



# Request for Sealed Quotations for the

**Supply and Delivery of Gas Chlorination and Online Instrumentation  
Systems for the Schwarzekuppe Reservoir**

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**Procurement Reference No: G/RFQ/NW-009/2026**

<b>Name of Bidder</b>		
<b>Contact Person</b>		
<b>E-mail Address</b>		
<b>Postal Address</b>		
<b>Total Amount N\$ (Excl. VAT)</b>		
<b>Contact Phone number</b>	<b>Work:</b>	<b>Mobile:</b>

**Documents must be posted / delivered to:**

**The Quotation/Bid Box**

**Att. Procurement Management Unit (+264 61 712015) ([bids@namwater.com.na](mailto:bids@namwater.com.na))**

Namibia Water Corporation Ltd.  
Private Bag 13389  
176 Iscor Street, Aigams Building  
Windhoek

**Closing Date: Thursday, 22 May 2025 at 11h00**

**NO LATE BIDS WILL BE ACCEPTED!**

## **NOTICE TO BIDDERS**

- Please take note of initializing all pages of the standard bidding document and initial all the supporting documents including company profiles, brochures, etc.**
- Take note to sign all relevant pages as stipulated in the bidding standard document.**

**Copies of documents not certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963) will not be accepted**



Namibia Water Corporation Ltd.  
Private Bag 13389, Windhoek, Namibia  
Tel: +264 61 71 2066  
Fax: +264 61 21 0741

## Letter of Invitation

[Name and Address of Bidder \_\_\_\_\_]

**Procurement Reference Number: G/RFQ/NW-009/2026**

**28 April 2025**

Dear Bidder,

### **Supply and Delivery of Gas Chlorination and Online Instrumentation Systems for the Schwarzekuppe Reservoir**

NamWater invites you to submit your best quote for the items described in detail hereunder.

Any resulting contract shall be subject, to the terms and conditions referred to in the document.

Queries, if any, should be addressed to Procurement Management Unit (e-mail:

[bids@namwater.com.na](mailto:bids@namwater.com.na)) Private Bag 13389 Windhoek, Namibia.

Please prepare and submit your quotation in accordance with the instructions given or inform the undersigned if you will not be submitting a quotation.

Yours faithfully

Procurement Management Unit

# SECTION I: INSTRUCTIONS TO BIDDERS

## 1. Rights of Public Entity

NamWater Ltd reserves the right:

- (a) to split the contract as per the lowest evaluated cost per item, and
- (b) to accept or reject any quotation; and
- (c) to cancel the quotation process and reject all quotations at any time prior to contract award.

## 2. Preparation of Quotations

You are requested to quote for the items mentioned in Section III by completing, signing and returning:

- (a) the Quotation Letter in Section II;
- (b) the List of Goods and Price Schedule Section III;
- (c) the Specifications and Compliance Sheet in Section V; and
- (d) any other attachment deemed appropriate.

You are advised to carefully read the complete bidding document, including the Special Conditions of Contract in Section VII, before preparing your quotation. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction.

## 3. Validity of Quotations

The Quotation validity period shall be **90** days from the date of submission deadline.

The tenderer shall initial each page after having read and completed this document. Any alterations made to any of the information contained in this document shall also be initialled.

## 4. Eligibility Criteria

To be eligible to participate in this Quotation exercise, you should:

- (a) Have a certified copy (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963)), of **A FULL VALID** company Registration Document;
- (b) Have an original or a certified copy (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963)), of a valid Good Standing Tax Certificate, as certified by the Commissioner of Oath.
- (c) Have a valid good Standing Social Security Certificate,
- (d) Have a valid certified copy (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963)), of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998 or a valid certified copy of the original document, as certified by the Commissioner of Oath;
- (e) Submit signed Bid-securing Declaration.

- (f) An undertaking on the part of the Bidder that the salaries and wages payable to its personnel in respect of this proposal are compliant to the relevant laws, Remuneration Order, and Award, where applicable and that it will abide to sub-clause 4.6 of the General conditions of Contract if it is awarded.
- (g) Supporting information/literature for all the items offered to substantiate compliance, where applicable.
- (h) A Bidder that is under a declaration of ineligibility by the Government of Namibia in accordance with applicable laws at the date of the deadline for bid submission or thereafter, shall be disqualified.

Bids from service providers appearing on the ineligibility lists of African Development Bank, Asian Development Bank, European Bank for Reconstruction and Development, Inter-American Development Bank Group and World Bank Group shall be rejected.

Links for checking the ineligibility lists are available at:

- Republic of Namibia, Procurement Policy Unit  
<https://egp2.gov.na/forms/SearchSuspendedBidders.jsf>
- African Development Bank  
<https://www.afdb.org/en/projects-operations/debarment-and-sanctions-procedures>
- Asian Development Bank  
<http://lnadbg4.adb.org/oga0009p.nsf/sancALLPublic?OpenView&count=999>
- European Bank for Reconstruction and Development  
<http://www.ebrd.com/pages/about/integrity/list.shtml>
- Inter-American Development Bank Group  
<http://www.iadb.org/en/topics/transparency/integrity-at-the-idb-group/sanctioned-firms-and-individuals,1293.html>
- World Bank Group  
<http://www.worldbank.org/en/projects-operations/procurement/debarred-firms>

## **5. Bid Securing Declaration**

Bidders are required to subscribe to a Bid Securing Declaration for this procurement process.

## **6. Delivery**

The Goods are to be delivered within **8 -16 weeks** from the date of Purchase Order or Letter of Acceptance.

Deviation in delivery period **shall not be accepted**.

