

<b>Requesting Office:</b> Magalies Water Head Office	
<b>Contact Person:</b> Gomolemo Motloug	
<b>Contact Numbers:</b> 014 597 4636	
<b>Facsimile:</b>	<b>RFQ – 10017363</b>
<b>E-mail address:</b> <a href="mailto:gomolemom@magalieswater.co.za">gomolemom@magalieswater.co.za</a>	

DATE ISSUED: **26 JULY 2022**

CLOSING DATE: **08 AUGUST 2022**

PLACE OF DELIVERY: **MAGALIES WATER, 38 HEYSTEK STREET, RUSTENBURG,0300**

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

Item No.	Description/Specification	Quantity Required
1.	<p><b><u>REQUEST FOR QUOTATION</u></b></p> <p>Appointment of PSP for Three Municipalities CSI 2021-22</p> <p>Namely:</p> <ol style="list-style-type: none"> <li>1. Rustenburg LM</li> <li>2. Moses Kotane LM</li> <li>3. City of Tshwane</li> </ol> <p><b>Compulsory briefing:</b> 01 August 2022 (Virtual Meeting)</p> <p><b>NB:</b> SERVICE PROVIDER TO SEND EMAIL TO REQUEST LINK ON OR BEFORE 29 JULY 2022 TO <a href="mailto:gomolemom@magalieswater.co.za">gomolemom@magalieswater.co.za</a> WITH SUBJECT " <b>REQUEST FOR LINK PSP MUNICIPALITIES</b>"</p> <p><b>SEE BELOW TERMS OF REFERENCE</b></p>	

## 1. Submission of Quotations

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

Quotations should be submitted on or before the Request for Quotation Deadline Date @ 12H00 to the email below. Email: [gomolemom@magalieswater.co.za](mailto:gomolemom@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

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### 3. Evaluation

Quotations will be evaluated in terms of the PPPFA using the 80:20 Preference point systems.

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

- Valid certified B-BBEE Certificate/ Sworn Affidavit
- 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

### 5. 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.

All non-responsive bids will be rejected.

### **TERMS OF REFERENCE: Appointment of a PSP for 2022/23 CSI Projects**

#### **Technical Information and specifications**

## 1. Description of work

Magalies Water Board seeks to employ a Professional Service Provider to carry out Planning, Studies, Investigations and Assessments phase to precede the other “Normal Services” as set out in the Engineering Professions Act of 2000 (Act No. 46 of 2000). The professional service provider is required to cover the work in areas covered in item 1.1. below.

### 1.1 Areas Covered

Three Local Municipalities shall be covered as part of the overall scope definition.

1.1.1. Rustenburg Local Municipality: War on Leaks in Boitekong Township

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1.1.2. Moses Kotane Local Municipality: Minor bulk water projects in Bodirelo and Mogwase area

Building of an RDP standard house for a needy family

1.1.3. City of Tshwane: Building & Fixing of Toilets at a community hall build by MW and a local School toilet construction: Lethamaga middle school in Ramotse .

## 2. LOCATION AND AREAS of focus

### a) RUSTENBURG LOCAL MUNICIPALITY

Lat: -25.616026; Long: 27,320838



Figure 1: Boitekong Township

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## 2.1. PROJECT NAME: WAR ON LEAKS BITEKONG EXT 2,4,5 &8

The leak detection exercise is required to be conducted at Boitekong within the Rustenburg Local Municipality.

### 2.1.1. PROFILE OF THE AREA

- Boitekong has an estimated water reticulation network of 26km.
- The estimated population supplied by this network is 4 971(Each ext should tally with the estimated Population).

### 2.1.2. SCOPE OF WORKS FOR RLM TO BE CONSULTED ON

- **THE WATER RETICULATION NETWORK CONSISTS OF UPVC PIPE MATERIAL.**
- **LEAK DETECTION SHALL BE UNDERTAKEN ON PIPE SIZES RANGING FROM 50MM TO 150MM,**
- **CONNECTIONS SUCH AS FIRE HYDRANTS, GATE VALVES, BUTTERFLY VALVES, BALL VALVES, SCOUR VALVES, AIR VALVES, METERS AND OTHER FITTINGS SHALL BE REQUIRED AS OUTLINED HEREUNDER:**
  - A. Visual leak detection investigations shall be undertaken at various locations within the reticulation network.
  - B. Visible leak detection shall be undertaken on foot. All reticulation infrastructure such as chambers, valve covers, and meters boxes shall be opened during the investigation and visually inspected for any leakage.
  - C. All leakage identified shall be captured on bespoke forms where information such as Leak position (GPS), leak size, Infrastructure leaking (meter, pipe, valve, hydrant, other) will be indicated.
  - D. Photographs of each leak shall be taken, and all leak positions shall be marked up on a network drawing or map.

