



# PhilGEPS

Philippine Government Electronic Procurement System

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## Bid Notice Abstract

### Invitation to Bid (ITB)

**Reference Number** 9989844  
**Procuring Entity** BAGUIO WATER DISTRICT - BAGUIO CITY  
**Title** 1 Lot Submersible Pump and Motor with Variable Frequency Drive  
**Area of Delivery** Benguet

<b>Solicitation Number:</b> 07-100P-C	<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 498,000.00		
<b>Delivery Period:</b>	<b>Document Request List</b>	0
<b>Client Agency:</b>		
<b>Contact Person:</b> Ma. Luisa C Tenedero Chairperson, Bids and Awards Committee BWD Compound, Utility Road Baguio City Benguet Philippines 2600 63-74-4424858 63-74-4424858 purchasing.bwd2014@gmail.com	<b>Date Published</b>	29/07/2023
	<b>Last Updated / Time</b>	28/07/2023 14:34 PM
	<b>Closing Date / Time</b>	16/08/2023 13:30 PM

#### Description

1 Lot Submersible Pump  
- Capacity: 30gpm  
- TDH: 550ft  
- Efficiency at rated capacity: not less than 60%  
- Speed: 3600rpm  
- Discharge Nipple with coupling: 12" Schedule 80 BI  
- Diameter of Nipple and Coupling will depend on the discharge port  
Coupled to:  
Submersible Motor  
- Rating: 7.5hp  
- Nominal Voltage: 230v  
- No. of Phase: single phase  
- Frequency: 60hz

with 1 set Variable Frequency Drive  
Adaptable to 10hp, 230v, single phase, 60Hz  
submersible motor  
Capacity of pressure transmitter: 0 - 25 bars  
(See attached standard specifications)

\* Supplier to be present during testing commissioning



- \*Specifications: Please see attached TWG standards
- \*Maximum Diameter: 4 inches
- \*Supplier to provide manufacturer pump test result upon delivery
- \*Supplier to provide brochure with full specification and pump curve of offered booster pump

Approved Budget Cost: ₱498,000.00 / lot

#### STANDARD SPECIFICATIONS FOR SUBMERSIBLE MOTOR

##### I. GENERAL REQUIREMENTS:

Rating : \_\_\_\_\_ Hp  
 Nominal Voltage (V) : \_\_\_\_\_ V  
 No. of Phase : \_\_\_\_\_  
 Frequency : \_\_\_\_\_ Hz  
 Std. Diameter : \_\_\_\_\_ Inch  
 Lead Wire / Cables : Plug-in / Detachable  
 Rotor Spline : NEMA Standard

##### II. MATERIAL COMPONENTS:

4" STD. 6" STD. 8" STD.  
 End Castings : 304 SS over Iron Gray Iron Gray Iron  
 Stator Shell : 301 SS 301 SS 304 SS  
 Stator Ends : Low Carbon Steel Low Carbon Steel Low Carbon Steel  
 Shaft Extension : 17-4 SS 303 SS (5-30Hp)  
 17-4 SS (40-60Hp) 17-4 SS  
 Fasteners : 300 Series SS 300 & 400 Series SS 300 & 400 Series SS  
 Seal Cover : Acetal 304 SS & Sintered Bronze 304 SS & Sintered Bronze  
 Seal : Nitrile Rubber Lip Carbon Ceramic Face Sand Fighter TM SiC/SiC Seal System  
 Diaphragm : Nitrile Rubber Nitrile Viton  
 Diaphragm Plate : 304 SS 304 SS 304 SS  
 Diaphragm Spring : 302 SS 302 SS 302 SS  
 Diaphragm Cover : 304 SS 304D  
 Slinger : Nitrile Rubber Nitrile Viton  
 Lead Wire (or Cable) : XLPE XLPE 125□ C XLPO  
 Lead Potting : Epoxy Epoxy Epoxy  
 Lead Jam Nut : 300 Series SS  
 Filter : Delrin & Polyester Delrin & Polyester

III. Must submit authenticated certificate of dealership / distributorship with red ribbon

IV. ISO certified

#### STANDARD SPECIFICATIONS FOR SUBMERSIBLE PUMP

##### I. General Requirements:

Capacity : gpm  
 TDH : ft  
 Eff. @ Rated Capacity : %  
 Speed (Nominal) : rpm  
 Std. Dia. : Not more than 6 inches  
 Check Valve and Strainer:  
 - Standard built-in stop ring to prevent upthrust damage during critical start up and stopping phase  
 - Capable to handle sand content from 50 to 150ppm on certain pump sizes  
 Coupling : NEMA std. Spline type

