

Requesting Office: Procurement	
Contact Person: Tebogo Aphané	
Contact Numbers: 014 597 4636	
Facsimile:	RFQ- WAR ON LEAKS MOSES KOTANE
E-mail address: tebogoa@magalieswater.co.za	

DATE ISSUED: 23 APRIL 2024

CLOSING DATE: **03 MAY 2024**

TIME: 16:00

PLACE OF DELIVERY: **MOSES KOTANE**

**NB: COMPULSARY BRIEFING ON MONDAY 29 APRIL 2024 AT MOSES KOTANE MUNICIPAL OFFICE
(COUNCIL CHAMBER FOYER) TIME: 10:00am**

For More information/query email: tebogoa@magalieswater.co.za or call 014 597 4636

Item No.	Description/Specification	QTY
10	<p>Technical Information and specifications</p> <p>Description of work</p> <p>Magalies Water Board seeks to employ a Professional Service Provider on a turnkey basis to carry out Planning, Studies, Investigations and Assessments and leaks repair to precede the other “Normal Services” as set out in the Engineering Professions Act of 2000 (Act No. 46 of 2000).</p> <p>The professional service provider is required to conduct leak detection and identify potential leakage areas or points that will enable implementation of leakage repairs and retro fitting exercise to realize water savings in Mogwase within the Moses Kotane Local Municipality.</p> <p>area of focus</p>	

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	<p>a) Moses Kotane Local Municipality</p> <p>The leak detection exercise is required to be conducted in Mogwase, Units 4 and Unit 5 N&S within the Moses Kotane Local Municipality. Mogwase has an estimated water reticulation network of 26km. The estimated population supplied by this network is 10 473. The water reticulation network consists of uPVC pipe material. Leak detection will be undertaken on pipe sizes ranging from 25mm to 150mm, connections such as fire hydrants, gate valves, butterfly valves, ball valves, scour valves, air valves, meters and other fittings.</p> <p>SCOPE OF WORKS</p> <ul style="list-style-type: none"> • Visual leak detection investigations shall be undertaken at various locations within the reticulation network. • 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. • 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. • Photographs of each leak shall be taken, and all leak positions shall be marked up on a network drawing or map. • 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. • The service provider is expected to determine the minimum night flow and compute the level of leakage within the area.
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- 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.
- Graphical representation and raw data shall be required for all data Logging to be done.
- 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.
- Pricing should be inclusive of equipments to be utilized and all other costs associated with the scope of works.
- 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.
- Implementation of leakage repairs and retro fitting exercise
- Assessments and data analysis.
- Project Reporting.

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 3 – Design Development (also termed Detail Design)

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

Pricing Schedule

Item	Description	SI Unit	Quantity	Rate	Amount
Planning Phase					
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
Procurement Phase					
6	Printing of Documents	No	30	R	R
Implementation Phase					

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7	Part Time (twice a week) Construction Monitoring	Month	2	R	R
8	Part Time (Once a week) Health and Safety/ Environmental Monitoring	Month	2	R	R
9	Procurement of materials			R	R
10	leakage repairs and retro fitting exercise			R	R
Close Out Phase					
11	Close Out Reports	Sum	1	R	R
Project Disbursements					
12	Printing and Copying	Sum	1	R	R
13	Travel	Sum	1	R	R
Sub-Total					R
VAT at 15%					R
TOTAL OFFER					R

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.

Project Timelines

The project from Inception up to Close Out should be completed within (4) weeks for Moses Kotane LM. Project are not interlinked and would have to be delivered separate of each other.

Project Contract

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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.

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.

1.1 Mandatory Requirements

- 8.1.1 Bidder attended the compulsory briefing
- 8.1.2 Submit a Valid certified B-BBEE Certificate/ Certified Sworn Affidavit
- 8.1.3 Completed and signed, Local Content and Declaration of Interest Form (SBD4)
- 8.1.4 State CSD Vendor number on the quotation
- 8.1.6 Quotation should state the physical address & contact details
- 8.1.6 The quotations will be evaluated in terms of the PPPFA using the 80:20 Preference point systems.
- 8.1.7 PM should have Pr. Eng/Tech –Civil, ECSA.