## **7. Sealing and Marking of Quotations**

Quotations should be sealed in a single envelope, clearly marked with the Procurement Reference Number, addressed to NamWater with the Bidder's name and contact information at the back of the envelope.

## **8. Submission of Quotations**

Quotations should be deposited in the Quotation/Bid Box located at Namibia Water Corporation Ltd Head office, Private Bag 13389, 176 Iscor Street, Aigams Building,

Windhoek, not later than **Thursday, 22 May 2025 at 11h00**. Offers by post or hand delivered should reach Private Bag 13389 by the same date and time at latest. Late Offers will be rejected.

**Offers received by e-mail will not be considered.**

## **9. Opening of Quotations**

Quotations will be opened internally by NamWater immediately after the closing time referred to in instruction 8 above. A record of the Quotation Opening stating the name of the bidders, the amount quoted, the presence or absence of a Bid Security/Bid Securing Declaration, will be posted on the website of the Public Entity and available to any bidder on request within three working days of the Opening.

## **10. Evaluation of Quotations**

NamWater shall have the right to request for clarifications in writing during evaluation. Offers that are substantially responsive shall be compared based on price or ownership cost, subject to Margin of Preference where applicable, to determine the lowest evaluated quotation.

## **11. Technical Compliance**

Bidders shall submit along with their quotation documents, catalogues and any other literature to substantiate compliance with the required specifications and to qualify deviations if any with respect to NamWater's requirements.

The Specifications, Performance Requirements and Compliance Sheet details the minimum specifications of the goods/items to be supplied. The specifications have to be met but no credit will be given for exceeding the specifications.

## **12. Prices and Currency of Payment**

Prices shall be fixed in Namibian Dollars.

## **13. Margin of Preference**

13.1 The applicable margins of preference and their application methodology are as follows: **Not applicable**

## **14. Award of Contract**

The Bidder having submitted the lowest evaluated responsive quotation and qualified to supply the goods/items and related services shall be selected for award of contract. Award of contract shall be by issue of a Purchase Order/Letter of Acceptance in accordance with terms and conditions contained in Section VI: Contract Agreement and General Conditions of Contract.

**Partial award of complete item will be allowed.**

## **15. Notification of Award and Debriefing**

The Public Entity shall after award of contract promptly inform all unsuccessful bidders in writing of the name and address of the successful bidder and the contract amount and post a notice of award on its website within seven days. Furthermore, the Public Entity shall attend to all requests for debriefing made in writing within 7 days of the unsuccessful bidders being informed of the award.

## SECTION II: QUOTATION LETTER

(to be completed by Bidders)

[Complete this form with all the requested details and submit it as the first page of your quotation with the Price list and documents requested above. A signature and authorisation on this form will confirm that the terms and conditions of the RFQ prevail over any attachments. **If your quotation is not authorised, it will be rejected.**]

Quotation addressed to:	<b>Namibia Water Corporation Ltd</b>
Procurement Reference Number:	<b>G/RFQ/NW-009/2026</b>
Subject matter of Procurement:	<b>Supply and Delivery of Elivated Tower Booster, submersible boreline pumps and Chlorine Booster Pump for the Omitara WSS</b>

We offer to supply the items listed in the attached List of Goods and Price Schedule as per the defined specifications, *except for the qualified deviations [Bidder may delete this phrase in case of no deviation]* and, in accordance with the terms and conditions stated in your Request for Quotations referenced above.

We confirm that we are eligible to participate in this Quotation exercise and meet the eligibility criteria specified in Section 1: Instruction to Bidders.

We undertake to abide ethical conduct during the procurement process and the execution of any resulting contract.

We have read and understood the content of the Bid Securing Declaration (BSD) attached hereto and subscribe fully to the terms and conditions contained therein. We further understand that this subscription could lead to disqualification on the grounds mentioned in the BSD.

The validity period of the Quotation is ..... **days** from the date of the bid submission deadline.

We confirm that the prices quoted in the List of Goods and Price Schedule are fixed and firm and will not be subject to revision or variation, if we are awarded the contract **prior to the expiry** date of the quotation validity.

The delivery period offered from the date of issue of Purchaser Order/ Letter of Acceptance is as shown in the List of Goods items and Price Schedule.

### Quotation Authorised by:

Name of Bidder		Company's Address and seal	
Contact Person			
Name of Person Authorising the Quotation:	Position:	Signature:	
Date		Phone No./Fax	

**BID SECURING DECLARATION**  
**(Section 45 of Act)**  
**(Regulation 37(1)(b) and 37(5))**

**Date:** .....

**Procurement Ref No.:** .....

**To: Namibia Water Corporation Ltd., 176 Iscor Street, Ai//gams Building, Windhoek**

I/We\* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/We\* accept that under section 45 of the Act, I/we\* may be suspended or disqualified in the event of

- a) a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;**
- b) refusal by a bidder to accept a correction of an error appearing on the face of a bid;**
- c) failure to sign a procurement contract in accordance with the terms and conditions set forth in the bidding document, should I/We\* be successful bidder; or**
- d) failure to provide security for the performance of the procurement contract if required to do so by the bidding document.**

I/We\* understand this bid securing declaration ceases to be valid if I am/We are\* not the successful Bidder

Signed: .....  
[insert signature of person whose name and capacity are shown]

Capacity of:  
[indicate legal capacity of person(s) signing the Bid Securing Declaration]

Name: .....  
[insert complete name of person signing the Bid Securing Declaration]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
[insert date of signing]

Corporate Seal (where appropriate)

[Note\*: In case of a joint venture, the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]

**\*delete if not applicable / appropriate**





**Republic of Namibia**

**Ministry of Labour, Industrial Relations and Employment Creation**

**Written undertaking in terms of section 138 of the Labour Act, 2015 and section 50(2)(D) of the Public Procurement Act, 2015**

**1. EMPLOYERS DETAILS**

Company Trade Name:.....  
Registration Number :.....  
Vat Number: .....  
Industry/Sector: .....  
Place of business:.....  
Physical address:.....  
Tel no.:.....  
Fax no.:.....  
Email address:.....  
Postal address:.....  
Full name of Owner/Accounting officer:.....  
.....  
Email address:.....

