



## Bid Notice Abstract

### Invitation to Bid (ITB)

**Reference Number** 9436810  
**Procuring Entity** BAGUIO WATER DISTRICT - BAGUIO CITY  
**Title** 1 lot Submersible Motor coupled to Submersible Turbine Pump with Variable Frequency Drive  
**Area of Delivery** Benguet

<b>Solicitation Number:</b> 01-109P-G	<b>Status</b>	<b>Pending</b>
<b>Trade Agreement:</b> Implementing Rules and Regulations		
<b>Procurement Mode:</b> Public Bidding	<b>Associated Components</b>	1
<b>Classification:</b> Goods		
<b>Category:</b> Industrial pumps and compressors	<b>Bid Supplements</b>	0
<b>Approved Budget for the Contract:</b> PHP 890,000.00		
<b>Delivery Period:</b>	<b>Document Request List</b>	0
<b>Client Agency:</b>		
	<b>Date Published</b>	31/01/2023
<b>Contact Person:</b> Ma. Luisa C Tenedero BAC In-House Chairman BWD Compound, Utility Road Baguio City Benguet Philippines 2600 63-74-4424858 63-74-4424858 purchasing.bwd2014@gmail.com	<b>Last Updated / Time</b>	30/01/2023 08:44 AM
	<b>Closing Date / Time</b>	08/02/2023 13:30 PM

#### Description

1 lot Submersible Motor with the following specifications:

I. General Requirements:

Rating: 30 Hp

Nominal Voltage: 460 V

Frequency: 60 Hz

Standard Diameter: 6 – 8 Inches

Lead Wire / Cables: Plug-in or Detachable

Rotor Spline: NEMA Standard

Nominal Speed: 3600 rpm

Number of Phases: 3

II. Material Components:

End Castings: Gray Iron

Stator Shell : 301 SS

Stator Ends: Low Carbon Steel

Shaft Extension: 303 SS (5-30HP)

17-4 SS (40-60HP)

Fasteners: 300 & 400 Series SS

Seal Cover: 304 SS & Sintered Bronze

Seal: Carbon Ceramic Face

Diaphragm: Nitrile

Diaphragm Plate: 304 SS

Diaphragm Spring: 302 SS

Slinger: Nitrile

Lead Wire (or Cable): XLPE 125°C

Lead Potting: Epoxy

Lead Jam Nut: 300 Series SS

Filter : Delrin & Polyester

III. Must Submit authenticated Certificate of the dealership/distributorship with red ribbon

IV. ISO Certified

Coupled with: Submersible Turbine Pump, all stainless construction

I. General Requirements:

Capacity: 150 gpm

TDH: 530 ft

Eff. @ Rated Capacity: 70 %

Speed (Nominal): 3600 rpm

Std. Dia. : Not more than 6 inches

Check Valve and Strainer: Built-in

- Capable of handling sand content from 50 to 150ppm on certain pump sizes

Coupling: Spline type in NEMA std.

III. Others

Discharge Nipple : 4"Ø x 12" S-40, BI or SS

Discharge Coupling: 4" Ø S-80, BI or SS

IV. Must submit Authenticated Certificate of Dealership

/ Distributorship with Red Ribbon

V. ISO Certified

(please refer to the attached for complete specifications)

with Variable Frequency Drive

Adaptable to 50hp

Voltage Rating: 460V

Supply Freq. : 60Hz

No. of Phase : 3

The capacity of the pressure transmitter : 0-25 bars

Standard Specifications for Variable Frequency Drive

1 MAIN SUPPLY (L1, L2, L3)

Supply Voltage 3 x 380-480V AC or as specified by end-user

Supply Frequency 60 Hz

Displacement Power Factor > 0.98

True Power Factor 0.9

Switching on Input Supply L1, L2, L3: 1 – 2 times /minute

2 OUTPUT DATA (U, V, W)

Output Voltage 0 – 100%

Switching on Output Unlimited

Ramp Times 0.1 – 3600 seconds

Maximum Output Frequency 590 Hz

3 DIGITAL INPUTS

Programmable Digital Inputs 6 Logic PNP

Voltage Level 0 – 24V DC

4 ANALOGUE INPUTS

Number of Analogue Inputs 2

Modes Current

Voltage Level - 10 to +10 (scaleable)