##### II. Material Components:

Valve Casing: Stainless Steel  
 Valve Cup: Stainless Steel  
 Neck ring:  
 For pump capacity:  
 • 1-5 cum/hr: NBR/TPU  
 • 7-14 cum/hr: TPU/PPS-FKM  
 • 17-60 cum/hr: NBR-FKM-LSR  
 • 77 cum & above: NBR-FKM  
 Bearing:  
 • Replaceable wear ring, bearing and neck ring for easy maintenance  
 • Sealed top bearing for high resistance against sand  
 • Octagonal shape bearings with sand flush channels to reduce abrasive wear  
 For pump capacity:  
 • 1-5 cum/hr: NBR  
 • 7-14 cum/hr: LSR-FKM  
 • 17-60 cum/hr: NBR-FKM  
 • 77 cum & above: NBR-FKM  
 Chamber: Stainless Steel  
 Impeller: Stainless Steel  
 Section interconnector: Cast Stainless Steel



Shaft complete: Stainless Steel  
 Strap: Stainless Steel  
 Cable guard: Stainless Steel  
 Washer for stop ring: Carbon / Graphite HY22 in PTFE mass  
 Strainer: Stainless Steel  
 Valve seat:  
 For pump capacity:  
 • 1-5 cum/hr: Rubber type/NBR  
 • 7-14 cum/hr: NBR-FKM  
 • 17-60 cum/hr: NBR-FKM  
 • 77 & above: NBR-FKM

### III. Others

Discharge Nipple : 3"Øx 12" S-40, BI or SS

Discharge Coupling : 3"ØS-80, BI or SS

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

V. ISO Certified

### 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 (scalable)

Current Level 0/4 to 20mA (scalable)

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 TEMPERATURES Up to 55°C

10 HARDWARE SPECIFICATIONS IP 55 Enclosure

11 OTHER ACCESSORIES

Pressure Transmitter \_\_\_\_\_ Bars

xxxxxxx

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 ₱500.00; 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** 28/07/2023

The PhilGEPS team is not responsible for any typographical errors or misinformation presented in the system. PhilGEPS only displays information provided for by its clients, and any queries regarding the postings should be directed to the contact person/s of the concerned party.

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

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

Document No.	ADM-PUR-F003
Revision Date	October 29, 2019
Revision No.	02

To: \_\_\_\_\_  
(Name of Supplier)

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_




Contact no.: \_\_\_\_\_

RQ No.: **07 – 100P-C**  
PR / JO No.: **100P**  
Date of RQ: **July 19, 2023**  
Purpose of RQ:  
For installation at Kadaklan DW

**NOTE: DATA REQUIRED MUST BE FILLED UP COMPLETELY. FAILURE TO INDICATE THE PRICE VALIDITY, TERMS, WARRANTY PERIOD AND DELIVERY PERIOD SHALL MEAN OUTRIGHT DISQUALIFICATION OF BIDS**

	Qty.	Description	U-Price	Total
<b>VALIDITY DATE:</b> _____ day <b>(30 days minimum)</b>  <b>DELIVERY :</b> _____ working days _____ calendar days _____ FOB warehouse  <b>WARRANTY</b> _____ calendar days upon acceptance.  <b>TERMS:</b>	<b>1 lot</b>	<b>Submersible Pump</b> <ul style="list-style-type: none"><li>- Capacity: 30gpm</li><li>- TDH: 550ft</li><li>- Efficiency at rated capacity: not less than 60%</li><li>- Speed: 3600rpm</li><li>- Discharge Nipple with coupling: 12" Schedule 80 BI</li><li>- Diameter of Nipple and Coupling will depend on the discharge port</li></ul> <b>Coupled to:</b> <b>Submersible Motor</b> <ul style="list-style-type: none"><li>- Rating: 7.5hp</li><li>- Nominal Voltage: 230v</li><li>- No. of Phase: single phase</li><li>- Frequency: 60hz</li></ul> *Specifications: Please see attached TWG standards *Maximum Diameter: 4 inches *Supplier to provide manufacturer pump test result upon delivery *Supplier to provide brochure with full specification and pump curve of offered booster pump  with 1 set <b>Variable Frequency Drive</b> Adaptable to 10hp, 230v, single phase, 60Hz submersible motor Capacity of pressure transmitter: 0 - 25 bars  (See attached standard specifications) * Supplier to be present during testing commissioning  <b>Approved Budget Cost: ₱498,000.00 / lot</b>		

**August 16, 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>		Revision Date	October 29, 2019
			Revision No.	02
X X X X X				
<p><b>This is a two (2) envelope system:</b></p> <p><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>₱500.00</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:** August 16, 2023 **Opening of bids:** 1:30 pm

**Prepared by:** MGLamangan **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**