**2. PROCUREMENT DETAILS**

Procurement Reference No.:.....  
Procurement Description: .....  
.....  
.....  
Anticipated Contract Duration: .....

Location where work will be done, good/services will be delivered: .....

.....

### **3. UNDERTAKING**

I ..... [insert full name], owner/representative

of ..... [insert full name of company]

hereby undertake in writing that my company will at all relevant times comply fully with the relevant provisions of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide to such shall lead to the action as stipulated in section 138 of the labour Act, 2007, which include but not limited to the cancellation of the contract/licence/grant/permit or concession.

**Signature:** .....

**Date:** .....

**Seal**.....

Please take note:

1. A labour inspector may conduct unannounced inspections to assess the level of compliance
2. This undertaking must be displayed at the workplace where it will be readily accessible and visible by the employees rendering service(s) in relations to the goods and services being procured under this contract.



NAME:	POSITION:	SIGNATURE	DATE
NAME OF BIDDER:	ADDRESS:		

1. If Price quoted is subject to change in rate of exchange at the time of delivery of goods provide details hereunder:

Currency: ..... Exchange Rate: .....

If no base rate of exchange is given, the price shall be treated as firm in Namibian Dollars for all intent and purpose.

Key notes: **NA**=NOT APPLICABLE, **NQ**=NO QUOTE

## ATTACHMENT

<b>1 Equipment Sizes: Gas Chlorination</b>				Tick Off
#	Description	Qty	Size	
1	Dosing Injector	2	As per specification below	
2	Automatic Dosing Regulator with Electric Servomotor	1	As per specification below	
3	Manual Dosing Regulator	1	As per specification below	
4	Change Over Unit on a Board	1	2 – 1 connection, As per specification below	
5	Vacuum Regulator	2	As per specification below	
<b>2 Equipment Sizes: Online instrumentation)</b>				Tick Off
1	Circulation Pump-Motor Set	2	230 V	
2	Dewatering Submersible Pump-Motor Set	1	230 V	
3	Heavy Duty Horizontal Plastic Tank	1	500 L	
<b>3 Associate Items for The Two Systems</b>				Tick Off
1	Chlorine Gas Mask with canisters <i>*(Gas Mask &amp; canister must fit each other)</i>	2	Adult size, Fits a size B2P3 canister/filter	
2	Extra Canisters for use with chlorine gas*	4	Filter: B2P3	
3	Standard sign notice “Chlorine Gas Danger”	1	~ 400 x 500 mm	
4	Standard sign notice “Chlorine Gas Handling”	1	~ 600 x 500 mm	
5	Standard sign notice “Chlorine Gas Surface”	1	~ 600 x 400 mm	
6	First Aid Instructions on “Chlorine Gas Exposure”	1	~ 400 x 500 mm	
7	Ammonia Hydroxide Solution 25% bottle	1	500ml	
8	Lab ware - Wash bottle with stem	1	250ml	
9	PVC High Pressure Cement	2	500ml	
10	PVC Solvent Cleaner	2	500ml	
11	Chlorine Safety Equipment Cabinet	1	Fits Gas Masks, Canisters & Ammonia bottle	
12	uPVC Pipe Class C (PN10) - 6 meter	10	50 mm	
13	uPVC Pipe Class C (PN10) - 6 meter	2	40 mm	

14	uPVC Pipe Class C (PN10) - 6 meter	30	32 mm	
15	uPVC Pipe Class C (PN10) - 6 meter	1	25 mm	
16	uPVC Pipe Class C (PN10) - 6 meter	1	20 mm	
17	Zim supports clips	15	50 mm	
18	Zim supports clips	15	40 mm	
19	Zim supports clips	25	32 mm	
20	Zim supports clips	10	25 mm	
21	Zim supports clips	20	20 mm	
22	Zim supports clips	20	15 mm	
23	Double Union Ball Valve	4	50 mm	
24	Double Union Ball Valve	3	40 mm	
25	Double Union Ball Valve FPM	12	32 mm	
26	Double Union Ball Valve FPM	3	25 mm	
27	Double Union Ball Valve FPM	5	20 mm	
28	Double Union Ball Valve FPM	12	15 mm	
29	Check Valve FPM	3	40 mm	
30	Check Valve FPM	4	50 mm	
31	Check Valve FPM	3	20 mm	
32	PVC 90 Degree Bend	4	50 mm	
33	PVC 90 Degree Bend	8	40 mm	
34	PVC 90 Degree Bend	15	32 mm	
35	PVC 90 Degree Bend	2	25 mm	
36	PVC 90 Degree Bend	8	20 mm	
37	Any other items will be needed to do actual installation	Set		
38	Chlorine Gas Sensor, Chlorine Gas Warning Unit (with an Optical and Acoustic Alarms) and	Set		
39	Electrical powered venting/extraction fans	2	<b>230 V</b>	