1.2 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 leak detection or network	30 Points

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		<p>logging or reticulation design or domestic retrofitting projects completed.</p> <ul style="list-style-type: none"> ✓ Previously supervised projects of value R 200 000 per project or more shall be considered. ✓ 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. 		
		<ul style="list-style-type: none"> ◦ 4 or more similar assignments / projects <i>30 points</i> ◦ 2 - 3 similar assignments / projects <i>25 points</i> ◦ 1 similar assignments / projects <i>10 points</i> ◦ 0 projects <i>0 points</i> 		
	2.	Qualifications and experience of Key Personnel		
	3.	<p>Professional qualification of Lead Engineer.</p> <ul style="list-style-type: none"> ✓ A Lead Engineer with a Bachelor of Science Degree in Civil Engineering or Bachelor of Technology Degree in Civil Engineering or National Diploma in Civil Engineering. ✓ Professional registration with Engineering Council of South Africa (ECSA) as Pr. Eng. or Pr. Tech Eng. Pr. Techni. ✓ Please attach Copies of Certificates and Qualification. <p>Evaluation of Lead Engineer Qualification</p>	10 points	

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		Proof of Qualifications and Professional Registration for Lead Engineer to be attached	15 points	
		No Proof of Qualifications and/or Professional Registration	0 points	
		Lead Engineer experience. <ul style="list-style-type: none"> ✓ Should demonstrate capacity in terms of experience on similar projects related to leak detection or network logging or reticulation design or domestic retrofitting projects completed. ✓ Please attach Comprehensive CV to be attached. 		15 Points
		◦ No CV attached	0 points	
		◦ 1 – 5 Years of experience	5 points	
		◦ 6< Years of experience	15 points	
		Professional qualification of Resident Engineer <ul style="list-style-type: none"> ✓ A Resident Engineer with with a Bachelor of Science Degree in Civil Engineering or Bachelor of Technology Degree in Civil Engineering or National Diploma in Civil Engineering. 		5 Points

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		<ul style="list-style-type: none"> ✓ 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 ✓ Please attach Copies of Certificates and Qualification. <p>Evaluation of Scientist Qualification</p>		
		Proof of Qualifications and Professional Registration for site agent to be attached	5 points	
		No Proof of Qualifications and/or Professional Registration	0 points	
		<p>Resident Engineer Experience</p> <ul style="list-style-type: none"> ✓ Should demonstrate capacity in terms of experience on similar projects related to experience of design/ construction supervision of leak detection or network logging or reticulation design or domestic retrofitting projects completed. ✓ Please attach Comprehensive CV to be attached. <p>Evaluation of Scientists Experience</p>		15 Points
		◦ No CV attached	0 points	
		◦ 1 – 2 Years	4 points	
		◦ 2 – 4 Years	6 points	
		◦ 5 and above	15 points	

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		4.	Proposed Schedule/ Programme	15 Points
			<ul style="list-style-type: none"> ✓ 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. 	
			<ul style="list-style-type: none"> ◦ No Gants Chart attached 	0 points
			<ul style="list-style-type: none"> ◦ Proposed schedule is within (9 months) client's expectations 	5 points
			<ul style="list-style-type: none"> ◦ Proposed schedule is within (9 months) client's expectations. Schedule indicates project critical path, resources utilisation. 	10 points
			Method Statement	10 Points
		5.	No method statement attached	0 points
			Method statement not detailed indicating processes relating to project scope of works and inline with project deliverables.	5 points
			Method statement detailed indicating processes relating to scope of works and inline with project deliverables.	10 points
			Total points	100

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1.3 Functionality Criteria

The following preference point systems are applicable:
The 80/20 system for requirements with a Rand value of up to R50 000 000

Points for this bid shall be awarded for:

- (a) Price
- (b) B-BBEE Status Level of Contributor.

The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	100

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

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

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.

All non-responsive bids will be rejected.

The Government Procurement General Conditions of Contract shall apply.