

Requesting Office: Magalies Water Vaalkop Plant	
Contact Person: Evans Maluleke	
Contact Numbers: 012 277 1452/1290	
Facsimile:	
E-mail address: evansm@magalieswater.co.za	RFQ – MANUAL

DATE ISSUE: 04 JUNE 2024

CLOSING DATE: **14 JUNE 2024**

PLACE OF DELIVERY: **Vaalkop Water Treatment Plant**

75 JQ Farm Bulhoek

Beestekraal

0255

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

Item No.	Description/Specification	Quantity
1.	Repair 3 Vaalkop WTW Distribution Telemetry stations	
	Repair 3 Vaalkop WTW Distribution Telemetry stations (see the attached scope of work)	

REPAIR 3 VAALKOP WTW DISTRIBUTION RESERVIOR TELEMETRY SATIONS.

1. INTRODUCTION

1.1 Magalies Water (MW) is one of several water boards that was established in terms of the Water Services Act 108 of 1997. The Act stipulates the mandate of water boards which can be summarised as follows:

- a) To provide bulk water services as primary activity in terms of Section 29 of the Water Services Act 108 of 1997
- b) and other activities in terms of Section 30 Water Services Act 108 of 1997;

Vaalkop Water Treatment Plant is one of the existing MW treatment plants and supplies potable water to North West and parts of Limpopo Province. The 270 Mℓ/day plant serves, amongst others, the following major consumers: Thabazimbi, Moses Kotane and Rustenburg Local Municipalities, Royal Bafokeng Administration, Royal Bafokeng Platinum Mines, Xstrata (SA Chrome), Amandabult (Anglo Platinum), Swartklip Mine, Pretoria Portland Cement, Northam Platinum and Impala Platinum. The bulk distribution mains from the Vaalkop WTW, supply larger towns, villages, and mines with off takes along the routes.

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1.2 Vaalkop Water Treatment Plant was recently upgraded to 270ML/d and currently the WTP consists of 4 plants namely:

Plant 1: 30 Mℓ/d

Plant 2: 90 Mℓ/d

Plant 3: 120 Mℓ/d; and

Plant 4: 30 Mℓ/d

2.1) REPAIR 3 VAALKOP WTW RESERVIOR TELEMETRY STATIONS

A) REPAIR DOORNHOEK RESRVIOR TELEMETRY SYSTEMS SSE

- 1) Supply, install and configure the Maestro 2000 CPU12 with ASC1- 14 Way- x 1
- 2) Supply & install Surge protection non isolated 8 channel with Ribbon cable interface to I/O modules X 1
- 3) Supply & install Ribbon cable 500mm (AIN) X 1
- 4) Supply and install Sensus reed Switch RD01 for WP-Dynamic meter x 3
- 5) Generate a drawing, label the components and supply 2 for each Telemetry station

B) REPAIR MONAKATO RESERVIOR TELEMETRY SYSTEMS SSE

- 1) Supply, install and configure the Maestro 2000 CPU12 with ASC1- 14 Way- x 1
- 2) Supply & install Surge protection non isolated 8 channel with Ribbon cable interface to I/O modules X 1
- 3) Supply & install Ribbon cable 500mm (AIN) X 1
- 4) Radio to RTU interface cable X 1
- 5) Supply and install Sensus reed Switch RD01 for WP-Dynamic meter x 2
- 6) Generate a drawing, label the components and supply 2 for each Telemetry system

C) REPAIR MODIKWE RESERVIOR TELEMETRY SYSTEMS SSE

- 1) Vandal Resistant enclosure 743 x 580 x 394 (Interlock FTC4) x 1
- 2) Vandal Proof Solar panel with interlock SPX80W panel included x 1

