



**BAGUIO WATER DISTRICT**  
*"Serving Mankind is Serving God"*  
 003 Purok BWD, Brgy., Marcoville, Baguio City  
 Tel. No. 442-4858 Fax No. 442-4858/444-7245

Document No.: **ADM-PUR-F006**  
 Effectivity Date: **February 15, 2020**  
 Revision No.: **00**

**No. 035170**

**PURCHASE ORDER**

|   |                                      |
|---|--------------------------------------|
| Supplier : <b>FANM ENTERPRISES, INC.</b>          | P.O. No. : <b>35170</b>              |
| Tel No./ Fax No. : <b>(02) 8932-4361</b>          | Date : <b>March 20, 2023</b>         |
| Address / TIN : <b>Batasan Hills, Quezon City</b> | PR No./Abstract No. : <b>03-011P</b> |

Gentlemen/ Madam,

Please furnish this Office the following articles subject to the terms and conditions contained herein.

|  |  |
|--|--|
| Place of Delivery : <input type="checkbox"/> Pick up<br><input checked="" type="checkbox"/> <b>FOB BWD Warehouse</b><br><input type="checkbox"/> Deliver at site | P.O. Valid Until : <b>30 days</b><br>Warranty : <input type="checkbox"/> Six months <input checked="" type="checkbox"/> One year <input type="checkbox"/> Others (Pls. Specify)  |
| Date of Delivery : <input type="checkbox"/> Working days<br><b>8-12 weeks</b> <input type="checkbox"/> Calendar Days upon receipt of PO                          | <input checked="" type="checkbox"/> 1% Retention Required<br><input type="checkbox"/> Performance Bond Required (5% if in check/50% if GSIS surety bond)   |
| Delivery Term : <input type="checkbox"/> full <input type="checkbox"/> partial delivery allowed  | <input checked="" type="checkbox"/> Subject to testing / inspection prior to payment<br>Payment Term : <input type="checkbox"/> COD <input checked="" type="checkbox"/> 30 Days <input type="checkbox"/> Others (Pls. Specify) |

| Quantity   | Unit   | Description/Specifications              | Unit Cost | Amount              |
|--|--------|---|-----------|---------------------|
| 2,600  | pieces | Water Meter 1/2" Ø Brand: Dorot         | 2,400.00  | 6,240,000.00        |
| 10   | pieces | Water Meter 3/4" Ø Brand: Dorot         | 8,750.00  | 87,500.00           |
| 50   | pieces | Water Meter 1" Ø Brand: Dorot           | 18,250.00 | 912,500.00          |
| 600  | pieces | Water Meter Inserts 1/2" Ø Brand: Dorot | 1,250.00  | 750,000.00          |
| x x x x  |        |   |           | <b>7,990,000.00</b> |
| (Please see attached sheet for complete detailed specifications) |        |   |           |                     |

Usage / Requisitioner **For Commercial Division use - Water Maintenance / New Connection use c/o Engr. A.A.Abad / J.D.Carama**




|                       |                                  |                   |                             |                           |
|-----------------------|----------------------------------|-------------------|-----------------------------|---------------------------|
| Prepared by:          | Checked by:                      | Audited by:       | Recommending Approval:      | Approved By:              |
|                       |                                  |                   |                             |                           |
| MARCOS G. LAMANGAN    | ATTY. CHANELL DOLOR D. DE GUZMAN | LUZVIMIN G. RAMOS | ATTY. MA. LUISA C. TENEDERO | ENGR. SALVADOR AL. ROJECA |
| Purchasing Supervisor | Admin Division Manager           | Internal Auditor  | AGM-Adm./Com./Fin.          | General Manager           |

|   |      |
|---|------|
| Conforme:                               |      |
| Signature over Printed Name of Supplier | Date |

|   |  |
|---|--|
| Funds Available:                        | Acct. :  |
| <br>JELYN D. PENALES<br>Finance Manager | Operating / Maintenance Expense <input type="checkbox"/><br>CAPEX <input checked="" type="checkbox"/><br>Other Payables <input type="checkbox"/> |

**06M03-28**



|   |   |  |               |                   |
|---|---|--|---------------|-------------------|
|    | <b>BAGUIO WATER DISTRICT</b><br><b>BWD Compound, Utility Road, Baguio City 2600</b> |  | Document No.  | ADM-PUR-F006      |
|   | <b>PURCHASE ORDER (P.O)</b>   |  | Revision Date | February 15, 2020 |
|   |   |  | Revision No.  | 00                |

