



Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number 10838814
Procuring Entity BAGUIO WATER DISTRICT - BAGUIO CITY
Title Water Meters with sizes 1/2" and 3/4" ; Water Meter inserts 1/2"
Area of Delivery Benguet

Solicitation Number:	05-068P	Status	Pending
Trade Agreement:	Implementing Rules and Regulations		
Procurement Mode:	Public Bidding	Associated Components	1
Classification:	Goods		
Category:	Water Service Connection Materials/Fittings	Bid Supplements	0
Approved Budget for the Contract:	PHP 7,671,000.00		
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		10/05/2024
	Last Updated / Time		09/05/2024 13:54 PM
	Closing Date / Time		05/06/2024 13:30 PM

Description

2,000 pcs Water Meter 1/2" Ø
(Please see attached sheet for complete specifications)
Approved Budget Cost: ₱2,700.00 / pc
30 pcs Water Meter 3/4" Ø
(Please see attached sheet for complete specifications)
Approved Budget Cost: ₱8,750.00 / pc
1,300 pcs Water Meter Inserts 1/2"
DMD-A Multi-Jet Magnetic Driven DN 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: ₱1,545.00 / pc

STANDARD SPECIFICATIONS FOR 1/2" Ø, 3/4" Ø, 1" Ø AND 1 1/2" 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 removable strainer at the inlet with an effective area of at least three (3) times the body inlet.
- e) The dial lens shall be 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 meter
- The overall length of the meter between connector faces shall be as follows:

1/2" Ø 3/4" Ø

Overall Length of meter with connectors and gaskets, mm

165 - 190 190 - 195

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 sample).

IV. PERFORMANCE:

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

Item Unit 1/2" Ø 3/4" Ø

Maximum flow rate, Qmax Cu.m/hr 3 5

Nominal flow rate, Qn Cu.m./hr 1.5 2.5

Transitional flow rate, Qt l/h 120 200

Minimum flow rate, Qmin l/h 30 50

Accuracy between Qmax and Qt ±2% ±2%

Accuracy between Qt and Qmin ±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 @ Qmax

V. WORKING PRESSURE:

The meter working pressure shall be 10 bars or 145psi

VI. HEADLOSS:

Meter shall allow a loss of head not to exceed 1.00 bar at Qmax:

Size 1/2" Ø 3/4" Ø

Head loss at Qmax Not to 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:

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 with the presence of the authorized representative of the bidder.

An authorized representative from the bidder must be present during the conduct of 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 for 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 their 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 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 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 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. 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 ₱10,000.00; 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.

Pre-bid Conference

Date	Time	Venue
24/05/2024	9:30:00 AM	9:30am via Zoom Application Meeting ID: 452 718 8447 Password: 9Buvqr

Created by Ma. Luisa C Tenedero

Date Created 09/05/2024

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