Typical Construction Items for the Two Systems				Tick Off
1	Polypropylene Sheet - Chlorine	1	1.8 m long x 1.2 m high	
2	Polypropylene Sheet – Online	1	1.5 m long x 0.9 m high	
3	Polypropylene Sheet – Online pumps	1	1.2 m long x 0.6 m high	
4	Pressure Gauge (Inlet) – Glycerin filled	1	15mm male thread; Capacity: - 0 - 100 mWh	
5	Diaphragm Pressure Gauge (Outlet) – Glycerin filled	1	15mm female thread; Capacity: - 0 - 20 mWh	
6	Dialock 2-Way Diaphragm Double Union Valve	1	20mm	
7	Dialock 3-Way Diaphragm Double Union Valve	2	20mm	
8	Mini Diaphragm Valve	3	15mm	
9	Air Valve	2	15mm Male thread; 10bar	
10	Male/Female Gauge Cock Brass	1	1/2" (15mm)	

### 3. SECTION IV: SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

#### 1. GENERAL

A gas chlorination and online instrumentation system is required to be designed, procured and installed at the Schwarzekuppe Reservoir. The system must be complete with the built board, equipment, pump-motor sets, pipework, operating apparatus, safety equipment and notices. The system must be built at the successful bidder's site and a NamWater representative must be consulted to approve the design, specifications and construction instructions. The bidder's and the NamWater representatives must agree on the quality of the built system before delivery to NamWater.

The gas chlorination and online instrumentation system will be installed in a building each on a concrete wall of minimum 1.8 m long by 1.2 m wide surface area. Three phase (380 VAC) power is available and a medium water source of up to 3 m<sup>3</sup>/h will be available on site. NamWater will connect the system on site.

The Typical Construction Items Sizes listed for construction in the tender in **Section III: List of Goods And Price Schedule** are a guide to the bidder, thus the bidder must take full responsibility to verify the sizes and quantities of the material required. Note that “**Associate Items**” must be installed or either delivered with the system.

The gas chlorination system will be used to treat **drinking water** and be operated as a 1 operating + 1 standby 1,000 kg chlorine cylinder system, complete with booster pump sets (1 operating + 1 standby) and chlorination board.

The online instrumentation system will be used to test the quality of drinking water and will measure free chlorine, pH and turbidity. The system will be operated as a 1 operating + 1 standby, complete with circulation pump sets (1 standby + 1 operating) and instrumentation equipment.

#### 2. EQUIPMENT THAT ARE NOT PART OF THIS TENDER

In the Gas Chlorination System, the following items are not part of this tender:



- Electrical Switchboard or motor control centre (MCC) for the system
- Electronic scales
- Chlorine booster pump-motor sets
- A flow sensor on the booster pump-motor set outlet pipework

In the Online Instrumentation System, the following items are not part of this tender:

- PH Meter
- Chlorine Meter
- Turbidity Meter
- A flow sensor on the circulation pump-motor set outlet pipework
- Electrical Switchboard or motor control centre (MCC) for the system

### 3. DOSING INJECTOR

#	Requirement	Specification
1	Body enclosure material	Solid machined PVC
2	Vacuum tube connection	PE 10x14 mm
3	Non-return	Diaphragm type
4	Water pipe connection type & size	DN25 PVC union plain connection
5	Design dosing rate (2.0 ppm)	3,400g/h
6	Maximum dosing capacity	0 – 4.0 kg/h
7	Counter pressure	±3.0 bar

### 4. AUTOMATIC DOSING REGULATOR WITH ELECTRIC SERVOMOTOR

#	Requirement	Specification
<b>A</b>	<b><u>Dosing Regulator:</u></b>	
1	Design dosing rate (At 2.0 ppm)	3,400g/h (Tube scale: 0 – 4000g/h)
2	Capacity range	0 – 4.0 kg/h
<b><u>General</u></b>		
1	Adjustment ratio	1:20
2	Accuracy	±4%
3	Measuring device	According to the floater principle, measuring tube 70mm
4	Materials: Enclosure Inlet valve Springs	PVC Silver/PTFE, special alloy Coated with nickel-chrome alloy

	Diaphragm Rate valve O-rings	FEP PVC FKM
5	Connections	Vacuum line: PE hose 10x14 mm
6	Mounting	Wall mounted in a compact enclosure
7	Control	Automatic control with servomotor
<b>B</b>	<b><u>Servomotor:</u></b>	
1	For proportional control (direct connection to water meter)	
2	Manual/automatic switch	
3	Trimmer for manual control open/close	
4	Keys for manual control open/close	
5	Input	4 - 20mA
6	Output	4 - 20mA
7	Feedback	4 - 20mA
8	Power supply	(AC) 230V ±10% 50Hz

## 5. MANUAL DOSING REGULATOR

#	Requirement	Specification
1	Design dosing rate (At 2.0 ppm)	3.4 kg/h (Tube scale: 0 – 4000g/h)
2	Capacity range	0 – 4.0 kg/h
<b>General</b>		
1	Adjustment ratio	1:20
2	Accuracy	±4%
3	Measuring device	According to the floater principle, measuring tube 70mm
4	Materials: Enclosure Inlet valve Springs Diaphragm Rate valve O-rings	PVC Silver/PTFE, special alloy Coated with nickel-chrome alloy FEP PVC FKM
5	Connections	Vacuum line: PE hose 10x14 mm

6	Mounting	Wall (board) mounted
7	Control	Manual

## 6. VACUUM REGULATOR

#	Requirement	Lot 1 Specification
1	Design dosing rate (At 2.0 ppm)	3.4kg/h
2	Capacity range	0 – 4.0 kg/h
<b>General</b>		
1	Accuracy	± 4%
2	Measuring device	None
3	Materials: Enclosure Inlet valve Springs Diaphragm Rate valve O-rings	PVC Silver/PTFE, special alloy Coated with nickel-chrome alloy FEP PVC FKM
4	Connections: Pressure side Vacuum line Vacuum safety line	PE hose 10x14 mm PE hose 10x14 mm PE hose 10x14 mm
5	Mounting	Vacuum regulator connected directly to pressure manifold that fits onto two 1000kg chlorine gas cylinders.
6	Pressure indicator	0 to 16bar
7	Dosing Rate Indicator	None