Current Level 0/4 to 20mA (scaleable)

5 PULSE INPUTS

Programmable Pulse Inputs 2

Voltage Level 0-24V DC (PNP

positive logic)

Pulse Input Accuracy Max. error: 0.1% of full scale

6 ANALOGUE OUTPUT

Programmable Analogue Outputs: 1

Current Range at Analogue Output: 0-4 - 20mA

7 RELAY OUTPUTS

Programmable Relay Outputs 2

8 FIELDBUS COMMUNICATION Ethernet IP

9 AMBIENT TEMPERATURE Up to 55°C

10 HARDWARE SPECIFICATIONS IP 55 Enclosure

11 OTHER ACCESSORIES

Pressure Transmitter 25 Bars

Approved Budget Cost: ₱890,000.00 / lot

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This is a two (2) envelope system:

Envelope "A" to contain the following, among others:

a) A refundable bid bond in the form of cash, Manager's or Cashier's check equivalent to 2% or a surety bond callable on demand issued by a surety or insurance company duly certified by the Insurance Commission equivalent to 5% of the total approved budget cost is required for a total purchase bid amount of ₱ 50,000.00 and above. Validity of the surety bond is 120 days from the date of opening of bids OR Bid Securing Declaration regardless of the amount of bid;



- b) Terms of payment, delivery, warranty, bid validity, and complete specifications;
- c) Brochure/s (Original);
- d) Proof of payment of a non-refundable fee of ₱1,000.00; otherwise, bids shall not be opened
- e) Certificate of Authorized Distributorship / Dealership issued by the Principal Supplier to the participating bidder (with red ribbon) if none has been submitted to the BAC in its Accreditation;  
-For bidders who have principal foreign suppliers, the BWD-BAC shall accept an Apostilled Certificate of Authorized Distributorship / Dealership issued by a competent authority of the host government in lieu of the Certificate of Authorized Distributorship / Dealership (with red ribbon), except for non-contracting countries to the Apostille Convention, which still require the red ribbon requirement.  
-For locally produced/manufactured products, only a certificate of Authorized Distributorship / Dealership w/o red ribbon is required if applicable;
- f) ISO Certificate issued to the principal supplier/participating bidder for the offered material or equipment brand name (if none has been submitted to the BAC in its Accreditation);
- g) International Certificate of Warranty.

Envelope "B" to contain the bid cost per unit.

**Created by** Ma. Luisa C Tenedero  
**Date Created** 30/01/2023

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**BAGUIO WATER DISTRICT**  
**BWD Compound, Utility Road, Baguio City 2600**

Document No.

ADM-PUR-F003

**REQUEST FOR BIDS/QUOTATION (RQ)**

Effectivity Date

February 15, 2020

Revision No.

00

**III. Others**

Discharge Nipple : 4"Ø x 12" S-40, BI or SS

Discharge Coupling : 4"Ø S-80, BI or SS

**IV. Must submit Authenticated Certificate of Dealership / Distributorship with Red Ribbon**

**V. ISO Certified**

**(please refer to attached for complete specifications)**

**with Variable Frequency Drive**

Adaptable to **50hp**

Voltage Rating : **460V**

Supply Freq. : **60Hz**

No. of Phase : **3**

Capacity of pressure transmitter : **0-25 bars**

**Standard Specifications for Variable Frequency Drive**

**1 MAIN SUPPLY (L1, L2, L3)**

Supply Voltage 3 x 380-480V AC or as specified by end-user  
Supply Frequency 60 Hz  
Displacement Power Factor > 0.98  
True Power Factor 0.9  
Switching on Input Supply L1, L2, L3 1 – 2 times / minute

**2 OUTPUT DATA (U, V, W)**

Output Voltage 0 – 100%  
Switching on Output Unlimited  
Ramp Times 0.1 – 3600 seconds  
Maximum Output Frequency 590 Hz

