

Requesting Office: Magalies Water Vaalkop Plant	
Contact Person: Evans Maluleke	
Contact Numbers: 012 277 1452/1290	
Facsimile:	RFQ – 10019269
E-mail address: evansm@magalieswater.co.za	

DATE ISSUE: 04 OCTOBER 2023

CLOSING DATE: **12 OCTOBER 2023**

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	SERVICE 5 GENERATORS AT BRUSSELS PUMP SET	
	Service 5 Generators at Brussels Pump Station & Pudimore WTW Scope of work and Generator specification is attached Contact Person (Phemelo Mosimanyana) 0724135116 Quotation should cover Major Service on the Generator-Set Replacement of all filters and batteries (Mechanical and Electrical)	

Brussels pump station & Pudimoe WTW Generators repairs

Brussels Pump Station:

Engine and Generator Specification (Generator 1 and 2)

Electrical	Mechanical	Qty
Make: Emmerson Type: B400 – F6S/4 Serial no: 082657001 Rating: 110KVA Voltage: 400V Current: 1587Amps	Product model: VWXCK 385040 Engine Mod: KTA38-G5 Serial No: VD 150302702 and VD 150302701 Fuel filter: Fleetgaurd FF 202 and there are 2 (two) of them Oil filter: Fleetgaurd LF670 and there are 4 (four) of them Water coolant filter: Cummins 3100308 and there are 4 (four) of them	2

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Speed: 1500 rpm Frequency: 50HZ Weight: 1920 kg Bearings: 6320 C3 Ins Class: H Connection: Star AVR R29050 Shunt Phases: 3PH Breaker: ABB SACE T Max T7S 1600 400V 50KA Battery: 150 A/h 692PS (two sets of two)	Air filter: Fleetgaurd 13335-910322 Fan belt: 3003821 and there are 4 (four) of them Alternator fan belt: Cummins 3024614 and there is 1 (one) of them Weight 862 kg (Dry) The Diesel tank at Brussels is empty and the pipe for level indication is broken. Additional Information The engine is a Cummins V12 diesel. All piping seems to be in place and in good condition. Engine seems to be in good condition. Oil level is correct and still shows that it has never run as the oil is clean. Fan belts are still new. Engine, oil, water and diesel to be changed and system needs to be flushed and cleaned due to the eight (8) year duration it has been standing. The engine information is as follows:	
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Podimoe WTW (3 off Generators)

Podimoe Plant: There are 2 (two) types of engines, 1 (one) engine is a TMU V16 diesel and 2(two) are Cummins V12 diesel. All piping seems to be in place and in good condition. Engines seems to be in good condition. Oil levels are correct and still shows that it has never run as the oil's are clean. Fan belts are still new. Engine, oil, water and diesel to be changed and systems need to be flushed and cleaned due to the eight (8) year duration they has been standing. The engines information are as follows: Note: Generator 1 and 2 both has "Deep Sea" Generator controllers that is faulty. One is completely dead and the other has a blanc screen. Battery's needs to be replaced on all thee Generators (three sets of two battery's).

Engine and Generator Specification (Generator 3 Podimoe)

Electrical	Mechanical	Qty
Type: LSC LS4491L1 Serial No: 491-100080 Voltage: 400V Frequency: 50 Hz Current: 1443Amp Bearings: 6320 C3 Phases: 3Ph Additional information	Generator 1 (one) (MTU V16) Product model: V 16 2000 G65 Engine Mod: 536 110 744 Year Manufactured: 2011 Fuel filter: Donaldson P550529 and there is 1 (one) of them Oil filter: Donaldson P554005 and there are 2 (two) of them Air filter: Fleetgaurd 13335-910322	1

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<p>Allen Bradley SMC Flex Soft Starters also have some control cards not working. The control is done on the same Motorola PLC but is also not functioning. The pumps is started by hand about every 45minuts and it runs for 10 to 15 minutes and it then trips on low level. Mini Sub number 2 tripped Eskom on earth fault. 22KV / 400Volt 1000KVA. This transformer must be tested and send out for repairs. This is the standby transformer.</p>	<p>Fan belt: Unknown due to been painted and there are 4 (four) of them Alternator fan belt: Unknown due to been painted and there is 1 (one) of them Weight 2970 kg</p>	
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Engine and Generator Specification (Generator 4 Podimoe)