## 7. CHANGE OVER UNIT

#	Requirement	Lot 1 Specification
1.1	Design dosing rate (At 2.0 ppm)	3.4 kg/h
1.2	Capacity range	0 – 4.0 kg/h
<b>General</b>		
1	Materials: Enclosure Springs Diaphragm Piston/Valve O-rings	PVC Coated with nickel-chrome alloy FEP PVC FKM

2	Connections:	Pressure side Vacuum line	PE hose 10x14 mm PE hose 10x14 mm
3	Mounting		To be wall mounted
4	Control:	Accessories Max. Supply Voltage Power Consumption	Two reed contacts for remote indication 75 V DC / 50 V AC 1 A / 50 W

## 8. CIRCULATION PUMPS FOR THE ONLINE SYSTEM

The followings are specification and requirements of the circulation pump (**NamWater will do electrical connections of the circulation pump sets**): -

Pump-Motor Set		
#	Specification	Requirement
1	Pump Type	Circulation Pumps ( <b>Grundfos, WILO or similar</b> )
2	<u>Hydraulic Duty</u> Flow (l/min) & Head (kPa) Flow (m <sup>3</sup> /h) & Head (mWh)	15 l/min @ 400kPa 0.9 m <sup>3</sup> /h @ 40mWh
3	<u>Installation</u> Type Inlet Pipe Connection Outlet Pipe Connection	Inline Male Thread @ 6 bar Male Thread @ 6 bar
4	<u>Construction</u> Pump Hosing Impeller Shaft Bearing	Cast iron Polypropylene (PP) Stainless Steel Metal Impregnated Carbon
5	Control	Manual
6	<u>Electrical data</u> Power Requirement Insulation Class	Single phase, 230VAC, 50 Hz ±5% F

Enclosure Class	44
Protection	Overload

### 9. SUBMERSIBLE DEWATERING PUMP

This pump will be installed in the 500-litre plastic horizontal tank. The water from the from the online instrumentation will be pumped to the 500-litre tank and from the tank back to the concrete reservoir on site.

The followings are specifications and requirements of the dewatering pump: -

<b>Pump-Motor Set</b>		
#	Specification	Requirement
1.1	<u>Hydraulic Duty</u> Duty Point Shut off head	2 m <sup>3</sup> /h @ 20 mWh At least 25 mWh
<b>General</b>		
1	Pump Type	Submersible Dewatering Pump
2	<u>Installation</u> Type Outlet Pipe Connection Pressure Rating	Submersible Male Thread @ 6 bar 6bar
3	<u>Construction</u> Pump Hosing Impeller Motor housing Shaft Float Switch	Polypropylene (PP) Polypropylene (PP) Stainless Steel (SS) Stainless Steel (SS) Polypropylene (PP)
4	Control	With level float switch
5	<u>Electrical data</u> Power Requirement	Single phase, 230VAC, 50 Hz ±5%

	Protection	Thermal Overload, IP 68
6	Other	Non-Return Valve Connection Cable with Earth Plug

#### **10. SAFETY EQUIPMENT**

Safety items should consist of a Chlorine Gas Sensor, Chlorine Gas Warning Unit (with an Optical and Acoustic Alarms) and electrical powered venting/extractor fans for wall mounting to be delivered with the built board. Supporting literature showing power requirements and installation, operation and maintenance instructions should be attached.

#### **11. ATTACHED DRAWINGS**

The attached drawings are for illustration and guiding purposes and present the current NamWater standards of the two systems.

#### **12. INSPECTIONS**

NamWater will inspect all items upon delivery to ascertain if dimensions, pressure flange rating, materials and coating are correct. So NamWater will not send a technical person to go inspect the items at the factory (source of manufacturing of items), the onus thus rest with the supplier to ensure that all items are to specifications before delivery is made to NamWater.

Payment will only be made if all the delivered items are to specifications.

#### **13. LABELLING**

The supplier may use the item numbers already allocated or an appropriate method consistent with the order of the item's numbers in this document.

#### **14. AFTER SALES SERVICES**

An authorised sales agent capable of replacing the offered items during the guarantee period must be located in Namibia. The sales agent must be able to replace failed offered items to NamWater Head office within 30 working days of receipt of request for such items.

**The tenderer must provide a warranty of minimum 12 months on performance and mechanical wear from the day of delivery as a commitment on quality of offered items.**

## 15. SUPPORTING DATA

**Supporting literature showing power requirements and installation, operation and maintenance instructions should be attached.**

A tender will be **disqualified** if the following information is not included with the offer:

- Technical Supporting information for the **Dosing Injector**.
- Technical Supporting information for the **Automatic Dosing Regulator with Electric Servomotor** including information about the servo motor.
- Technical Supporting information for the **Manual Dosing Regulator**.
- Technical Supporting information for the **Vacuum Regulator**.
- Technical Supporting information for the **Change Over Unit**
- Technical Supporting information for **pump and motor models (circulation and dewatering sets) for each model offered**.
- Technical Supporting information for the **Chlorine Gas Sensor and Chlorine Gas Warning Unit with an Optical and Acoustic Alarms**

