



## Bid Notice Abstract

### Invitation to Bid (ITB)

**Reference Number** 9423424  
**Procuring Entity** BAGUIO WATER DISTRICT - BAGUIO CITY  
**Title** various water connection fittings (Water Meters of Various Sizes)  
**Area of Delivery** Benguet

<b>Solicitation Number:</b> 01-011P	<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> Water Service Connection Materials/Fittings	<b>Bid Supplements</b>	0
<b>Approved Budget for the Contract:</b> PHP 7,990,000.00		
<b>Delivery Period:</b>	<b>Document Request List</b>	0
<b>Client Agency:</b>		
	<b>Date Published</b>	25/01/2023
<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>	24/01/2023 08:05 AM
	<b>Closing Date / Time</b>	08/02/2023 13:30 PM

#### Description

2,600 pieces Water Meter 1/2"  
(Please see attached sheet for complete specifications)  
Approved Budget Cost: ₱ 2,400.00 / unit

10 pieces Water Meter 3/4"  
(Please see attached sheet for complete specifications)  
Approved Budget Cost: ₱ 8,750.00 / unit

50 pieces Water Meter 1"  
(Please see attached sheet for complete specifications)  
Approved Budget Cost: ₱ 18,250.00 / unit

600 pieces Water Meter Inserts 1/2"  
DMD-A Multi-Jet Magnetic Driven D N 15mm  
Includes the ff. Parts & part numbers:

1. Lid
2. Lock Pin
4. Sliding Gasket
5. Glass
6. O-Ring
7. Ultrasonic Welding Ring
8. Register
9. Central Gear
11. Magnetic shield ring
12. Register Chamber
13. Tightening Gasket



14. Turbine
15. Measuring Chamber
16. Bottom Strainer
23. Inlet Strainer

\* Note: with BWD Logo

Approved Budget Cost: ₱1,250.00 / PC

#### STANDARD SPECIFICATIONS FOR ½" Ø, ¾" Ø, AND 1" Ø WATER METERS

##### I. TYPE OF METER:

- a) Multi-jet dynamically balanced vane wheel. (DMD-A)
- b) Register assembly must be dry-type hermetically sealed.
- c) Anti-magnetic. Magnetic coupling must be protected from external magnetic fields of 1,500 gauss.
- d) With a removable strainer at the inlet with an effective area of at least three (3) times the body inlet.
- e) The dial lens shall be a high-impact glass lens and abrasion resistant.
- f) The regulator knob must be located outside the meter casing and provided with a seal protector.

##### II. DIMENSIONS:

- The size of the meter mean the clear internal diameter inlet to all outlet from the meter
- The overall length of the meter between connector faces shall be as follows:

½" Ø ¾" Ø 1" Ø

Overall Length of meter with connectors and gaskets, mm 165 - 190 190 - 195 225 - 260

##### III. MAIN CASING:

- The body must be made of corrosion-resistant copper alloy
- The casing must have the following markings: (a) Direction of flow on at least one side
- (b) Meter serial number and shall be located at the bonnet or at the body of the meter
- (c) The BWD logo shall be inscribed inside the face dial (per the sample).

##### IV. PERFORMANCE:

The meter must be able to retain accuracy based on the following performance index when tested on the test bench:

Item Unit ½" Ø ¾" Ø 1" Ø

Maximum flow rate, Q<sub>max</sub> Cu.m/hr 3 5 7

Nominal flow rate, Q<sub>n</sub> Cu.m/hr 1.5 2.5 3.5

Transitional flow rate, Q<sub>t</sub> l/h 120 200 280

Minimum flow rate, Q<sub>min</sub> l/h 30 50 70

Accuracy between

Q<sub>max</sub> and Q<sub>t</sub> ±2% ±2% ±2%

Accuracy between

Q<sub>t</sub> and Q<sub>min</sub> ±5% ±5% ±5%

Register capacity Cubic meter From 4 to 6 digits

Smallest readable

unit Cubic

meter 0.0001

The meter must still be to register the flow when subjected to "JERKING" test @ Q<sub>max</sub>