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- E. A minimum of 7 days Flow logging shall be required at the Main supply pipe to the focus area. This logging shall be required prior to starting with the visual leak detection.
- F. The service provider is expected to determine the minimum night flow and compute the level of leakage within the area.
- G. A minimum of 3 days of Pressure Logging shall be required at 4 points within the focus area. Fire hydrants, hose reels and Taps shall used when logging pressures at the critical point, Lowest point, and average point.
- H. Graphical representation and raw data shall be required for all data Logging to be done.

## 2.2 MOSES KOTANE LOCAL MUNICIPALITY

Moses Kotane LM: **a)** Minor bulk water projects in Bodirelo Industrial Area and Mogwase area **b)** Building of an RDP standard house for a needy family in Lerome

Bodirelo - 25°15'25.2"S 27°16'20.4"E

Lerome Latitude: -25.19861° or 25° 11' 55" south

### **a) Minor bulk water projects in Bodirelo Industrial Area and Mogwase area**

CONNECTIONS SUCH AS FIRE HYDRANTS, GATE VALVES, BUTTERFLY VALVES, BALL VALVES, SCOUR VALVES, AIR VALVES, METERS AND OTHER FITTINGS SHALL BE REQUIRED AS OUTLINED HEREUNDER:

1. Visual leak detection investigations shall be undertaken at various locations within the reticulation network.
2. Visible leak detection shall be undertaken on foot. All reticulation infrastructure such as chambers, valve covers, and meters boxes shall be opened during the investigation and visually inspected for any leakage.
3. All leakage identified shall be captured on bespoke forms where information such as Leak position (GPS), leak size, Infrastructure leaking (meter, pipe, valve, hydrant, other) will be indicated.

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4. Photographs of each leak shall be taken, and all leak positions shall be marked up on a network drawing or map.
5. A minimum of 7 days Flow logging shall be required at the Main supply pipe to the focus area. This logging shall be required prior to starting with the visual leak detection.
6. The service provider is expected to determine the minimum night flow and compute the level of leakage within the area.
7. A minimum of 3 days of Pressure Logging shall be required at 4 points within the focus area. Fire hydrants, hose reels and Taps shall used when logging pressures at the critical point, Lowest point, and average point.
8. Graphical representation and raw data shall be required for all data Logging to be done.

**b) Building of an RDP standard house for a needy family in Lerome**

Construction of 1 x 84m<sup>2</sup> house for a destitute family in Lerome Village

2.3 CITY OF TSHWANE

City of Tshwane: Building & Fixing of Toilets at a community hall build by MW and a local School toilet construction: Lethamaga middle school in Ramotse

- Design and Construction of ablution facilities at a school and a community hall

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### 3. Deliverables

#### Stage 1 –Inception

- I. Agreed services and scope of work.
- II. Signed agreement.
- III. Report on project, site and functional requirements.
- IV. Schedule of required surveys, tests, analyses, site and other investigations.
- V. Schedule of consents and approvals and related lead times.

#### Stage 2 – Design Development (also termed Detail Design)

- I. Design Leak Detection development drawings.
- II. Outline specifications.
- III. Local and other authority submission drawings and reports.
- IV. Detailed estimates of construction costs.

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#### Stage 3 – Documentation and Procurement

- I. Specifications.
- II. Services co-ordination.
- III. Working drawings.
- IV. Budget construction cost.
- V. Tender documentation.
- VI. Tender evaluation report.
- VII. Tender recommendations.
- VIII. Priced contract documentation

#### Stage 4 – Contract Administration and Inspection

- I. Schedules of predicted cash flow.
- II. Construction documentation.
- III. Drawings register.
- IV. Estimates for proposed variations.
- V. Contract instructions.
- VI. Financial control reports.
- VII. Valuations for payment certificates.
- VIII. Progressive and draft final account(s)
- IX. Practical completion and defects list
- X. All statutory certification and certificates of compliance as required by the Local and other Statutory Authorities

