Republic of the Philippines
METRO ROXAS WATER DISTRICT
MRWD Bldg., Km. 1, Roxas City 5800, Philippines

November 19, 2019

SUPPLEMENTAL/ BID BULLETIN

NAME OF THE PROJECT: Contract for the Supply and Delivery of Seven Thousand (7,000) Pieces of 1/2"Ø Multi-Jet Water Meter, Fifty (50) Pieces of 1"Ø Water Meter, and Ten (10) Pieces of 50mm (2") Flowmeter

This Addendum No. 1 is issued to modify or amend the Section I- Invitation To Bid, Section III-Bid Data Sheet, Section VI- Schedule of Requirements of the Bidding Documents, Invitation To Bid No. 002-2020 and Checklist of Requirements for Bidders under the Contract for the Supply and Delivery of Seven Thousand (7,000) Pieces of 1/2"Ø Multi-Jet Water Meter, Fifty (50) Pieces of 1"Ø Water Meter, and Ten (10) Pieces of 50mm (2") Flowmeter. This shall form an integral part of the Bidding Documents.

Amended Invitation To Bid:

Contract Duration:	NINETY (90) CALENDAR DAYS FROM RECEIPT OF CONTRACT AND NOTICE TO PROCEED
Delivery of Goods:	WITHIN NINETY (90) CALENDAR DAYS FROM RECEIPT OF CONTRACT, PURCHASE ORDER AND NOTICE TO PROCEED

Amended Checklist of Requirements for Bidders:

Technical Requirement No. 15- Duly signed Production/ Delivery schedule indicating its commitment to deliver the Goods within 90 calendar days from receipt of Contract, Purchase Order and Notice to Proceed;

Technical Requirement No. 17 - Brochure and Shop Drawings of the offered ½"Ø and 1"Ø Multi-jet Water Meter, and 50mm (2") Flow Meter;

Technical Requirement No. 20 - Blown-away/exploded drawing of the multi-jet water meter and flowmeter with corresponding part number and price list for each part;

Technical Requirement No. 23 - Valid Metrological Approval Test Certificates - OIML R49/2006 –International Organization of Legal Metrology.

Amended Section I Invitation To Bid:

The METRO ROXAS WATER DISTRICT now invites bids for Contract on the Supply and Delivery of Seven Thousand (7,000) Pieces of ½"Ø Multi-Jet Water Meter, Fifty (50) Pieces 1"Ø Multi-Jet Water, and Ten (10) Pieces 50mm (2") Flow Meter. Delivery of the Goods is required within Ninety (90) calendar days from receipt of Contract, Purchase Order (PO), and Notice to Proceed (NTP). Bidders should have completed, within five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.

Amended Section III- Bid Data Sheet:
ITB Clause 12.1 (a)- Additional Technical Requirements

Technical Requirement No. 15- Duly signed Production/ Delivery schedule indicating its commitment to deliver the Goods within 90 calendar days from receipt of Contract, Purchase Order and Notice to Proceed;

Technical Requirement No. 17 - Brochure and Shop Drawings of the offered ½"Ø and 1"Ø Multi-jet Water Meter, and 50mm (2") Flow Meter;

Technical Requirement No. 20 - Blown-away/exploded drawing of the multi-jet water meter and flowmeter with corresponding part number and price list for each part;

Technical Requirement No. 23 - Valid Metrological Approval Test Certificates - OIML R49/2006 –International Organization of Legal Metrology.

Amended Section VI- Schedule of Requirements:

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

	4.) DIMENSIONS: a.) Length with two (2) tail piece: 265mm - 380mm. **5.) PERFORMANCE DATA:** a.) Qmax (max. flow rate): 3 cubic meter/hr. b.) Qn (normal flow rate): 1.5 cubic meter/hr. c.) Qt (transitional flow rate):120 li/hr. d.) Qmin. (minimum flow rate) : 30 li/hr. e.) Accuracy bet. Qmax and Qt: ±2%. f.) Accuracy bet. Qt and Qmin. : ±2%. g.) Head loss @ Qmax. : 1 Bar/15psi. h.) Minimum register capacity: 0.1 liter. i.) Register capacity: at least 10,000 cubic meter **6.) MARKING ON WATER METER:** a.) Meter Maker/Brand; b.) MRWD Name and serial number shall be deeply engraved; c)Flow direction and maximum flowrate shall be permanently embossed on body casing; **7.) FLOW RATE ACCURACY:** a.) Nominal Flow, 1500li./hr. = 98% - 102% efficiency b.) Transitional Flow, 120li./hr. = 98% - 102% efficiency c.) Minimum Flow, 30li./hr. = 95% - 105% efficiency			
2.	**Lot 2** **Multi-jet Water Meter 1"Ø** **1. SPECIFICATIONS:** a) Type: Multi-Jet/Velocity, Class B. b) Transmission: Magnetic-Direct. c) Accuracy: Horizontal (98% to 102%). d) Installation Set-up: Horizontally Up-right. e) Body: made of brass including it's cover assembly with threaded connection f) Filter/Strainer: Made of high density engineering plastic. g) Magnetic Protection: (measuring chamber, turbine/vane wheel and register/pressure chamber must be made of engineering plastic). h) Meter must be provided with Anti-Tampering accessories such as: water	Fifty (50)	Fifty (50) Pieces	