## SECTION V: SPECIFICATIONS AND COMPLIANCE SHEET

Procurement Reference Number: **Procurement Ref No. G/RFQ/NW-009/2026**

Bidders should complete column C with the specification of the goods offered and **attach annexures with detailed technical literature substantiating compliance**. Offers of equipment failing to comply with one or more of the specifications shall be disqualified. **Failure to complete column C of the Specifications and Compliance Sheet shall result in disqualification.**

Item No	Technical Specification Required	Compliance Specification Offered	of	Details of Non-Compliance/ Deviation (if applicable)
<i>A*</i>	<i>B*</i>	<i>C</i>		<i>D</i>
<b>1.0</b>	<b>GENERAL INFORMATION FOR ALL LOTS</b>			
	All items are suitable for use with potable water with a chlorine content up to 3 ppm?	(Yes/No)		
	Is the material of all items suitable for potable (drinking) water and safe for human and animal consumption?	(Yes/No)		
	Associate Items are to specifications and are included?	Yes/No		
	Safety Items are to specifications and are included?	Yes/No		
	Construction Items are to specifications.	Yes/No		
	<b>The supplier agrees to demonstrate the functionality of the equipment and/ items supplied at NamWater at their own cost?</b>	<b>Yes/No</b>		
<b>2.0</b>	<b>VACUUM PIPES &amp; FITTINGS FOR ALL LOTS</b>			
	<b>Chlorine gas vacuum tube (PE 10x14 mm)</b>	Yes/No		
	<b>Tube connection fittings (PE 10x14 mm)</b>	Yes/No		



<b>3</b>	<b>DOSING INJECTOR</b>		
	Design dosing rate (2.0 ppm/ 3.4 kg/h)	Yes/No	
	Maximum dosing capacity (4.0 kg/h)	Yes/No	
	Counter pressure (3 bar)	Yes/No	
	Motive pressure (bar)	.....	
	Motive Water (m <sup>3</sup> /h)	.....	
	<b>General</b>		
	Body enclosure material (PV)	Yes/No	
	Vacuum tube connection (PE 10x14 mm)	Yes/No	
	Non-return (Type)	.....	
	Water pipe connection type & size: DN25 PVC union plain connection	Yes/No	
<b>4</b>	<b>AUTOMATIC DOSING REGULATOR</b>		
<b>4.1</b>	<b><u>Dosing Regulator:</u></b>		
	Design dosing rate (3.4kg/h) (Tube scale: 0 – 4000 g/h)	Yes/No	
	Capacity range (0 – 4.0 kg/h)	Yes/No	
	Is the dosing tube scale appropriate for application?	Yes/ No	
	The dosing rate of 2000g/h is midway on the dosing tube scale	Yes/No	
	<b>General</b>		
	Adjustment ratio (1:20)	Yes/No	
	Accuracy (±4%)	Yes/No	

	Measuring device	.....	
	Materials: Enclosure: PVC	Yes/No	
	Inlet valve: Sliver/PFTE, special alloy	Yes/No	
	Springs: Coated with nickel-chrome alloy	Yes/No	
	Diaphragm: FEP	Yes/No	
	Rate valve: PVC	Yes/No	
	O-rings: FKM	Yes/No	
	Connections: Vacuum line (PE horse 8x11mm)	Yes/No	
	Mounting: Wall mounted in a compact enclosure	Yes/No	
	Control: Automatic control with servomotor	Yes/No	
<b>4.2</b>	<b><u>Servomotor:</u></b>		
	For proportional control (direct connection to water meter)	Yes/No	
	Manual/automatic switch	Yes/No	
	Trimmer for manual control open/close	Yes/No	
	Keys for manual control open/close	Yes/No	
	Input: (4 - 20mA)	Yes/No	
	Output: (4 - 20mA)	Yes/No	
	Feedback: (4 - 20mA)	Yes/No	
	Power supply: (AC) 230V ±10% 50Hz	Yes/No	
<b>5</b>	<b>MANUAL DOSING REGULATOR</b>		
	Design dosing rate (3.4 kg/h) (Tube scale: 0 – 4000 g/h)	Yes/No	

	Capacity range (0 – 4.0 kg/h)	Yes/No	
	Is the dosing tube scale appropriate for application?	Yes/ No	
	The dosing rate of 2000g/h is midway on the dosing tube scale	Yes/No	
<b>6</b>	<b>CHANGE OVER UNIT</b>		
	Capacity range: Maximum Flow rate (4.0 kg/h) Minimum Flow rate (500.0 g/h)	Yes/No Yes/No	
	Materials: Enclosure: PVC Inlet valve: PVC Springs: Coated with nickel-chrome alloy Diaphragm: FEP Rate valve: PVC O-rings: FKM	Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No	
	Connections: Pressure side Vacuum line	..... .....	
	Mounting: To be wall mounted	Yes/No	
	Control: Accessories: Two reed contacts for remote indication Max. Supply Voltage: 75 V DC / 50 V AC Power Consumption: 1 A / 50 W	Yes/No Yes/No Yes/No	
<b>7</b>	<b>VACUUM REGULATOR</b>		
	Design Dosing Rate: 3.4 kg/h Capacity range: 0 – 4.0 kg/h	Yes/No Yes/No	
	<b>General</b>		
	Accuracy: ±4%	Yes/No	