## 4. : Full Time Construction Monitoring

#### Stage 5 – Close-Out

- I. Valuations for payment certificates
- II. Works and final completion lists
- III. Operations and maintenance manuals, guarantees and warranties
- IV. As-built drawings and documentation
- V. Final accounts



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## 5. Pricing Schedule

Item	Description	SI Unit	Quantity	Rate	Amount
<b>Planning Phase</b>					
1	Inception Reports	Sum	1	R	R
2	Leak Detection Services: Visual Inspection	Sum	1	R	R
3	Data Logging – Flow (minimum of 7 days)	Sum	1	R	R
4	Data Logging – Pressure (4 points, minimum of 3 days)	Sum	1	R	R
5	Data analyses and Reporting (Detailed Design)	Sum	1	R	R
<b>Procurement Phase</b>					
6	Compiling Tender and RFQ Documents for the appointment of a Contractors	Sum	1	R	R
7	Printing of Tender Documents	No	30	R	R
8	Participate in the Magalies Water Bid Specification Committee and Bid Evaluation Committee	Sum	1	R	R
<b>Implementation Phase</b>					
9	Part Time (twice a week) Construction Monitoring	Month	6	R	R
10	Part Time (Once a week) Health and Safety/ Environmental Monitoring	Month	6	R	R
<b>Close Out Phase</b>					
11	Close Out Reports	Sum	1	R	R
<b>Project Disbursements</b>					
12	Printing and Copying	Sum	1	R	R
13	Travel	Sum	1	R	R
<b>Sub-Total</b>					R
<b>VAT at 15%</b>					R
<b>TOTAL OFFER</b>					R

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### 5.1 PROJECT PAYMENTS

The project components will be completed progressively, the milestones against which project progress can be monitored will be paid upon completion of such milestones from Stage 1 to Stage 6.

## 6. Project Timelines

The project from Inception up to Close Out should be completed within months (3) months for Rustenburg LM and (3) Months for Moses Kotane LM and City of Tshwane. Project are not interlinked and would have to be delivered separate of each other.

## 7. Project Contract

The contract to be used for this RFQ will be the MAGALIES WATER Service Level Agreement (SLA), which will be a binding contract between MAGALIES WATER and the successful PSP. All penalties for non-performance will be set out in the Service level agreement.

## 8. RFQ Evaluation

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

The RFQ evaluation method for the evaluation of all responsive Quotation offers will be Method 2: Functionality, Price and preference.

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9. MANDATORY REQUIREMENTS

8.1.1 Bidder must attend the compulsory briefing

8.1.2 Submit Pr. Eng/Tech –Civil, ECS

8.2. Functionality Criteria

**A minimum functionality score of 60 Points should be achieved to move to the next phase of evaluation.**

No.	Technical / Functional Requirements	Weight
1.	Previous experience of similar task / Company proven track record of quality on design, construction <b>leak detection or network logging or reticulation design or domestic retrofitting projects</b> completed. <ul style="list-style-type: none"> <li>✓ Previously supervised projects of value R 200-500 000 per project or more shall be considered.</li> <li>✓ Schedule of Company experience to be attached together with practical completion letters, final completion letters of previous projects as evidence from clients, failure to submit such will result in zero (0) points allocated.</li> </ul>	<b>30 Points</b>
	<ul style="list-style-type: none"> <li>◦ 4 or more similar assignments / projects <i>30 points</i></li> </ul>	
	<ul style="list-style-type: none"> <li>◦ 2 - 3 similar assignments / projects <i>25 points</i></li> </ul>	
	<ul style="list-style-type: none"> <li>◦ 1 similar assignments / projects <i>10 points</i></li> </ul>	
	<ul style="list-style-type: none"> <li>◦ 0 projects <i>0 points</i></li> </ul>	