##### V. WORKING PRESSURE:

The meter working pressure shall be 10 bars or 145psi

##### VI. HEADLOSS:

The meter shall allow a loss of head not to exceed 1.00 bar at Q<sub>max</sub>:

Size ½" Ø ¾" Ø 1" Ø

Head loss at Q<sub>max</sub> Not exceed 1 bar

Head loss shall be undertaken for the performance evaluation of sample meters only. Head loss evaluation shall no longer be undertaken during the performance test which would adopt a series type of calibration test.

##### VII. OTHER FEATURES:

The meter should be designed for easy assembly and dis-assembly without the use of special tools or equipment and should be easy to maintain and repair

##### VIII. OTHER REQUIREMENTS:

Two (2) samples of water meters shall be submitted for testing. One (1) meter shall be tested for accuracy and the other shall be dismantled for physical examination. For the winning bidder – the sample meter that passed the accuracy test shall form part of the delivery. Testing of the water meters shall be conducted in the presence of the authorized representative of the bidder. An authorized representative from the bidder must be present during the conduct of the test. Should the supplier opt not to send a representative, it shall mean that they have waived their rights to witness the testing and the results of the said testing will be valid and final.

##### IX. CONDITIONS OF TESTING AND ACCEPTANCE:

All delivered meters that passed the physical evaluation shall be subjected to meter performance testing evaluation. All meters shall be tested as delivered without any adjustments to be made during the testing. If less than twenty percent (20%) of the total water meters do not pass the tests, the number of failed water meters shall be returned to the supplier for replacement. The replacement water meters shall be subjected to re-testing and the supplier will be required to pay fifty pesos (P50.00) fee for every replaced water meter that will undergo re-testing. The frequency of replacing the failed water meters and the subsequent re-testing will be allowed only once. Failure to pass the re-testing of the said replaced water meters would mean cancellation of the same (replaced water meters that underwent re-testing) from the Purchase Order. However, if more than twenty percent (20%) of the total water meters do not pass the tests, the number of water meters that passed the tests shall be paid to the supplier, and the remaining balance of the untested water meters including the water meters that failed the test will be canceled from the Purchase Order. An authorized representative from the bidder must be present during the conduct of the test. Should the supplier opt not to send a representative, it shall mean that they have waived their rights to witness the testing and the results of the said testing will be valid and final.

##### X. SCHEDULE IN THE DELIVERY OF WATER METERS:

For purchases of one thousand (1,000) pieces and above water meters, twenty-five percent (25%) staggered deliveries shall be accepted based on four (4) equal installments every



two (2) weeks as follows:

- (a) 1st delivery – 25%
- (b) 2nd delivery – 25%
- (c) 3rd delivery – 25%
- (d) 4th delivery – 25%

For purchases of five hundred (500) pieces and below water meters, delivery shall be made in full.

XI. WARRANTY:

All water meters shall be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of acceptance. Defective meters covered within the warranty period shall be replaced with new units without charge within fifteen (15) calendar days upon receipt of the notice, subject to the usual testing and acceptance procedures.

Note: Not to be awarded on a one (1) lot basis.

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. The 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 ₱25,000.00; 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: January 27, 2023

9:30 am via Zoom Application

Meeting ID: 452 718 8447

Password: 9Buvqr


**Pre-bid Conference**

Date	Time	Venue
27/01/2023	9:30:00 AM	Pre-bid conference: January 27, 2023 9:30 am via Zoom Application Meeting ID: 452 718 8447 Password: 9Buvqr

**Created by** Ma. Luisa C Tenedero

**Date Created** 24/01/2023

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	<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

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

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

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

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

RQ No.: **01 – 011P**

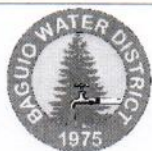
PR / JO No.: **011P**

Date of RQ: **January 16, 2023**

Purpose of RQ:  
 For Commercial Division use – Water  
 Maintenance / New Connection use

