







BAGUIO WATER DISTRICT

BWD Compound, Utility Road, Baguio City 2600

PURCHASE ORDER (P.O)

Document No.

ADM-PUR-F006

Revision Date

October 29, 2019

Revision No.

02

Nº 036179

Supplier / Contractor	: FANM ENTERPRISES, INC.	Purchase Order No.	: 36179
Contact Number	: (02) 8932-4361	Date	: July 30, 2024
Address / TIN	: Batasan Hills, Quezon City	PR No. / Abstract No.	: 07-068P

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 <input checked="" type="checkbox"/> FOB BWD Warehouse <input type="checkbox"/> Deliver at Site:	Purchase Order (PO) Valid Until:	: 30 DAYS
Date of Delivery	: 8-12 Working Days WEEKS <input type="checkbox"/> Calendar Days upon receipt of PO	Warranty:	: <input type="checkbox"/> Six Months <input checked="" type="checkbox"/> One Year <input type="checkbox"/> Others (please specify)
Delivery Term	: <input type="checkbox"/> Full <input type="checkbox"/> Partial Delivery allowed	<input checked="" type="checkbox"/> 1% Retention Required <input type="checkbox"/> Performance Bond Required (5% if in check / 50% if GSIS surety bond) <input checked="" type="checkbox"/> Subject to testing / inspection prior to payment	Payment Term: <input type="checkbox"/> COD <input checked="" type="checkbox"/> 30 Days <input type="checkbox"/> Others (please specify)

Quantity	Unit	Description / Specifications	Unit Cost	Amount
2,000	pcs	Water Meter 1/2"Ø "Dorot"	2,700.00 ₱	5,400,000.00
30	pcs	Water Meter 3/4"Ø "Dorot"	8,750.00	262,500.00
1,300	pcs	Water Meter Inserts 1/2" "Dorot"	1,545.00	2,008,500.00
		x-x-x-x-x-x-x-x-x-x-x		₱ 7,671,000.00
(Please see attached sheet for complete detailed specifications)				






Usage / Requisitioner: For Commercial Division - Water Maintenance / New Connection use

Prepared by:	Checked by:	Audited by:	Recommending Approval:	Approved by:
<div><div>signed</div><div>JOYCE M. BAYAN</div><div>OIC Purchasing Supervisor</div></div>	<div><div>signed</div><div>ATTY. CHANEL DOLOR D. DE SUZMAN-BITAO</div><div>Admin. Div.</div></div>	<div><div>signed</div><div>JOYCE M. BAYAN</div><div>Internal Auditor</div></div>	<div><div>signed</div><div>ATTY. MA. LUISA C. TENEDERO</div><div>AGM-Adm./Com./Fin.</div></div>	<div><div>signed</div><div>ENGR. SALVADOR M. ROTICA</div><div>General Manager</div></div>
Conforme:				
Signature over Printed Name of Supplier		Date		

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






  	<b>BAGUIO WATER DISTRICT</b> <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

Supplier/Contractor	: FANM ENTERPRISES	Purchase Order No.	: 36179
Contact Number	: 02-8932-4361	Date	: July 30, 2024
Address / TIN	: Batasan Hills, Quezon City	PR No./Abstract No.	: 07-068P




Qty	Unit	Description	Unit Cost	Amount						
2,000	Pcs	<b>Water Meter 1/2"Ø "Dorot"</b> (Please see complete specifications below)	2,700.00	₱5,400,000.00						
30	Pcs	<b>Water Meter 3/4"Ø "Dorot"</b> (Please see complete specifications below)	8,750.00	262,500.00						
1,300	pcs	<b>Water Meter Inserts 1/2" "Dorot"</b> 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	1,545.00	2,008,500.00						
<div><div><b>STANDARD SPECIFICATIONS FOR 1/2" Ø, 3/4" Ø, 1" Ø AND 1 1/2" Ø WATER METERS</b></div><div><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 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.</div><div><b>II. DIMENSIONS:</b> · 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:<table><tr><td></td><td>1/2" Ø</td><td>3/4" Ø</td></tr><tr><td>Overall Length of meter with connectors and gaskets, mm</td><td>165 - 190</td><td>190 - 195</td></tr></table></div><div><b>III. MAIN CASING:</b> • The body must be made of corrosion-resistant copper alloy • The casing must have the following markings:</div></div>						1/2" Ø	3/4" Ø	Overall Length of meter with connectors and gaskets, mm	165 - 190	190 - 195
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Qty	Unit	Description	Unit Cost	Amount																																										
		(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 <b>BWD logo</b> shall be inscribed inside the face dial (as per sample). <b>IV. PERFORMANCE:</b> The meter must be able to retain accuracy based on the following performance index when tested in the test bench: <table><tr><th>Item</th><th>Unit</th><th>1/2" Ø</th><th>3/4" Ø</th></tr><tr><td>Maximum flow rate, Qmax</td><td>Cu.m/hr</td><td>3</td><td>5</td></tr><tr><td>Nominal flow rate, Qn</td><td>Cu.m./hr</td><td>1.5</td><td>2.5</td></tr><tr><td>Transitional flow rate, Qt</td><td>l/h</td><td>120</td><td>200</td></tr><tr><td>Minimum flow rate, Qmin</td><td>l/h</td><td>30</td><td>50</td></tr><tr><td>Accuracy between Qmax and Qt</td><td></td><td>±2%</td><td>±2%</td></tr><tr><td>Accuracy between Qt and Qmin</td><td></td><td>±5%</td><td>±5%</td></tr><tr><td>Register capacity</td><td>Cubic meter</td><td colspan="2">From 4 to 6 digits</td></tr><tr><td>Smallest readable unit</td><td>Cubic meter</td><td colspan="2">0.0001</td></tr></table> The meter must still be to register the flow when subjected to "JERKING " test @ Qmax <b>V. WORKING PRESSURE:</b> The meter working pressure shall be 10 bars or 145psi <b>VI. HEADLOSS:</b> Meter shall allow a loss of head not to exceed 1.00 bar at Qmax: <table><tr><th>Size</th><th>1/2" Ø</th><th>3/4" Ø</th></tr><tr><td>Head loss at Qmax</td><td colspan="2">Not to exceed 1 bar</td></tr></table> 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. <b>VII. OTHER FEATURES:</b> 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 <b>VIII. OTHER REQUIREMENTS:</b> 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. <b>IX. CONDITIONS OF TESTING AND ACCEPTANCE:</b> All delivered meters that passed the physical evaluation shall be subjected to meter performance testing evaluation.	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		Size	1/2" Ø	3/4" Ø	Head loss at Qmax	Not to exceed 1 bar			
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Qty	Unit	Description	Unit Cost	Amount
		<p>All meters shall be tested as delivered without any adjustments to be made during the testing.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p><b>X. SCHEDULE IN THE DELIVERY OF WATER METERS:</b></p> <p>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:</p> <p>(a) 1<sup>st</sup> delivery – 25%  (b) 2<sup>nd</sup> delivery – 25%  (c) 3<sup>rd</sup> delivery – 25%  (d) 4<sup>th</sup> delivery – 25%</p> <p>For purchases of five hundred (500) pieces and below water meters, delivery shall be made in full.</p> <p><b>XI. WARRANTY:</b></p> <p>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.</p>		

