



# REQUEST FOR QUOTATION FOR GOODS

**Supply and Delivery of Submersible Pump-sets complete with Cables  
for the Omdel Long Term Utilization Phase 5 Project.**

**Procurement Reference No: G/RFQ/NW-041/2021**

<b>Name of Bidder</b>		
<b>Contact Person</b>		
<b>E-mail Address</b>		
<b>Postal Address</b>		
<b>Total Amount (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 71 2015, bids@namwater.com.na)**

Namibia Water Corporation Ltd.

Private Bag 13389

176 Iscor Street, Aigams Building

Windhoek

**Closing Date: Thursday, 29 September 2022 at 11h00**

**NO LATE BIDS WILL BE ACCEPTED!**



Namibia Water Corporation Ltd.  
Private Bag 13389, Windhoek, Namibia  
Tel: +264 61 71 2066  
Fax: +264 61 21 074

## Letter of Invitation

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

[Procurement Reference Number: G/RFQ/NW-041/2022

15 September 2022

Dear Bidder,

**Request for Quotations for Supply of Submersible Pump-sets complete with Cables for the Omdel Long Term Utilization Phase 5 Project.**

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 (Tel: +264 61 71 2015, 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

The NamWater reserves the right:

- (a) to split the contract as per the lowest evaluated cost per item, or
- (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 bids

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

- (a) the Quotation Letter in Section II with its annex for Bid Securing Declaration
- (b) The List of Goods and Price Schedule Section
- (c) The Specifications and Compliance Sheet in Section and
- (d) Any other attachment deemed appropriate.

You are advised to carefully read the complete Request for Sealed Quotations 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 Bids

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

## 4. Eligibility Criteria

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

- (a) have a valid company Registration Certificate;
- (b) have a valid good Standing Tax Certificate;
- (c) have a valid good Standing Social Security Certificate;
- (d) have an 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;
- (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 the contract or part thereof.
- (g) Supporting literature
- (h) Manufacturer Authorization

**The obligatory documents indicated above, are acceptable as follows:**

- A valid original document; or
- A valid certified copy of an original document, as 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) as amended.

**5. Bid Securing Declaration**

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

**6. Delivery**

Delivery shall be within **14 weeks** after acceptance/issue of Purchase Order. Deviation in delivery period shall not be accepted.

**7. Sealing and Marking of Quotations**

Bids 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 **29 September 2022 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.

Quotations received by e-mail will not be considered.

**9. Opening of Quotations**

Bids will be opened internally by NamWater representatives 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 Securing Declaration, will be posted on the website of the NamWater 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 on the basis of price to determine the lowest evaluated quotation.

**10.1 Mandatory documents**

ITEM	REQUIREMENT	CONFORM (YES/NO)
1	Has the bidder submitted a valid certified (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)), copy of <b>company Registration Certificate;</b>	
2	Has the bidder submitted a valid original or valid certified copy of an original, (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 <b>Good Standing Tax Certificate;</b>	
3	Has the bidder submitted a valid original or 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 <b>Good Standing Social Security Certificate;</b>	
4	Has the bidder submitted 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 <b>Affirmative Action Compliance Certificate,</b> or 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;	
5	Has the bidder submitted an <b>undertaking on the part of the Bidder that the salaries and wages payable</b> to its personnel in respect of this proposal are compliant to the relevant laws, where applicable and that it will abide to sub-clause 6.8 of the General conditions of Contract if it is awarded the contract or part thereof.	
6.	A duly completed and signed Bid Securing Declaration form;	
7.	Supporting literature	
9.	Manufacturer authorization certificate.	
10.	Warranty/guarantee certificates of the product.	

**BIDDERS THAT DO NOT MEET ANY OF THE ABOVE-MENTIONED CRITERIA SHALL BE DEEMED NON-RESPONSIVE AND SHALL BE DISQUALIFIED FROM FURTHER EVALUATION.**

## 10.2 Evaluation Criteria

Item	Description	Criteria	Scores
1.	<b>Liquid Assets</b>	<p>The minimum amount of liquid assets and/or credit facilities net of other contractual commitments of the Bidder shall be equivalent to the value of the offered bid.</p> <ul style="list-style-type: none"> <li>• Proof attached equivalent to the value of the offered bid <b>(30%)</b></li> <li>• Proof attached equivalent to 50% of the value of the offered bid <b>(20%)</b></li> <li>• No attachment <b>(0%)</b></li> </ul>	<b>30%</b>
2.	<b>Reference letters of previous delivery</b>	Bidder must submit reference letters from entities whom the Bidder has performed deliveries of Pumps	<b>20%</b>

