



Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number: 11304514
Procuring Entity: BAGUIO WATER DISTRICT - BAGUIO CITY
Title: 2 sets Vertical Centrifugal Pump and Motor Complete with Motor Control For Ferguson booster
Area of Delivery: Benguet

Solicitation Number:	09-181P	Status	Pending
Trade Agreement:	Implementing Rules and Regulations		
Procurement Mode:	Public Bidding	Associated Components	1
Classification:	Goods		
Category:	Industrial pumps and compressors	Bid Supplements	0
Approved Budget for the Contract:	PHP 2,444,000.00		
Delivery Period:		Document Request List	0
Client Agency:			
Contact Person: Ma. Luisa C Tenedero Chairperson, Bids and Awards Committee BWD Compound, Utility Road Baguio City Benguet Philippines 2600 63-74-4423456 63-74-4424858 bwd.bac2021@gmail.com		Date Published	01/10/2024
		Last Updated / Time	30/09/2024 14:31 PM
		Closing Date / Time	23/10/2024 13:30 PM

Description

2 sets Vertical Centrifugal Pump and Motor

Motor Requirement

- Type: Induction
- HP Rating: 30 HP
- Nominal Voltage: 230V / 460V
- Supply Frequency: 60Hz
- Nominal Speed: 3600 RPM
- Number of Phase: 3
- Insulation Class: F
- Efficiency at full load: not less than 90%
- Enclose Class: TEFC

Coupled and aligned with Heavy Duty Mounting Base to:

Pump Requirement:

- Capacity: 150 USGPM
- TDH: 500 feet

Construction Material

- Shaft Seal: Cartridge Type
- Shaft Seal Material: HQQE
- Pump Head: Stainless Steel
- Pump Shaft: Stainless Steel
- Impeller: Stainless Steel
- Chamber: Stainless Steel
- Outer Sleeve: Stainless Steel
- Base: Stainless Steel
- Neck Ring: PEEK
- Support Bearing: Graflon
- Bearing Rings: Tungsten Carbide
- Pump Efficiency: Not less than 75% at rated capacity

Complete with Motor Control

Variable Frequency Drive

Adaptable to 40hp, 230V / 460V, 3 phase, 60Hz Submersible Motor

Capacity of pressure transmitter: 0 – 25 bars

Control Body: IP 65 rated minimum

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 _____ Bars

- For on-site delivery
- Supplier to provide high tensile mounting bolts for pump base
- Supplier to provide BNG and flanges for both suction and discharge ports
- 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: ₱1,222,000.00 / set

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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 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 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 ₱5,000.00; 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 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.

◦ 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.

Pre-bid Conference

Date	Time	Venue
11/10/2024	9:30:00 AM	Pre-bid conference: 9:30am via Zoom Application Meeting ID: 452 718 8447 Password: 9Buvqr

Created by Ma. Luisa C Tenedero

Date Created 30/09/2024




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 	BAGUIO WATER DISTRICT BWD Compound, Utility Road, Baguio City 2600	Document No.	ADM-PUR-F003
	REQUEST FOR BIDS/QUOTATION (RQ)	Revision Date	February 1, 2024
		Revision No.	03

To:	_____	RQ No.:	09 – 181P
	(Name of Supplier)	PR / JO No.:	181P
Contact Person:	_____	Date of RQ:	September 27, 2024
Address:	_____	Purpose of RQ:	
	_____	For Ferguson booster	
Contact no.:	_____		

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
<div>VALIDITY DATE:</div> <div>_____ day</div> <div>(30 days minimum)</div> <div>DELIVERY:</div> <div>_____ working days</div> <div>_____ calendar days</div> <div>_____ FOB warehouse</div> <div>WARRANTY</div> <div>_____ calendar days</div> <div>upon acceptance.</div> <div>TERMS:</div>	2 sets	<div>Vertical Centrifugal Pump and Motor</div> <div>Motor Requirement</div> <div><ul style="list-style-type: none">Type: InductionHP Rating: 30 HPNominal Voltage: 230V / 460VSupply Frequency: 60HzNominal Speed: 3600 RPMNumber of Phase: 3Insulation Class: FEfficiency at full load: not less than 90%Enclose Class: TEFC</div> <div>Coupled and aligned with Heavy Duty Mounting Base to:</div> <div>Pump Requirement:</div> <div><ul style="list-style-type: none">Capacity: 150 USGPMTDH: 500 feet</div> <div>Construction Material</div> <div><ul style="list-style-type: none">Shaft Seal: Cartridge TypeShaft Seal Material: HQQEPump Head: Stainless SteelPump Shaft: Stainless SteelImpeller: Stainless SteelChamber: Stainless SteelOuter Sleeve: Stainless SteelBase: Stainless SteelNeck Ring: PEEKSupport Bearing: GraflonBearing Rings: Tungsten CarbidePump Efficiency: Not less than 75% at rated capacity</div> <div>Complete with Motor Control</div> <div>Variable Frequency Drive</div> <div>Adaptable to 40hp, 230V / 460V</div> <div>3 phase, 60Hz Submersible Motor</div> <div>Capacity of pressure transmitter: 0 – 25 bars</div> <div>Control Body: IP 65 rated minimum</div> <div>Standard Specifications for Variable Frequency Drive</div> <div>1 MAIN SUPPLY (L1, L2, L3)</div> <div><div>Supply Voltage</div><div>3 x 380-480V AC or as specified by end-user</div></div> <div><div>Supply Frequency</div><div>60 Hz</div></div> <div><div>Displacement Power Factor</div><div>> 0.98</div></div> <div><div>True Power Factor</div><div>0.9</div></div>		