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- 3) Interlock 0.5m stand pipe Concrete Flange x 1
- 4) Interlock Cabinet MLC lock tool (Key/ Opening Tool) x 4
- 5) Antenna pipe complete with bracket and flange (Interlock) x 1
- 6) Maestro 2000 CPU12 with ASC1- 14 Way- Complete x 1
- 7) SSE- Surge Protection (BBDI8) - Complete x 1
- 8) BOM Cable to connect RTU 14 Way to BBDI x 1
- 9) Radio GE MDS SD4 SS 400- 450MHz, ETSI x 1
- 10) SSE PSU swm 100 v7 x 1
- 11) SSE Fused Power Distri Board PDISTB1 x 1
- 12) Factory build 04 enclosure x 1
- 13) Enclosure 04 factory build up x 1
- 14) Generate Drawing x 2
- 15) Site Installation Material x 1
- 16) Sundries x 1
- 17) Controller BlueSolar PWMLight (12/24/10A) x 1
- 18) Polyphaser Bulkhead N-Type Fem x 1
- 19) Cable RF Coax LMR400 low loss foam 50 ohm x 10
- 20) N-Type Male for 7/8 Hliax Telegartner x 2
- 21) Antenna Folded Dipole 440 MHz UHF N-Type HD x 1
- 22) Corner Reflector 9 dB to 406 – 470 MHz x 5
- 23) Battery Sealed lead acid 12 Volt 18A/H x 1
- 24) Cable Mylar Screened 4 pair 0.22mm x 100

D) REPAIR MOGWASE RESERVIOR TELEMETRY SYSTEMS SSE

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- 1) Supply, install and configure the Maestro 2000 CPU12 with ASC1- 14 Way- x 1
- 2) Supply and install solar regulator X 1
- 3) Supply and install Sensus reed Switch RD01 for WP-Dynamic meter x 5
- 4) Generate a drawing, label the components and supply 2 for each Telemetry station

E) RTU programming tools

- 1) Supply USB to RS232 cable X 2
- 2) RTU programming cable 2m x 2
- 3) RTU programming cable 20m X 2

F) APN SUBSCRIPTION RENEWAL

- 1) APN Subscription renewal until April 2025 for 13 stations
- 2) Labour 8 days
- 3) Travelling 6500 Km

G) Mainstream Sensus HRI-Mei-B4 32ms Quantity: 6

DN 20 11

DN 40-125 10 I

DN 150-300 100 I

3. Objectives

The objective is to outsource an experienced contractor for the repair of Vaalkop WTW Distribution Telemetry stations.

4. Deliverables

- a) Fully functional Telemetry system

5. Evaluation Phases

Phase 1: Administration Compliance (if not submitted bid will be disqualified)

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Phase 2: Functional /technical Evaluation

Phase 3: Points awarded for price and B-BBEE Status level of contribution (80/20 preferential point System)

Phase 1

ADMINISTRATIVE MANDATORY REQUIREMENTS

The information contained in the table below is mandatory and will be used in assessing the compliance of bids. Failure to submit and complete all the mandatory information will result in bids being deemed “non-responsive” and therefore will not be evaluated further.

Item No	Name of documents that must be submitted
1	Letter from DTI declaring the OEM status or letter of intellectual property rights or Affiliations and accreditations from an OEM (if not in position of CIDB grading)
2	CIDB 1EP/EB or higher
3	Central Supplier Database (CSD) or CSD registration number
4	Bidders shall submit subcontracting agreements between the main contractor and the subcontractor with this bid (if applicable):
5	Joint ventures Certificate or Agreement (if applicable):

N.B: Failure of bidders to meet all the above mandatory requirements will result in bids being disqualified and won't be evaluated further.

Phase 2: Functional /technical Evaluation

Submitted proposals will be assessed based on the following evaluation criteria:

a) Functionality

Company Experience	Points
<p>Experience in Installation, Configuration, Maintenance and Commissioning of a Telemetry system on water treatment water plant or similar environment.</p> <p>Projects from the bidder should be indicated on a schedule of company experience to be attached together with reference letters or completion letter of previous similar projects as evidence from clients.</p> <p>Evaluation</p> <ul style="list-style-type: none"> • Company experience of 3 or more similar projects (30 points) • Company experience of 2 similar projects (20 points) • Company experience of 1 similar project (10 point) • Company experience of 0 similar projects (0 points) 	30 points