Electrical	Mechanical	Qty
<p>Emmerson Type B400 – F6S/4 Ser no: 082657001 Rating 110KVA 400V Current 1587Amps 1500 rpm Freq 50HZ Weight 1920 kg Bearing 6320 C3 Ins Class H Connection Star AVR R29050 Shunt 3PH Battery: 150 A/h 692PS (three sets of two).</p> <p>Additional information Allen Bradley SMC Flex Soft Starters also have some control cards not working. The control is done on the same Motorola PLC but is also not functioning. The pumps is started by hand about every 45minuts and it runs for 10 to 15 minutes and it then trips on low level. Mini Sub number 2 tripped Eskom on earth fault. 22KV / 400Volt 1000KVA. This</p>	<p>Engine number: 41199299 / 41199298 Engine Mod: KTA38-G5 Serial No: VD 150302702 and VD 150302701 Fuel filter: Fleetgaurd FS 1006 and there are 2 (two) of them Fuel filter water trap: Donaldson P920683 and there is 1 (one) of them Oil filter: Cummins (3889310) LF670 and there are 4 (four) of them Water coolant filter: Cummins 3100308 and there are 4 (four) of them Air filter: Fleetgaurd 13335-910322 Fan belt: 3003821 and there are 4 (four) of them Alternator fan belt: Cummins 3024614 and there is 1 (one) of them Weight 862 kg (Dry)</p>	1

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transformer must be tested and send out for repairs. This is the standby transformer.		
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Engine and Generator Specification (Generator 5 Podimoe)

Electrical	Mechanical	Qty
<p>Emmerson Type B400 – F6S/4 Ser no: 082657001 Rating 110KVA 400V Current 1587Amps 1500 rpm Freq 50HZ Weight 1920 kg Bearing 6320 C3 Ins Class H Connection Star AVR R29050 Shunt 3PH Battery: 150 A/h 692PS (three sets of two).</p> <p>Additional information Allen Bradley SMC Flex Soft Starters also have some control cards not working. The control is done on the same Motorola PLC but is also not functioning. The pumps is started by hand about every 45minuts and it runs for 10 to 15 minutes and it then trips on low level. Mini Sub number 2 tripped Eskom on earth fault. 22KV / 400Volt 1000KVA. This transformer must be tested and send out for repairs. This is the standby transformer.</p>	<p>Engine number: 41199299 / 41199298 Engine Mod: KTA38-G5 Serial No: VD 150302702 and VD 150302701 Fuel filter: Fleetguard FS 1006 and there are 2 (two) of them Fuel filter water trap: Donaldson P920683 and there is 1 (one) of them Oil filter: Cummins (3889310) LF670 and there are 4 (four) of them Water coolant filter: Cummins 3100308 and there are 4 (four) of them Air filter: Fleetguard 13335-910322 Fan belt: 3003821 and there are 4 (four) of them Alternator fan belt: Cummins 3024614 and there is 1 (one) of them Weight 862 kg (Dry)</p>	1

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Delivarables: 5 generators in the working condition

Upon completion of the service and returning to service, the service provider shall provide a detailed comprehensive report with performance of the generator electrical and mechanical and recommendations.

SHE Requirements: (Safety File)

- Note: Contractor to obtain work permit from Magalies Water before work can commence.
- Baseline SHE Risk Assessments for work to be undertaken and emergency plan
- The Supplier shall supply all the labor, tools, material, equipment, facilities and supervision required at site during execution of activities
- Method Statements for work to be undertaken
- POEs with Proven competence of ability to conduct work (Includes competence declaration, competence certificates, affiliations, testimonials, and references) of key personnel: (boilermaker)
- Nonconformity/Incident/accident/near-miss reporting requirements
- Provision and use of personal protective equipment (PPE)

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 12h00 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.

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- 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.