Total: ₱ 7,671,000.00

Usage: For Commercial Division - Water Maintenance / New Connection use

Prepared by:	Checked by:	Audited by:	Recommending proval:	Approved by:
<i>signed</i> <b>P.A. Rajano</b> IC-SMPO	<b>Atty. C.D. De Guzman Bitao</b> Administrative Division Manager	<b>W. G. Ramos</b> Internal Auditor	<i>signed</i> <b>Atty. M.C. Tenedero</b> AGM Adm./Com./Fin./ICT	<i>signed</i> <b>Engr. Salvador M. Royeca</b> General Manager

AUG 01 2024

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

**BIDS AND AWARDS COMMITTEE  
RESOLUTION NO. 105-2024**  
Request for Quotation (RQ) No. 05-068P  
Water Meters and Water Meter Inserts

**WHEREAS**, the Baguio Water District-Bids and Awards Committee (BWD-BAC), in accordance with the provisions of Republic Act (RA) No. 9184 and its Revised Implementing Rules and Regulations, conducted the bidding for the procurement of the following, all with required specifications under RQ No. 05-068P, dated 08 May 2024, under a two-envelope system of bidding but not to be awarded on a one-lot basis and with approved budget unit costs of:

Quantity	Description	ABC (per piece)
2,000 pieces	½” Ø Water Meter	Php2,700.00
30 pieces	¾” Ø Water Meter	Php8,750.00
1,300 pieces	½” Water Meter Inserts	Php1,545.00

**WHEREAS**, only **FANM ENTERPRISES, INC.** submitted its bids and during the opening of the technical bids on 05 June 2024, it was determined that the lone bidder submitted complete documentary requirements, thus, its technical proposal was submitted to the Technical Working Group (TWG) for evaluation;

**WHEREAS**, on 03 July 2024, the technical proposal of **FANM ENTERPRISES, INC.** was rated by the TWG as “*complying*” including the physical and performance testing of the sample ½” water meters submitted during the bidding;

**WHEREAS**, the financial bids of **FANM ENTERPRISES, INC.** were opened and the bids as read and calculated are as follows:

DESCRIPTION	BID PRICE (per piece)	% VARIANCE FROM ABC	ABC (per piece)
<b>FANM ENTERPRISES, INC.</b>			
½” Ø Water Meter	Php2,700.00	-0-	Php2,700.00
¾” Ø Water Meter	Php8,750.00	-0-	Php8,750.00
½” Water Meter Inserts	Php1,545.00	-0-	Php1,545.00

**WHEREAS**, upon post-qualification, careful examination, validation, and verification of all the documents submitted by and of the financial bids of the complying bidder, it has been determined that **FANM ENTERPRISES, INC.** submitted complete documents and its financial bids 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 the Procuring Entity awarding the procurement of 2,000 pieces of ½” Ø water meter inserts, 30 pieces of ¾” Ø Water Meter, and 1,300 pieces of water meter inserts to **FANM ENTERPRISES, INC.** with the offered brands, specifications, and bid prices for being the lone calculated responsive bidder.

**UNANIMOUSLY APPROVED (05 July 2024)**

Signed

Engr. Noriel C. Calpito

Vice-Chairperson

Signed

Rodrigo O. De Venecia, Jr

Member

Signed

Engr. Shayne Margie S. Abellera

Member

Signed

Romeo S. Adriano

Member

Signed

Engr. Dominic T. Agusdan

Member

Signed

Atty. Frances Louise E. Gener

Member

Signed

Atty. Ma. Luisa C. Tenedero

Chairperson

Attested by:

Signed

Apple Jane P. Aviles

Secretariat

Signed

Sharlene M. Durante

Secretariat

Approved by:

Signed

Engr. Salvador M. Royeca

General Manager