		<ul style="list-style-type: none"> <li>• Submit 4 reference letters <b>(20%)</b></li> <li>• Submit 3 reference letters</li> <li>• <b>(15% points )</b></li> <li>• Submit 2 reference letters <b>(10% )</b></li> </ul>	
<b>3.</b>	<b>Experience: similar bids for which bidder submitted bids for. Eg. (Entity Opening register, Notice of awards etc.)</b>	<b>Bids submission from bidder's which attest to the experience of the supplying of Pumps</b> <ul style="list-style-type: none"> <li>• Company has more than 6 bid submission in supply of Pumps <b>(30%)</b></li> <li>• Company has more than 4 previous bids submissions <b>(25%)</b></li> <li>• Company has more than 3 previous similar bids submission <b>(20%)</b></li> <li>• Company has less than 2 similar submissions. <b>(15%)</b></li> </ul>	<b>30%</b>
<b>4.</b>	<b>Pump warranty offered</b>	Equipment warranty after commissioning <ul style="list-style-type: none"> <li>• 24 months – <b>(10%)</b></li> <li>• 18 months – <b>(5%)</b></li> <li>• 12 months minimum – <b>(0 %)</b></li> </ul>	<b>10%</b>
<b>5.</b>	<b>Delivery schedule</b>	Deviation in Delivery schedule: <ul style="list-style-type: none"> <li>• 10 Weeks – <b>(10%)</b></li> <li>• 12 Weeks – <b>(5%)</b></li> <li>• 14 Week (on time delivery) - <b>(0%)</b></li> </ul>	<b>10%</b>
<b>Total</b>			<b>100%</b>

## 1. FINANCIAL EVALUATION

This is the third stage of evaluation and will carry a total of 30%.

## 2. COMBINED TECHNICAL AND FINANCIAL SCORES

The following formula shall be used

$$\text{T.S (70\%)} + \text{F.S (30 \%)} = \text{T.T.L (100\%)}$$

- T.S = Technical Score = (Technical Evaluation) as evaluated against the technical criteria,

- F.S = Financial Score (computed as below)

FSL / FSC = FS

FSC = Financial submission of the tender under consideration.

FSL = Financial score for the lowest tender.

FS = Computed financial score for each tenderer.

T.T.L = Total Score

## 11. Technical Compliance

Bidders shall submit along with their quotations documents, catalogues and any other literature to substantiate compliance with the required specifications and to qualify deviations if any with respect to Namwaters requirements. A method statement should be accompanying the document on the installation and maintenance procedure.

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.

## 15. Notification of Award and Debriefing

NamWater 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, NamWater 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>NamWater</b>
Procurement Reference Number:	<b>G/RFQ/NW-041/2023</b>
Subject matter of Procurement:	<b>Supply and Delivery of Submersible Pump Sets complete with Cables for the Omdel Long Term Utilization Phase 5 Project.</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	



**APPENDIX to Quotation Letter**

**BID SECURING DECLARATION**

**(Section 45 of Act)**

**(Regulation 37(1) (b) and 37(5))**

**Date:** .....[Day/month/year].....

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

**To:** .....[insert complete name of Public Entity and address].....

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.



10	BH WW21487 (C3): Pump/Motor Unit c/w 67m Long Submersible Cable	1	Each					
11	BH WW100095 (B5): Pump/Motor Unit c/w 60m Long Submersible Cable	1	Each					
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

## SECTION IV: SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

### *General*

This RFQ calls for the supply and delivery of eleven (11) submersible pumps complete with cables.

### *Operation*

The motors shall be suitable for DOL starting and operation. Start-up frequency shall be 50Hz and the operating frequencies shall be 50Hz.

The pumping medium is clear water between 15°C and 30°C.

The pumps shall be selected to operate at a speed **not exceeding 3000 r/min (50Hz)** at the primary duty point. Detailed **H-Q curves** at the different motor speeds from shut-off and up to a run-out be included in the offer.

Performance testing and acceptance tolerances for flow, total head, efficiency, and NPSH<sub>R</sub> shall be as per **ISO 9906 Grade 2B**.