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Experience of Technician/ Artisan	
<p>Capability, knowledge and experience of OEM Technician or Instrument Mechanician or Electrician or higher with SSE OPC Module 1 & 2 certificates to be used on the assignment (CV with contactable reference).</p> <p>Experience</p> <ul style="list-style-type: none"> • 5 or more years' experience Installation, Configuration, Maintenance and Commissioning of Telemetry systems (40 points) • 4 years' experience Installation, Configuration, Maintenance and Commissioning of Telemetry systems (30 points) • 2 years' experience Installation, Configuration, Maintenance and Commissioning of Telemetry systems (20 points) • 0 -2 years' experience without any of the certification (0 points) 	40 points
Vehicles and Equipment	
<p>Availability/Allocation of resources (See the below Equipment Inventory List and fill in)</p> <ul style="list-style-type: none"> • Bidders to submit Proof of ownership or proof (letter of support) of intention to lease the equipment. Vehicle registration documentation to be attached. Tools and Equipment to be listed. <p>Evaluation of Equipment Resource Capacity Vehicle (Car/Bakkie/Truck) and test Equipment (field programmer with SSE OPC) (30 points) If provided only one item for the above. (0 points)</p>	30 points
Tenderers must achieve a minimum functionality score of 60% in order to qualify for further evaluation on price and preference points.	Total 100

Phase 3: Points awarded for price and B-BBEE Status level of contribution (80/20 preferential point System)

6. Timelines

Bidders to state expected equipment lead times. Letter from Original Equipment Manufacturer (OEM) or supplier of a period not exceeding 2 months.

7. Health and Safety

The work shall comply with the Occupational Health and Safety Act, Act no 85 of 1993 and the applicable regulations such as SANS, IEC etc.

Prior to appointment of the contractor, he shall, in terms of Section 5.1 of the Act, provide proof that:

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- He has the necessary competencies and resources to perform the work safely.

8. SHE File

- SHE file shall be compiled and submitted to Magalies water within 7 days prior to onsite work commencement for approval/disapproval by end user & SHE department and kept onsite during the duration of the work which shall consists of the following items:
 - Baseline SHE Risk Assessments for work to be undertaken.
 - Method statement for work to be undertaken.
 - Proven competence of ability to conduct work (includes competence declaration, competence certificates, affiliations, testimonials, relevant standards and reference).
 - Organogram, CV's, Identity document and qualifications of service provider employees or contractors on site.
 - SHE training (includes induction, awareness training, as necessary while operating under Magalies Water's control takes about 2 hours).
 - Provision and use of personal protective equipment.

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9. Company Experience of Bidder

[Note for the Bidder: The bidder must complete the information set out below in order to establish an overall picture of the company's experience, capacity and ability to undertake the work]

The bidder must provide the following information:

Client Name	Contract Value	Contract Period (Start and End Dates)	Scope of services provided	Name, title and telephone contact of client
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

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10. Vehicles and Equipment Inventory List

[Note for the Bidder: The bidder must complete the vehicles and equipment inventory list in full and attach proof of ownership or lease agreements or letter of commitment to secure vehicle and test equipment. The inventory list must also show if the vehicle and equipment ownership or leased and proof of ownership/lease must be provided or commitment letter to secure vehicle and test equipment i.e. lease agreement of the vehicle and equipment. Basic transport vehicle car/bakkie/truck and Laptop/Field programmer with an SSE OPC equivalent.]

Item Name	Description (Make and Model)	Leased/Owned	# Days in a month dedicated to Magalies Water	# Days in a month dedicated to other projects
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

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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 by no later than 16h00 to the email below. Email: evansm@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. DOCUMENTS REQUIRED

The quotation will be verified 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

*NB All non-responsive bids will be rejected.

4. EVALUTION OF QUOTATION

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

5. TERMS & CONDITIONS

- 5.1. Quotations received after the closing date will not be accepted.
- 5.2. All costs to be included in the quotation.
- 5.3. Delivery must take place at the specified place.
- 5.4. Quotations to be valid for 30 days from date of issue.
- 5.5. The Government Procurement General Conditions of Contract shall apply.