	Measuring device	Yes/No	
	Materials: Enclosure: PVC Inlet valve: Silver/PTFE, special alloy Springs: Coated with nickel-chrome alloy Diaphragm: FEP Rate valve: PVC O-rings: FKM	Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No	
	Connections: Pressure side (PE hose 8x11 mm) Vacuum line (PE hose 8x11 mm) Vacuum safety line (PE hose 8x11 mm)	Yes/No Yes/No Yes/No	
	Mounting: Vacuum regulator connected directly to pressure manifold that fits onto two 68kg chlorine gas cylinders.	Yes/No	
	Pressure indicator	Yes/No	
<b>8</b>	<b>CIRCULATION PUMP-MOTOR SET</b>		
	Pump Type, Make & Model: Grundfos or Wilo	Yes/No	
	Flow & Head: 0.9 m <sup>3</sup> /h @ 40mWh	Yes/No	
	Inlet/Outlet Pipe Connection: Male Thread @ 6 bar	Yes/No	
	Pump Hosing: Cast iron	Yes/No	
	Control: Manual	Yes/No	
	Power Requirement: Single phase, 230VAC, 50 Hz ±5%	Yes/No	
<b>9</b>	<b>SUBMERSIBLE DEWATERING PUMP</b>		
	Pump Type, Make & Model: Submersible, Grundfos or WILO	Yes/No	
	Hydraulic Duty Point: 2 m <sup>3</sup> /h @ 20 mWh	Yes/No	

	Outlet Pipe Connection: Male Thread Pressure Rating: 6bar	Yes/No Yes/No	
	Pump Hosing: Polypropylene (PP)	Yes/No	
	Control: With level float switch	Yes/No	
	Power Requirement: Single phase, 230VAC, 50 Hz $\pm$ 5%	Yes/No	
	Protection: Thermal Overload, IP 68	Yes/No	
<b>10</b>	<b>SAFETY EQUIPMENT</b>		
	Chlorine Gas Sensor, Chlorine Gas Warning Unit (with an Optical and Acoustic Alarms) are included.	Yes/No	
	2 off electrical powered venting fans for 230v supply are included.	Yes/No	

**NOTE:Tenders will be disqualified if this information is not included in the tender documents.**

**Only original documentation is acceptable and faxed copies of literature are unacceptable.**

**Information supplied in an electronic format will be accepted if in PDF format on a CD.**

**\*All Bids shall be accompanied with detailed supporting literature for the pumps, couplings and motors to enable Namwater to evaluate the conformity to specification and include additional features.**

**Specifications and Compliance Sheet Authorised By:**

Name:		Signature:	
Position:		Date:	
Authorised for and on behalf of:		Company	

## **SECTION VI: GENERAL CONDITIONS OF CONTRACT AND CONTRACT AGREEMENT**

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods (Ref. **G/RFQ-GCC**) [www.namwater.com.na](http://www.namwater.com.na) except where modified by the Special Conditions below.

## **SECTION VI: CONTRACT AGREEMENT**

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods except where modified by the Special Conditions.

## SECTION VII: SPECIAL CONDITIONS OF CONTRACT

Procurement Reference Number: **G/RFQ/NW-009/2026**

The clause numbers given in the first column correspond to the relevant clause number of the GCC.

Subject and GCC clause reference	Special Conditions
<b>Site</b> <b>GCC 1.1(m)</b>	The Site/final destination for delivery of the Goods is <b>176 Iscor Street NamWater at the Aigams Building, Northern Industrial Area in Windhoek</b>
<b>Incoterms Edition</b> <b>GCC 4.2(b)</b>	Incoterms shall be governed by the rules prescribed in Incoterms 2010.
<b>Notices</b> <b>GCC 8.1</b>	<p>Any notice shall be sent to the following addresses:</p> <p>For NamWater Ltd the address and the contact name shall be:            Procurement Management Unit            (Tel: +264 61 71 2015),            E-mail: <a href="mailto:bids@namwater.com.na">bids@namwater.com.na</a>            Private Bag 13389 Windhoek, Namibia</p> <p>For the Supplier, the address and contact name shall be:            _____</p>
<b>Delivery and Documents</b> <b>GCC 13.1</b>	<p>The Goods are to be delivered <b>8- 16 weeks</b> from the date of Purchase Order or Letter of Acceptance.</p> <p>The documents to be furnished by the Supplier are:</p> <ul style="list-style-type: none"> <li>(a) signed delivery note</li> <li>(b) Invoice</li> </ul>
<b>Price Adjustment</b> <b>GCC 15.1</b>	The price charge for the Goods supplied and the related Services performed shall not be adjustable.

Subject and GCC clause reference	Special Conditions
<b>Terms of Payment</b> <b>GCC 16.1</b>	The structure of payments shall be: full payment following delivery of the Supplies and submission of an invoice and the documents listed in clause 13.1
<b>Terms of Payment</b> <b>GCC 16.3</b>	Payments shall be made not later than thirty days after month of invoicing upon submission of an invoice and its certification by the Purchaser. Payment will only be made if all the delivered items are to specifications
<b>Terms of Payment</b> <b>GCC 16.4</b>	The currency of payment shall be the currency of order specified in the List of Goods, Price Schedule and Product details in the Statement of Requirements.
<b>Packing</b> <b>GCC 23.2</b>	The packing, marking and documentation within and outside the packages shall be: <b>As per Manufacturer Original packaging Marking and Documentations</b> Good should be in protective packaging for safety.
<b>Insurance</b> <b>GCC 24</b>	The insurance should be covered as described in <b>Delivery Duty Paid (DDP)</b>
<b>Transportation</b> <b>GCC 25</b>	The Goods shall be delivered: <b>Delivered Duty Paid (DDP)</b>
<b>Inspection and Test</b> <b>GCC 26.</b>	NamWater will inspect all items upon delivery to ascertain if goods conform to specifications. Payment will only be made if all the delivered items are to specifications.
<b>Location of Inspection and Tests</b> <b>GCC 26.2</b>	The inspections and tests shall be conducted at: <b>NamWater</b> <b>Aigams Building</b> <b>Northern Industrial Area</b> <b>Windhoek</b>
<b>Liquidated Damages</b> <b>GCC 27.1</b>	Liquidated damages for the whole contract are 0.5% per day. The maximum amount of liquidated damages for the whole contract is 10% of the final contract price.