#### a) Pump Curve Requirements

**The specified duty point shall be at maximum pump efficiency (BEP – Best Efficiency Point).** The selection of equipment must be done taking in consideration efficiency and standardization where possible. All pumps shall be fitted with a built-in discharge non-return valve and the pump curves shall be for the pump including the non-return valve. The Head/Flow-rate curve must pass through or within **10%** above the following duty points:

#	Borehole	2 <sup>nd</sup> Duty Point	Primary Duty Point	3 <sup>rd</sup> Duty Point	Minimum Efficiency @ Duty Point
1	WW35345 (G6)	60 m <sup>3</sup> /h @ 80 mWh	<b>65 m<sup>3</sup>/h @ 75 mWh</b>	70 m <sup>3</sup> /h @ 73 mWh	73%
2	WW31247 (B1)	32 m <sup>3</sup> /h @ 142 mWh	<b>35 m<sup>3</sup>/h @ 133 mWh</b>	38 m <sup>3</sup> /h @ 130 mWh	71%
3	WW21485 (D3)	18 m <sup>3</sup> /h @ 180 mWh	<b>20 m<sup>3</sup>/h @ 171 mWh</b>	22 m <sup>3</sup> /h @ 169 mWh	70%
4	WW21488 (C1)	9 m <sup>3</sup> /h @ 170 mWh	<b>10 m<sup>3</sup>/h @ 149 mWh</b>	12 m <sup>3</sup> /h @ 144 mWh	70%
5	WW35339 (B2)	4 m <sup>3</sup> /h @ 157 mWh	<b>5 m<sup>3</sup>/h @ 134 mWh</b>	6 m <sup>3</sup> /h @ 94 mWh	65%

6	WW16953 (E2)	7 m <sup>3</sup> /h @ 195 mWh	<b>8 m<sup>3</sup>/h @ 167 mWh</b>	9 m <sup>3</sup> /h @ 155 mWh	70%
7	WW35341 (F4)	4 m <sup>3</sup> /h @ 65 mWh	<b>5 m<sup>3</sup>/h @ 60 mWh</b>	6 m <sup>3</sup> /h @ 55 mWh	64%
8	WW21648 (C2)	9 m <sup>3</sup> /h @ 170 mWh	<b>10 m<sup>3</sup>/h @ 160 mWh</b>	11 m <sup>3</sup> /h @ 154 mWh	69%
9	WW21500 (D1)	18 m <sup>3</sup> /h @ 178 mWh	<b>20m<sup>3</sup>/h @ 164 mWh</b>	66 m <sup>3</sup> /h @ 161 mWh	69%
10	WW21487 (C3)	4.5 m <sup>3</sup> /h @ 170 mWh	<b>5m<sup>3</sup>/h @ 162 mWh</b>	6 m <sup>3</sup> /h @ 154 mWh	63%
11	WW100095 (B5)	4 m <sup>3</sup> /h @ 177 mWh	<b>5m<sup>3</sup>/h @ 152 mWh</b>	6 m <sup>3</sup> /h @ 122 mWh	69%

### ***Inspections***

NamWater will inspect all items upon delivery to ascertain compliance with claimed specification correct. NamWater will not send a technical person to go inspect the items at the factory, 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 according to claimed specifications.

### ***Supporting Literature***

Delivery will only be deemed complete if NamWater received the following data, certified by the manufacturer:

- A complete operating manual including technical information of all equipment supplied.
- A workshop/maintenance manual containing detailed tolerances required for servicing.
- A sectional view of the pump and motor with parts list.

The above data can be submitted in PDF software format.

### ***Technical Information***

Note that supporting data shall be attached to verify the data entered in the schedule of technical information. Failure to attach the supporting data and/or complete the schedule of technical information will result in disqualification. Only referring to attached data sheets instead of completing the schedule of technical information will result in disqualification.