	meter seal/protector, plastic lens and the like. i) Two (2) Tailpieces with gasket shall be provided per water meter (tail pieces should be of the same material with the body to where it is connected). **2.) FEATURES:** a) Only one moving part-the impeller in contact with water. b) Wide selection of dial configuration. c) Parts of water meter insert must be repairable and replaceable. d) Spare parts stipulated in the exploded view must be available e) Water meter reading can be re-set manually. **3.) WORKING CONDITIONS:** a) Max. working pressure : 10 bar (150 PSI). b) Max. working temperature : 50 degrees centigrade (°C). c) Body: must be made of brass including its cover assembly. **4.) DIMENSIONS:** b.) Length with two (2) tail piece: 265mm - 420mm. **5.) PERFORMANCE DATA:** a.) Qmax (max. flow rate): 7 cubic meter/hr. b.) Qn (normal flow rate): Min. of 3.5 cubic meter/hr. c.) Qt (transitional flow rate):280 li/hr. d.) Qmin. (minimum flow rate) : 70 li/hr. e.) Accuracy bet. Qmax and Qt: ±2%. f.) Accuracy bet. Qt and Qmin. : ±5%. g.) Head loss @ Qmax. : 1 Bar/15psi. h.) Minimum register capacity: 0.1 liter. i.) Register capacity: at least 10,000 cubic meter **6.) MARKING ON WATER METER:** a) Meter Maker/Brand; b) MRWD Name and serial number shall be deeply engraved; c)Flow direction and maximum flowrate shall be permanently embossed on body casing; **7.) FLOW RATE ACCURACY:** a.) Nominal Flow, 3500li./hr. = 98% - 102%			Within 90 Calendar Days from receipt of Contract, Purchase order and Notice to Proceed

	efficiency b.) Transitional Flow, 280li./hr. = 98% - 102% efficiency c.) Minimum Flow, 70li./hr. = 95% - 105% efficiency.			
3.	**Lot 3** **50mm (2") Flow Meter** **1.) SPECIFICATIONS:** a) Type: Woltman b) Transmission: Magnetic-Direct. c) Accuracy:Horizontal (98% to 102%). d) Installation Set-up: Horizontally Up-right e) Body: Made of cast Iron C.I. polyster coated f) Connection: Flanged Connection **2.) FEATURES:** a) Only one moving part which is in contact in the water propeller b) Wide selection of dial configuration. c) Parts of water meter must be repairable and replaceable. d) Spare parts stipulated in the exploded view must be available e) Vacuum sealed register in stainless steel glass encapsulated **3.) WORKING CONDITIONS:** a) Max. working pressure : 16 bar . b) Max. working temperature : 60 degrees centigrade (°C). c) Body: made of Cast Iron C.I. polyster coated. **4.) PERFORMANCE DATA:** a.) Qmax (max. flow rate): 100 cubic meter/hr. b.) Qn (normal flow rate): 50 cubic meter/hr. c.) Qt. (transitional flow rate) : 0.7 cubic meter/hr. d) Qmin. (minimum flowrate) : 0.3 cubic meter/hr. e) Accuracy bet. Qmax and Qt: +2% f) Accuracy bet. Qt and Qmin: +5% g) Head loss @ Qmax. : 1 Bar/15psi h) Minimum register capacity : 0.1 liter i) Register Capacity : at least 10,000 cubic meter **5.) MARKING ON WATER METER:** a) Meter Maker/Brand b) Flow direction, flowrate and size can be	Ten (10)	Ten (10) Pieces	Within 90 Calendar Days from receipt of Contract, Purchase order and Notice to Proceed

	seen on the body **6.) Dimension** Size: 50 mm Length: min. of 200mm Width: min of 165mm Height: min of 214mm **7.) Flow rate Accuracy** a) Nominal Flow, 50 cubic meter/hr = 98%-102% efficiency b) Transitional Flow, 0.70 cubic meter/hr = 98%-102% efficiency c) Minimum Flow, 0.30 cubic meter/hr = 95%-105% efficiency			

For guidance and information of all concerned.

ATTY. DANTE A. ARCANGELES
Chairperson
Bids and Awards Committee