<b>Subject and GCC clause reference</b>	<b>Special Conditions</b>
<b>Warranty GCC 28.3</b>	The period of validity of the warranty shall be: <b>12 Months</b>
<b>Repair and Replacement GCC 28.5</b>	The period for repair or replacement shall be: <b>3 weeks</b>

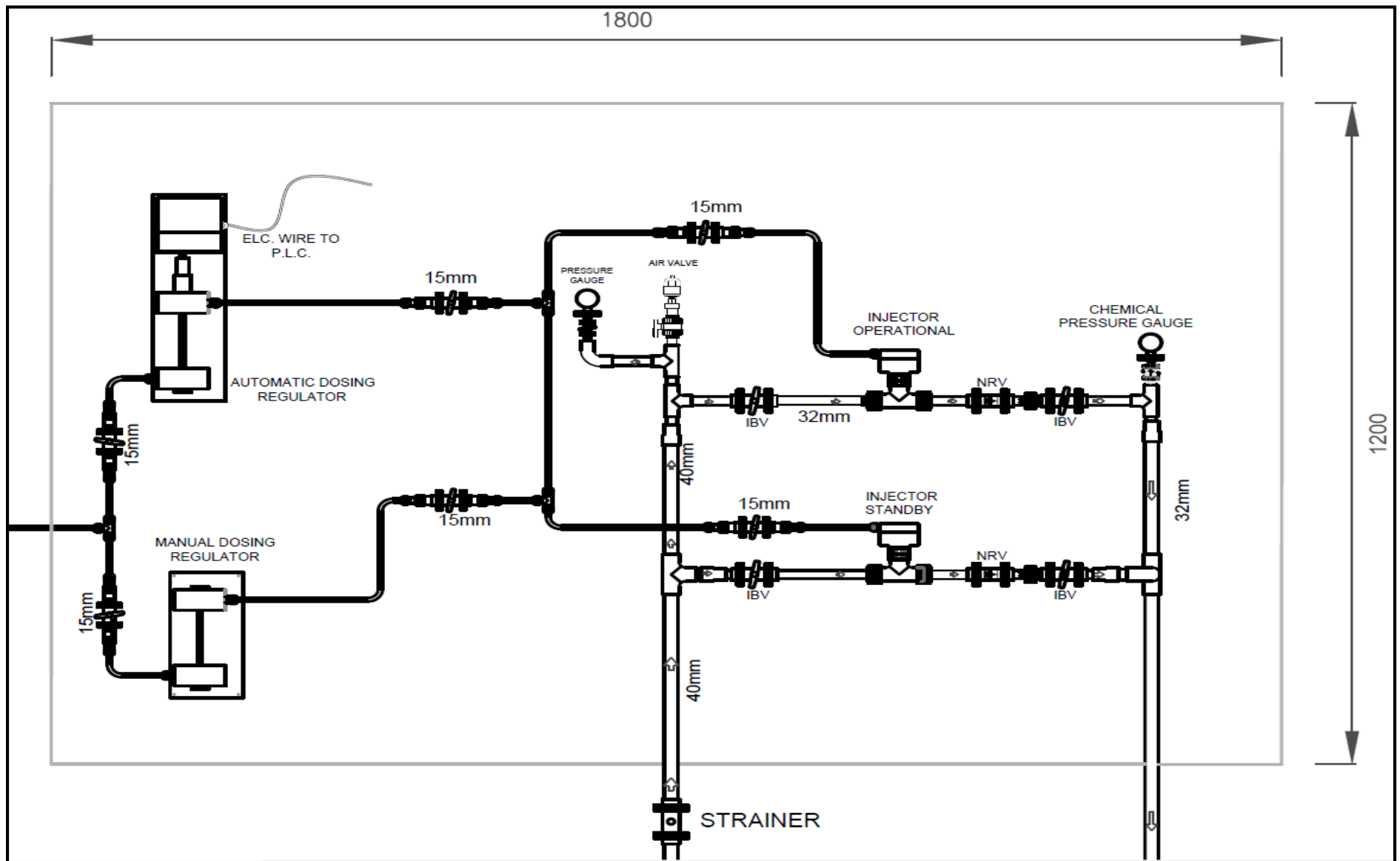
## QUOTATION CHECKLIST SCHEDULE

**Procurement Reference No.: G/RFQ/NW-009/2026**

Description	Attached	Not Attached
Quotation Letter		
List of Goods and Price Schedule		
Specification and Compliance Sheet		
Evidences for conformity of Goods		
Valid company Registration Certificate Copy from <b>Ministry of Trade and Industry</b>		
Original valid good standing Tax Certificate from <b>Inland Revenue</b> or a valid certified copy of an original certified by the Namibian Police of good standing Tax Certificate		
Original valid good Standing Certificate from <b>Social Security Commission</b> or a valid certified copy of an original certified by the Namibian Police of good standing Tax Certificate		
Valid Affirmative Action Compliance Certificate, proof from <b>Employment Equity Commissioner</b> that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998;		
Supporting Literature		

**Disclaimer:** *The list defined above is meant to assist the Bidder in submitting the relevant documents and shall not be a ground for the bidder to justify its non-submission of major documents for its quotation to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.*

# Appendix I: Chlorine Board



# Appendix II: Online Instrumentation Boards