## TECHNICAL INFORMATION

### BH WW35345 (G6) Pump-set Technical Information

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	



**BH WW31247 (B1) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

**BH WW21485 (D3) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

**BH WW21488 (C1) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

**BH WW35339 (B2) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

**BH WW16953 (E2) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

**BH WW35341 (F4) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

**BH WW21648 (C2) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

**BH WW21500 (D1) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	



**BH WW21487 (C3) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

**BH WW10095 (B5) Pump-set Technical Information**

Description	Details
Make of Pump	
Model of Pump	
Country of Manufacture	
Weight of pump only [kg]	
Length of pump [mm]	
Number of stages	
Number of trimmed stages	
Impeller type	
Method of impeller mounting	
Impeller diameter [mm]	
Full size impeller diameter [mm]	
Maximum shaft power required by pump on the H-Q curve [kW]	
Make of Motor	
Model of Motor	
Weight of motor only [kg]	
Mechanical seal make	
Designation of mechanical seal	
Motor efficiency @ full load	
Motor efficiency @ 75% load	
Motor efficiency @ 50% load	
Full load current [A]	
DOL Start-Up Current / Full Load Current Ratio	
Allowable starts per hour	
Motor Shaft power rating [kW]	
Lead-out cable core sizes	

## SECTION V: SPECIFICATIONS COMPLIANCE SHEET

Procurement Reference Number: **G/RFQ/NW-041/2023**

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

Item No	Technical Specification Required	Compliance of Specification Offered	Details of Non-Compliance/ Deviation (if applicable)
<i>A*</i>	<i>B*</i>	<i>C</i>	<i>D</i>
<b>1-11</b>	<b>Pump Curve Information : WW 35346 (G6)</b>		
	2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
	3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	<b>Pump Curve Information : WW 31247 (B1)</b>		
	2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
	3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	<b>Pump Curve Information : WW 21485 (D3)</b>		
	2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
	3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	<b>Pump Curve Information : WW 21488 (C1)</b>		
	2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
	3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	<b>Pump Curve Information : WW 35339 (B2)</b>		
	2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
	Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	

3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
<b>Pump Curve Information : WW 16953 (E2)</b>		
2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
<b>Pump Curve Information : WW 35341 (F4)</b>		
2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
<b>Pump Curve Information : WW 21648 (C2)</b>		
2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
<b>Pump Curve Information : WW 21500 (D1)</b>		
2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
<b>Pump Curve Information : WW 21487 (C3)</b>		
2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
<b>Pump Curve Information : WW 100095 (B5)</b>		
2 <sup>nd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	
Primary Duty Point	..... m <sup>3</sup> /h @..... mWh	
3 <sup>rd</sup> Duty Point	..... m <sup>3</sup> /h @..... mWh	

**Pump: Materials of Construction (Apply To All Sets)**

<b>Item No</b>	<b>Technical Specification Required</b>	<b>Compliance Specification Offered</b>	<b>of</b>	<b>Details of Non-Compliance/ Deviation (if applicable)</b>
<i>A*</i>	<i>B*</i>	<i>C</i>		<i>D</i>
<b>1-11</b>	Shafts constructed of stainless steel 1.4301, 1.4408 or 1.4462.			
	Strainer: shall be of stainless steel 1.4301, 1.4408 or 1.4462.			
	Cable Protection Shield: shall be of stainless steel 1.4301, 1.4408 or 1.4462.			
	Tie-Bolts or Tie-Bands: shall be of stainless steel 1.4301, 1.4408 or 1.4462.			
	Casings/Bowls: shall be of stainless steel 1.4301, 1.4408 or 1.4462.			
	Impellers and bowls constructed of stainless steel 1.4301, 1.4408 or 1.4462.			
	Diffusers: shall be of stainless steel 1.4301, 1.4408 or 1.4462.			
	Wear Rings: shall be of stainless steel 1.4301, 1.4408 or 1.4462.			
	Fasteners of stainless steel 1.4301, 1.4408 or 1.4462.			
	All pump impeller vanes shall be continuously welded web*			

\*Supporting literature substantiating this claim at the time of bidding is not a prerequisite. However, should no supporting literature be submitted, this claim shall be substantiated by the successful bidder by means of a sample photo of one impeller from each pump from the factory or assembly plant prior to dispatch from the factory or assembly plant.

