (5) years on similar projects and the ability to meet project requirements.</p> <ul style="list-style-type: none"> <li>• 3 years' experience <b>(15 points)</b></li> <li>• 4 to 5 years' experience <b>(20 points)</b></li> <li>• More than 5 years' experience <b>(30 points)</b></li> </ul> <p>Reference clients that Magalies Water can source testimony of service from (Provide official reference letters or name with full contact details / whichever is easier will assist).</p>		
	<p><b>Methodology and approach</b></p> <p>Responsiveness of proposal to the brief, and deliver the project timeously.</p> <ul style="list-style-type: none"> <li>• Responsiveness to proposal to execute the project in three weeks <b>(15 points)</b></li> <li>• Responsiveness to proposal to execute the project in two weeks <b>(20 points)</b></li> <li>• Responsiveness to proposal to execute the project in one week <b>(25 points)</b></li> </ul>	<b>25</b>	
	<p><b>9. Mandatory Requirements</b></p> <ol style="list-style-type: none"> <li>1. Bidders to attend Compulsory site briefing.</li> <li>2. Project Manager shall be registered as a Pr. Eng or Pr. Tech for ECSA.</li> <li>3. Service Provider shall have a minimum CIDB Grading of 2CE/ 2ME</li> </ol>		

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<b>10. Compulsory Site Briefing Date</b>	
Venue	: Swartdam Wastewater Purification Plant
Date	: Friday, 09 February 2024
Time	: 12h00

### 1. Submission of Quotations

**RFQ Number** must always be stated on the quotation.

Quotations should be submitted on email below. Email: [tebogoa@magalieswater.co.za](mailto:tebogoa@magalieswater.co.za)

### 2. Selection of Qualifying Quotation

The selection of the qualifying quotation will be at Magalies water's sole discretion. Magalies Water does not bind itself to accept any particular Quotation

### 3. Evaluation

The quotation will be checked for responsiveness according to the following **REQUIREMENTS**:

- Quotation must have CSD vendor number/ submit CSD Report
- Quotation must have RFQ reference number
- Completed and signed Declaration of Interest Form (SBD4)
- Quotation with validity period should be 30 days or more.
- Quotation with physical address, date, contact details and banking details

### 4. Terms & Conditions


Quotations received after the closing date will not be accepted.

All costs to be included in the quotation.

Delivery must take place at the specified place.

Quotations to be valid for 30 days from date of issue.



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All non-responsive bids will be rejected.

The Government Procurement General Conditions of Contract shall apply.