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2.	<b>Qualifications and experience of Key Personnel</b>		
3.	Professional qualification of <b>Lead Engineer</b> .		<b>10 points</b>
	<ul style="list-style-type: none"> <li>✓ A <b>Lead Engineer</b> with a Bachelor of Science Degree in Civil Engineering or Bachelor of Technology Degree in Civil Engineering or National Diploma in Civil Engineering.</li> <li>✓ Professional registration with Engineering Council of South Africa (ECSA) as Pr. Eng. or Pr. Tech Eng. Pr. Techni.</li> <li>✓ Please attach Copies of Certificates and Qualification.</li> </ul>		
	<b>Evaluation of Lead Engineer Qualification</b>		
	Proof of Qualifications <b>and</b> Professional Registration for <b>Lead Engineer</b> to be attached	15 points	
	No Proof of Qualifications and/or Professional Registration	0 points	
	<b>Lead Engineer</b> experience.		<b>15 Points</b>
	<ul style="list-style-type: none"> <li>✓ Should demonstrate capacity in terms of experience on similar projects related to WCWDM &amp; War on leaks programme, that is <b>leak detection or network logging or reticulation design or domestic retrofitting projects</b> completed.</li> <li>✓ Please attach Comprehensive CV to be attached.</li> </ul>		
	<b>Evaluation of Lead Engineer Experience</b>		
	◦ No CV attached	0 points	

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<ul style="list-style-type: none"> <li>◦ 1 – 5 Years of experience</li> </ul>	5 points	
<ul style="list-style-type: none"> <li>◦ 6&lt; Years of experience</li> </ul>	15 points	
<b>Professional qualification of Resident Engineer</b>		<b>5 Points</b>
<ul style="list-style-type: none"> <li>✓ A <b>Resident Engineer</b> with with a Bachelor of Science Degree in Civil Engineering or Bachelor of Technology Degree in Civil Engineering or National Diploma in Civil Engineering.</li> <li>✓ Professional registration with Engineering Council of South Africa (ECSA) as Pr. Eng. or Pr. Tech Eng. Pr. Techni. Or Registered as Professional Project Manager under</li> <li>✓ Please attach Copies of Certificates and Qualification.</li> </ul>		
<b>Evaluation of Qualification</b>		
Proof of Qualifications <b>and</b> Professional Registration for site agent to be attached	5 points	
No Proof of Qualifications and/or Professional Registration	0 points	
<b>Resident Engineer Experience</b>		<b>15 Points</b>
<ul style="list-style-type: none"> <li>✓ Should demonstrate capacity in terms of experience on similar projects related to <b>experience of design/ construction supervision of leak detection or network logging or reticulation design or domestic retrofitting projects</b> completed.</li> <li>✓ Please attach Comprehensive CV to be attached.</li> </ul>		
<b>Evaluation of Experience</b>		

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	<ul style="list-style-type: none"> <li>◦ No CV attached</li> </ul>	0 points	
	<ul style="list-style-type: none"> <li>◦ 1 – 2 Years</li> </ul>	4 points	
	<ul style="list-style-type: none"> <li>◦ 2 – 4 Years</li> </ul>	6 points	
	<ul style="list-style-type: none"> <li>◦ 5 and above</li> </ul>	15 points	
4.	<b>Proposed Schedule/ Programme</b>  <ul style="list-style-type: none"> <li>✓ Bidder to attach a high level schedule in Microsoft Project format or similar to demonstrate capacity to plan project activities within stipulated timeframes from appointment to commissioning.</li> </ul>		<b>15 Points</b>
	<ul style="list-style-type: none"> <li>◦ No Gants Chart attached</li> </ul>	0 points	
	<ul style="list-style-type: none"> <li>◦ Proposed schedule is within (9 months) client's expectations</li> </ul>	5 points	
	<ul style="list-style-type: none"> <li>◦ Proposed schedule is within (9 months) client's expectations. Schedule indicates project critical path, resources utilisation.</li> </ul>	10 points	
	<b>Method Statement</b>		<b>10 Points</b>
5.	<ul style="list-style-type: none"> <li>No method statement attached</li> </ul>	0 points	
	<ul style="list-style-type: none"> <li>Method statement not detailed indicating processes relating to <b>project scope of works and in line with project deliverables.</b></li> </ul>	5 points	

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	Method statement detailed indicating processes relating to <b>scope of works and in line with project deliverables.</b>	10 points	
	<b>Total points</b>		<b>100</b>

## 9. PROJECT REPORTING

The service provider is expected to prepare and submit a completion report at the end of the project. The report shall include leakage reporting, data logging and reporting and recommendations on how leakage found can be fixed. Formulate a leak detection approach methodology.

- Identify and acquire as-built drawings and information for the area.
- Acquire historical data on system input volume from the discrete zones.
- Assessments and data analysis.