**Pump & Motor: Operation requirements (Apply To All Pump-Sets)**

Item No	Technical Specification Required	Compliance of Specification Offered	Details of Non-Compliance/ Deviation (if applicable)
<i>A*</i>	<i>B*</i>	<i>C</i>	<i>D</i>
<b>1-11</b>	Pumps performance testing done according to ISO 9906 Gr. 2B with certifies issued upon delivery		
	Pumps performance tolerance acceptance according to ISO 9906 Gr. 2B for flow, total head and efficiency at duty flows		
	Non-return valve fitted to pumps		
	Maximum rated ambient water temperature: $\geq 30^{\circ}\text{C}$		
	A motor with insulated windings in direct contact with the filling liquid (wet construction) shall have a power reserve of at least 15% at any point of the Head-Flow rate curve of the pump.		
	Cables: A maximum voltage drop of 2.5% at full load current and 15% at start-up shall be allowed.		
	Motor: water/glycol filled		
	Motor: Bi-directional rotation allowable		
	Motor: shall be 2-pole canned (encapsulated) submersible motor		
	Motor: Class F insulation or superior		

	Motor conforms to NEMA standards		
	Motor: Silicon Carbide / sand handling shaft seal		

**Pump: Performance requirements**

<i>Pump No</i>	<i>Specification Required</i>	<i>Specification Offered</i>	<i>Offer Complies</i>	
			<i>Yes</i>	<i>No</i>
<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>
(G6) WW 35345	Pump efficiency at duty point: $\geq 73\%$			
	Duty flow ratio (Q/Q <sub>BEP</sub> ): 80% - 105%			
	NPSH required at duty flow: $\leq 8\text{mWh}$			
(B1) WW 31247	Pump efficiency at duty point: $\geq 71\%$			
	Duty flow ratio (Q/Q <sub>BEP</sub> ): 70% - 105%			
	NPSH required at duty flow: $\leq 8\text{mWh}$			

(D3) WW 21485	Pump efficiency at duty point: $\geq 70\%$			
	Duty flow ratio (Q/Q <sub>BEP</sub> ): 70% - 105%			
	NPSH required at duty flow: $\leq 8\text{mWh}$			
(C1) WW	Pump efficiency at duty point: $\geq 70\%$			

21488	<b>Duty flow ratio (Q/Q<sub>BEP</sub>):</b> 75% - 105%			
	<b>NPSH required at duty flow:</b> ≤ 8mWh			
(B2) WW 35339	<b>Pump efficiency at duty point:</b> ≥ 65%			
	<b>Duty flow ratio (Q/Q<sub>BEP</sub>):</b> 70% - 105%			
	<b>NPSH required at duty flow:</b> ≤ 8mWh			
(E2) WW 16953	<b>Pump efficiency at duty point:</b> ≥ 70%			
	<b>Duty flow ratio (Q/Q<sub>BEP</sub>):</b> 75% - 105%			
	<b>NPSH required at duty flow:</b> ≤ 8mWh			
(F4) WW 35341	<b>Pump efficiency at duty point:</b> ≥ 64%			
	<b>Duty flow ratio (Q/Q<sub>BEP</sub>):</b> 70% - 105%			
	<b>NPSH required at duty flow:</b> ≤ 8mWh			
(C2) WW 21648	<b>Pump efficiency at duty point:</b> ≥ 69%			
	<b>Duty flow ratio (Q/Q<sub>BEP</sub>):</b> 75% - 110%			
	<b>NPSH required at duty flow:</b> ≤ 8mWh			
(D1) WW	<b>Pump efficiency at duty point:</b> ≥ 69%			



21500	<b>Duty flow ratio (Q/Q<sub>BEP</sub>):</b> 70% - 105%			
	<b>NPSH required at duty flow:</b> ≤ 8mWh			
(C3) WW 21487	<b>Pump efficiency at duty point:</b> ≥ 63%			
	<b>Duty flow ratio (Q/Q<sub>BEP</sub>):</b> 70% - 105%			
(B5) WW 100095	<b>NPSH required at duty flow:</b> ≤ 8mWh			
	<b>Pump efficiency at duty point:</b> ≥ 69%			
	<b>Duty flow ratio (Q/Q<sub>BEP</sub>):</b> 70% - 105%			
	<b>NPSH required at duty flow:</b> ≤ 8mWh			

**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**) available at Namibia Water Corporation Ltd., physical address, 176 Iscor Street, Aigams Building, Windhoek, except where modified by the Special Conditions below.