		<div>Switching on Input Supply L1, L2, L31 – 2 times / minute</div> <div>2 OUTPUT DATA (U, V, W)</div> <div>Output Voltage0 - 100%</div> <div>Switching on OutputUnlimited</div> <div>Ramp Times0.1 – 3600 seconds</div> <div>Maximum Output Frequency590 Hz</div> <div>3 DIGITAL INPUTS</div> <div>Programmable Digital Inputs6</div> <div>LogicPNP</div> <div>Voltage Level0 – 24V DC</div> <div>4 ANALOGUE INPUTS</div> <div>Number of Analogue Inputs2</div> <div>ModesCurrent</div> <div>Voltage Level- 10 to +10 (scaleable)</div> <div>Current Level0/4 to 20mA (scaleable)</div> <div>5 PULSE INPUTS</div> <div>Programmable Pulse Inputs2</div> <div>Voltage Level0-24V DC (PNP positive logic)</div> <div>Pulse Input AccuracyMax. error: 0.1% of full scale</div> <div>6 ANALOGUE OUTPUT</div> <div>Programmable Analogue Outputs1</div> <div>Current Range at Analogue Output0-4 - 20mA</div> <div>7 RELAY OUTPUTS</div> <div>Programmable Relay Outputs2</div> <div>8 FIELDBUS COMMUNICATIONEthernet IP</div> <div>9 AMBIENT TEMPERATUREUp to 55°C</div> <div>10 HARDWAREIP 55 Enclosure</div> <div>SPECIFICATIONS</div> <div>11 OTHER ACCESSORIES</div> <div>Pressure Transmitter____Bars</div> <div>- For on-site delivery</div> <div>- Supplier to provide high tensile mounting bolts for pump base</div> <div>- Supplier to provide BNG and flanges for both suction and discharge ports</div> <div>- Supplier to provide manufacturer pump test result upon delivery</div> <div>- Supplier to provide brochure with full specification and pump curve of offered booster pump</div> <div>Approved Budget Cost: ₱1,222,000.00 / set</div> <div>X X X X X</div> <div>This is a two (2) envelope system:</div> <div>Envelope “A” to contain the following; among others:</div> <div>a) A refundable bid bond in the form of cash, Manager's or Cashier's check equivalent to 2% or</div>	
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		<p>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 amount of bid;</p> <p>b) Terms of payment, delivery, warranty, bid validity and complete specifications;</p> <p>c) Brochure/s (Original);</p> <p>d) Proof of payment of a non-refundable fee of ₱5,000.00; otherwise, bids shall not be opened</p> <p>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;</p> <ul style="list-style-type: none">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.For locally produced / manufactured products, only a certificate of Authorized Distributorship / Dealership w/o red ribbon is required if applicable; <p>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);</p> <p>g) International Certificate of Warranty.</p> <p>Envelope "B" to contain the bid cost per unit.</p> <p>Pre-bid conference: October 11, 2024 9:30am via Zoom Application Meeting ID: 452 718 8447 Password: 9Buvqr</p>			

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

Deadline of submission of bids: **October 23, 2024** Opening of bids: **1:30 pm**

Prepared by: <u>signed</u> PAUL TRAJANO OIC - PURCHASING	Noted by: <u>signed</u> ATTY. MA. LUISA C. TENEDERO BAC IN-HOUSE	<u>signed</u> ENGR. REYNALDO C. JAYCO BAC-TECHNICAL
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**BWD RESERVES THE RIGHT TO REJECT BIDS &/OR DECLARE A FAILURE OF BIDDING
PURSUANT TO THE PERTINENT PROVISIONS OF RA 9184**

**BWD DOES NOT ENGAGE IN SOLICITATION OF FUNDS FROM ANY INDIVIDUALS OR ENTITIES, AND WE STRONGLY ADVISE
AGAINST RESPONDING TO ANY UNAUTHORIZED REQUESTS CLAIMING ASSOCIATION WITH OUR ORGANIZATION.**