Purchase Order No. 35170 dated March 20, 2023

- Item 1: 2,600 pieces DOROT DMD-A Multi-Jet Water Meter ½" Ø
- Item 2: 10 pieces DOROT DMD-A Multi-Jet Water Meter ¾" Ø
- Item 3: 50 pieces DOROT DMD-A Multi-Jet Water Meter 1" Ø

I. TYPE OF METER:

- Multi-jet dynamically balanced vane wheel. (DMD-A).
- Register assembly must be dry-type hermetically sealed.
- Anti-magnetic. Magnetic coupling must be protected from external magnetic fields of 1500 gauss.
- With a removable strainer at the inlet with an effective area of at least three (3) times the body inlet.
- The dial lens shall be a high-impact and abrasion-resistant glass lens.
- The 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:

|   | ½" Ø    | ¾" Ø    | 1" Ø    |
|---|---------|---------|---------|
| Length of meters without connectors and gaskets | 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 shall be located at the bonnet or 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:




|                               | Unit        | ½" Ø               | ¾" Ø | 1" Ø |
|-------------------------------|-------------|--------------------|------|------|
| Maximum Flow rate, Qmax       | cu.m/hr.    | 3                  | 5    | 7    |
| Nominal flow rate, Qn:        | cu.m/hr.    | 1.5                | 2.5  | 3.5  |
| Transitional flow rate, Qt:   | l/h         | 120                | 200  | 280  |
| Minimum flow rate, Qmin:      | l/h         | 30                 | 50   | 70   |
| Accuracy between Qmax and Qt: |             | ±2%                | ±2%  | ±2%  |
| Accuracy between Qt and Qmin: |             | ±5%                | ±5%  | ±5%  |
| Register Capacity             | Cubic meter | From 4 to 6 digits |      |      |
| Smallest readable unit        | Cubic meter | 0.0001             |      |      |

V. WORKING PRESSURE:

- Working Pressure: 10 bars or 145psi

VI. HEADLOSS:



|   |   |               |                   |              |
|---|---|---------------|-------------------|--------------|
|    | <p align="center"><b>BAGUIO WATER DISTRICT</b><br/> <b>BWD Compound, Utility Road, Baguio City 2600</b></p> <p align="center"><b>PURCHASE ORDER (P.O)</b></p> |               | Document No.      | ADM-PUR-F006 |
|   |   | Revision Date | February 15, 2020 |              |
|   |   | Revision No.  | 00                |              |

- Meter shall allow a loss of head not to exceed 1.00 bar at Qmax
- 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 disassembly without 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 bidder's authorized representative.

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 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 supplier 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:**

8 – 12 weeks upon receipt of confirmed Purchase Order

|   |   |  |               |                   |
|---|---|--|---------------|-------------------|
|    | <b>BAGUIO WATER DISTRICT</b><br><b>BWD Compound, Utility Road, Baguio City 2600</b> |  | Document No.  | ADM-PUR-F006      |
|   |   |  | Revision Date | February 15, 2020 |
|   | <b>PURCHASE ORDER (P.O)</b>   |  | Revision No.  | 00                |

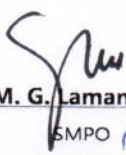
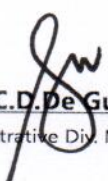
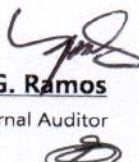
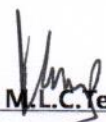
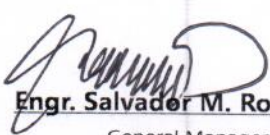
**XI. WARRANTY:**

The 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 BWD evaluation and acceptance.


**Item 4: 600 pieces Water Meter Inserts ½" Ø DMD-A Multi-Jet Magnetic Driven  
DN 15mm Includes the following 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

**Usage:** For Commercial Division use – Water Maintenance / New Connection use c/o Engr. A.A.Abad /JD Caramé

|  |   |   |   |   |
|--|---|---|---|---|
| Prepared by:   | Checked by:   | Audited by:   | Recommending Approval:  | Approved by:  |
| <br><b>M. G. Lamangan</b><br>SMPO | <br><b>Atty. C.D. De Guzman</b><br>Administrative Div. Manager | <br><b>L. G. Ramos</b><br>Internal Auditor | <br><b>Atty. M.L.C. Yenedero</b><br>AGM Adm./Com./Fin./ICT | <br><b>Engr. Salvador M. Royeca</b><br>General Manager |



|   |  |                               |
|---|--|-------------------------------|
|  | <b>BAGUIO WATER DISTRICT</b><br><b>Bids and Awards Committee</b><br><b>(In-house)</b><br><b>RESOLUTION</b> | Document Code: BAC_IH         |
|   |  | Document No. BAC_IH_F002      |
|   |  | Effective Date: 16 March 2020 |
|   |  | Revision No. 00               |