**3 DIGITAL INPUTS**

Programmable Digital Inputs 6  
Logic PNP  
Voltage Level 0 – 24V DC

**4 ANALOGUE INPUTS**

Number of Analogue Inputs 2  
Modes Current  
Voltage Level - 10 to +10 (scaleable)  
Current Level 0/4 to 20mA (scaleable)

**5 PULSE INPUTS**

Programmable Pulse Inputs 2  
Voltage Level 0-24V DC (PNP positive logic)  
Pulse Input Accuracy Max. error: 0.1% of full scale

**6 ANALOGUE OUTPUT**

Programmable Analogue Outputs 1  
Current Range at Analogue Output 0-4 - 20mA

**7 RELAY OUTPUTS**

Programmable Relay Outputs 2


**8 FIELD BUS COMMUNICATION**

Ethernet IP

**9 AMBIENT TEMPERATURE**

Up to 55°C

08 FEB 2023

	<b>BAGUIO WATER DISTRICT</b> <b>BWD Compound, Utility Road, Baguio City 2600</b>		Document No.	ADM-PUR-F003
	<b>REQUEST FOR BIDS/QUOTATION (RQ)</b>		Effectivity Date	February 15, 2020
			Revision No.	00
<p>10 <b>HARDWARE SPECIFICATIONS</b> IP 55 Enclosure</p> <p>11 <b>OTHER ACCESSORIES</b></p> <p><b>Pressure Transmitter 25 Bars</b></p> <p><b>Approved Budget Cost: ₱890,000.00 / lot</b>  X X X X X</p> <p><b>This is a two (2) envelope system:</b>  <b>Envelope "A" to contain the following; among others:</b></p> <ul style="list-style-type: none"> <li>a) A refundable bid bond in the form of cash, Manager's or Cashier's check equivalent to 2% or surety bond callable on demand issued by a surety or insurance company duly certified by the Insurance Commission equivalent to 5% of the total approved budget cost is required for a total purchase bid amount of ₱ 50,000.00 and above. Validity of the surety bond is 120 days from the date of opening of bids <b>OR</b> Bid Securing Declaration regardless of amount of bid;</li> <li>b) Terms of payment, delivery, warranty, bid validity and complete specifications;</li> <li>c) Brochure/s (Original);</li> <li>d) Proof of payment of a non-refundable fee of <b>₱1,000.00</b>; otherwise, bids shall not be opened</li> <li>e) Certificate of Authorized Distributorship / Dealership issued by the Principal Supplier to the participating bidder (with red ribbon) if none has been submitted to the BAC in its Accreditation;</li> </ul> <p>-For bidders who have foreign principal suppliers, the BWD-BAC shall accept an Apostilled Certificate of Authorized Distributorship / Dealership issued by a competent authority of the host government in lieu of the Certificate of Authorized Distributorship / Dealership (with red ribbon), except for non-contracting countries to the Apostille Convention, which still require the red ribbon requirement.</p> <p>-For locally produced / manufactured products, only a certificate of Authorized Distributorship / Dealership w/o red ribbon is required if applicable;</p> <ul style="list-style-type: none"> <li>f) ISO Certificate issued to the principal supplier/participating bidder for the offered material or equipment brand name (if none has been submitted to the BAC in its Accreditation);</li> <li>g) International Certificate of Warranty.</li> </ul> <p><b>Envelope "B" to contain the bid cost per unit.</b></p>				

By: Supplier or Authorized Representative: \_\_\_\_\_ ( sign over printed name )

Deadline of submission of bids: 08 FEB 2023 Opening of bids: **1:30 pm**

Prepared by: MG Lamangan Noted by: ATTY. MA. LUISA C. TENEDERO ENGR. REYNALDO C. JAYCO  
PURCHASING BAC IN-HOUSE BAC-TECHNICAL

**BWD RESERVES THE RIGHT TO REJECT BIDS &/OR DECLARE A FAILURE OF BIDDING  
PURSUANT TO THE PERTINENT PROVISIONS OF RA 9184**

**Telefax No. (074) 442-4858 (Purchasing) / 444-7246**