<b>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</b>				
	<b>Qty.</b>	<b>Description</b>	<b>U-Price</b>	<b>Total</b>
<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>2,600 pcs</b>	<b>Water Meter 1/2"</b> (Please see attached sheet for complete specifications) Approved Budget Cost: ₱ 2,400.00 / unit		
	<b>10 pcs</b>	<b>Water Meter 3/4"</b> (Please see attached sheet for complete specifications) Approved Budget Cost: ₱ 8,750.00 / unit		
	<b>50 pcs</b>	<b>Water Meter 1"</b> (Please see attached sheet for complete specifications) Approved Budget Cost: ₱ 18,250.00 / unit		
	<b>600 pcs</b>	<b>Water Meter Inserts 1/2"</b> DMD-A Multi-Jet Magnetic Driven D N 15mm Includes the ff. Parts & part numbers: 1. Lid 2. Lock Pin 4. Sliding Gasket 5. Glass 6. O-Ring 7. Ultrasonic Welding Ring 8. Register 9. Central Gear 11. Magnetic shield ring 12. Register Chamber 13. Tightening Gasket 14. Turbine 15. Measuring Chamber 16. Bottom Strainer 23. Inlet Strainer * Note: with BWD Logo Approved Budget Cost: ₱1,250.00 / pc		
<b>STANDARD SPECIFICATIONS FOR ½" Ø, ¾" Ø, 1" Ø WATER METERS</b> <b>I. TYPE OF METER:</b> a) Multi-jet dynamically balanced vane wheel. (DMD-A) b) Register assembly must be dry-type hermetically sealed. c) Anti-magnetic. Magnetic coupling must be protected from external magnetic fields of 1,500 gaussess.				





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

- d) With a removable strainer at the inlet with an effective area of at least three (3) times the body inlet.  
e) The dial lens shall be a high-impact glass lens and abrasion resistant.  
f) Regulator knob must be located outside the meter casing and shall be provided with a seal protector.

**II. DIMENSIONS:**

- The size of the meter mean the clear internal diameter inlet to all outlet from the meter
- The overall length of the meter between connector faces shall be as follows:

	1/2" Ø	3/4" Ø	1" Ø
Overall Length of meter with connectors and gaskets, mm	165 - 190	190 - 195	225 - 260

**III. MAIN CASING:**

- The body must be made of corrosion-resistant copper alloy
- The casing must have the following markings:
  - a. Direction of flow on at least one side
  - b. Meter serial number and shall be located at the bonnet or at the body of the meter
  - c. The **BWD logo** shall be inscribed inside the face dial (as per the sample).

**IV. PERFORMANCE:**

The meter must be able to retain accuracy based on the following performance index when tested on the test bench:

Item	Unit	1/2" Ø	3/4" Ø	1" Ø
Maximum flow rate, Q <sub>max</sub>	Cu.m/hr	3	5	7
Nominal flow rate, Q <sub>n</sub>	Cu.m/hr	1.5	2.5	3.5
Transitional flow rate, Q <sub>t</sub>	l/h	120	200	280
Minimum flow rate, Q <sub>min</sub>	l/h	30	50	70
Accuracy between Q <sub>max</sub> and Q <sub>t</sub>		±2%	±2%	±2%
Accuracy between Q <sub>t</sub> and Q <sub>min</sub>		±5%	±5%	±5%
Register capacity	Cubic meter	From 4 to 6 digits		
Smallest readable unit	Cubic meter	0.0001		

The meter must still be to register the flow when subjected to "JERKING" test @ Q<sub>max</sub>

**V. WORKING PRESSURE:**

The meter working pressure shall be 10 bars or 145psi

08 FEB 2023



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

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- g. International Certificate of Warranty.

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

Pre-bid conference: 27 JAN 2023  
 9:30am via Zoom Application  
 Meeting ID: 452 718 8447  
 Password: 9Buvqr

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

Deadline for submission of bids: 08 FEB 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