## SECTION VII: 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 below.

## SECTION VIII: SPECIAL CONDITIONS OF CONTRACT

Procurement Reference Number: **G/RFQ/NW-041/2023**

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>Purchaser GCC 1.1(h)</b>	The purchaser is: <b>Namibia Water Corporation</b>
<b>Site GCC 1.1(m)</b>	The Site/final destination for delivery of the Goods is <b>NamWater Stores, Windhoek</b>
<b>Incoterms Edition GCC 4.2(b)</b>	Incoterms shall be governed by the rules prescribed in Incoterms 2010.
<b>Notices GCC 8.1</b>	Any notice shall be sent to the following addresses: For NamWater, the address and the contact name shall be: Procurement Management Unit (Tel: +264 61 71 2270, E-mail: <a href="mailto:Bids@namwater.com.na">Bids@namwater.com.na</a> Private Bag 13389 Windhoek, Namibia.  For the Supplier, the address and contact name shall be:

Subject and GCC clause reference	Special Conditions
<b>Delivery and Documents</b> <b>GCC 13.1</b>	The Goods are to be delivered within <b>14 weeks</b> from the date of Purchase Order or Letter of Acceptance. The documents to be furnished by the Supplier are: (a) signed delivery note (b) Invoice
<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.
<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 submission of an invoice and its certification by the Purchaser.
<b>Terms of Payment</b> <b>GCC 16.4 (a)</b>	The price shall not be adjustable to the fluctuation in the rate of exchange. 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>Payment Period</b> <b>GCC 16.5</b>	The method and conditions of payments to be made to the Supplier under this Contract shall be as follows:  i) <b>On Acceptance:</b> The Contract Price of goods received shall be paid no later than thirty (30) days of receipt of the Goods upon submission of an invoice (showing Purchaser's name; the Procurement Reference number, description of payment and total amount, signed in original, stamped or sealed with the company stamp/seal) supported by the Acceptance Certificate issued by the Purchaser. ii) An interest rate of <i>[insert percentage]</i> is payable to the supplier by the purchaser for each day payment is delayed until payment has been made in full.
<b>Performance Security</b> <b>GCC 18.1</b>	(i) No performance security is required
<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 Documentation</b>
<b>Insurance</b> <b>GCC 24.1</b>	The insurance coverage shall be as specified in the Incoterms.  The insurance should cover, at a minimum, 110% of the value of the goods as provided in the sales contract. The insurance should cover the goods at least to the point of delivery.

<b>Subject and GCC clause reference</b>	<b>Special Conditions</b>
<b>Transportation GCC 25</b>	The Goods shall be delivered: DDP – Delivered Duty Paid
<b>Inspection and Test GCC 26.1</b>	The inspection and tests at delivery shall be to ensure conformance to the specifications.
<b>Location of Inspection and Tests GCC 26.2</b>	The inspections and tests shall be conducted at: NamWater 176 Iscor Street, Aigams Building Windhoek
<b>Liquidated Damages GCC 27.1</b>	Liquidated damages for the whole contract are 0.5% per week. The maximum amount of liquidated damages for the whole contract is 5% of the final contract price.
<b>Warranty GCC 28.3</b>	<p>The warrantee period for the pumps shall be 12 months from date of commissioning or 18 months from date of delivery, whichever occurs first. The Supplier shall rectify, free of charge, any defects developing under proper use and arising solely from faulty materials, faulty designs, faulty workmanship and unacceptable deviation from performance criteria as specified in this document.</p> <p>Should any repairs, rectifications and/or component replacements be conducted as warrantee claims, the warrantee period shall be extended equal to the duration required to complete the respective repairs, rectifications and/or component replacements as measured from the date of the claim submission until delivery to NamWater.</p> <p>All components affected by any repairs, rectifications and/or component replacements conducted as warrantee claims, shall, following the repair, rectification and/or component replacement, remain under warrantee for 12 months after delivery to NamWater or 6 months after reinstallation and commissioning, whichever occurs first.</p> <p>The Supplier shall transfer the benefit of any and all periods of warrantee by the manufacturer of the equipment, which may be un-expired at the end of the above warrantee period (s), to NamWater.</p>
<b>Repair and Replacement GCC 28.5</b>	The period for repair or replacement shall take place as soon as is reasonably practicable, but shall not exceed the offered delivery period.

**SCHEDULE 2****QUOTATION CHECKLIST SCHEDULE****Procurement Reference No.: G/RFQ/NW-041/2023**

<b>Description</b>	<b>Attached</b>	<b>Not Attached</b>
Quotation Letter		
List of Goods and Price Schedule		
Specification and Compliance Sheet		
Evidences for conformity of Goods		
Warranty certificate		
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;		