**BIDS AND AWARDS COMMITTEE**  
**RESOLUTION NO: 014-2023**  
**(RQ 01-011P: Water Meters & Inserts)**

**WHEREAS**, the Baguio Water District-Bids and Awards Committee (BWD-BAC), in accordance with the provisions of Republic Act (RA) No. 9184, conducted the bidding for the procurement of a) two thousand six hundred (2,600) pcs. ½" water meters; b) ten (10) pcs. ¾" water meters; c) fifty (50) pcs. 1" water meters and d) six hundred (600) pcs. ½" water meter inserts, all with required specifications under Request for Quotation (RQ) No. 01-011P dated 16 January 2023, under a two-envelope system of bidding but not to be awarded on a one (1) lot basis;

**WHEREAS**, the approved budget unit costs for the said procurement are: a) Php2,400.00/pc - ½" water meters; b) Php8,750.00/pc- ¾" water meters; c) Php18,250.00/pc-1" water meters and d) Php1,250.00/pc- ½" water meter inserts;

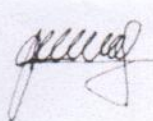
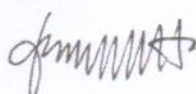

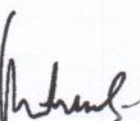
**WHEREAS**, only **FANM ENTERPRISES, INC.** submitted its bids, and during the opening of the technical bids on 08 February 2023, it was determined that the **FANM ENTERPRISES, INC.** submitted complete documentary requirements; thus, its bids were subjected to TWG evaluation;



**WHEREAS**, upon evaluation by the Technical Working Group of the offers of the lone bidder, it was determined that it submitted complying bids for items *a-d* thus, its financial proposal (Envelope "B") was opened on 23 February 2023 and the bids as read and calculated are as follows:

| NAME OF BIDDER                | BRAND | BID AS READ<br>AND<br>CALCULATED<br>(pc/unit) | %<br>VARIANCE<br>FROM ABC | ABC<br>(pc/unit) |
|-------------------------------|-------|---|---------------------------|------------------|
| <b>FANM ENTERPRISES, INC.</b> |       |   |                           |                  |
| a) ½" water meters            | Dorot | Php2,400.00                                   | -0-                       | Php2,400.00      |
| b) ¾" water meters            | Dorot | Php8,750.00                                   | -0-                       | Php8,750.00      |
| c) 1" water meters            | Dorot | Php18,250.00                                  | -0-                       | Php18,250.00     |
| d) ½" water meter inserts     | Dorot | Php1,250.00                                   | -0-                       | Php1,250.00      |

**WHEREAS**, upon qualification and careful examination, validation and verification of all the documents submitted by and of the financial bids of the lone complying bidder, it has been determined that the financial bids of **FANM ENTERPRISES, INC.** for items *a-d* are determined to be the lone calculated responsive bids;

**NOW THEREFORE, on motion duly seconded, be it**

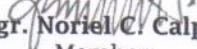


**RESOLVED**, as it is hereby resolved, to recommend to the Head of Procuring Entity (HOPE) awarding the procurement of a) two thousand six hundred (2,600) pcs.  $\frac{1}{2}$ " water meters; b) ten (10) pcs.  $\frac{3}{4}$ " water meters; c) fifty (50) pcs. 1" water meters and d) six hundred (600) pcs.  $\frac{1}{2}$ " water meter inserts, with the offered brand and specifications, to **FANM ENTERPRISES, INC.** for being the lone calculated responsive bidder.

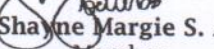
**UNANIMOUSLY APPROVED (02 March 2023)**

  
Engr. Fernando A. Peria  
Vice-Chairperson

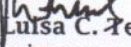
  
Engr. Reynant I. De Torres  
Member

  
Engr. Noriel C. Calpito  
Member

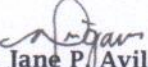
  
Engr. Michael Jordan E. Sison  
Member

  
Engr. Shayne Margie S. Abellera  
Member

  
Geovani L. Piza  
Member

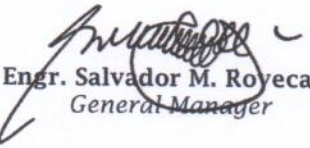
  
Atty. Ma. Luisa C. Tenedero  
Chairperson

Attested by the Secretariat:

  
Apple Jane P. Aviles

  
Sharlene M. Durante

Approved by:

  
Engr. Salvador M. Royeca  
General Manager