



TOLEDO CITY WATER DISTRICT

2nd Flr. Terminal Bldg., Baybay I
Poblacion, Toledo City, Cebu
Tel. Nos. 0(32) 467 8544/ 467 8533/ 467 8366
Telefax: 0(32) 467 9449

INVITATION TO BID FOR THE SUPPLY AND DELIVERY OF 5,000 PCS WATER METERS TO REPLACE OLD METERS AND CLUSTERING AT CENTRAL SECTION (IBO-ILIHAN, TOLEDO CITY) – PHASE 1

1. The *Toledo City Water District*, through the 2016 *Corporate Budget* intends to apply the sum of *Seven Million Five Hundred Thousand Pesos (Php7,500,000.00)* being the Approved Budget for the Contract (ABC) to payments under the contract for the *Supply and Delivery of 5,000 Pcs Water Meters to Replace Old Meters and Clustering at Central Section (Ibo-Ilihan, Toledo City)-Phase 1*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Toledo City Water District* now invites bids for the *Supply and Delivery of 5,000 Pcs Water Meters to Replace Old Meters and Clustering at Central Section (Ibo-Ilihan, Toledo City)-Phase 1*. Delivery of the Goods is required *within thirty (30) calendar days as stipulated in the schedule of requirements*. Bidders should have completed, within the last three (3) 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.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”.

Bidding is open to all interested bidders, whether local or foreign, subject to the conditions for eligibility provided in the IRR of RA 9184.


4. Interested bidders may obtain further information from *Toledo City Water District* and inspect the Bidding Documents at the address given below during *8:00 am – 5:00 pm*.
5. A complete set of Bidding Documents may be purchased by interested Bidders on *October 4, 2016 to October 28, 2016* from the address below and upon payment of a nonrefundable fee for the Bidding Documents in the amount of *Ten Thousand Pesos (Php10,000.00)*.
6. The *Toledo City Water District* will hold a Pre-Bid Conference on *October 14, 2016 at 2:00 pm* at the *TCWD Conference Room, 2F Terminal Bldg., Baybay I, Poblacion, Toledo City* which shall be open only to all interested parties who have purchased the Bidding Documents.

7. Bids must be delivered to the address below on or before 1:30 pm on *October 28, 2016*. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 18.

Bid opening shall be on *October 28, 2016 at 2:00 pm* at the *TCWD Conference Room, 2F Terminal Bldg., Baybay 1, Poblacion, Toledo City*. Bids will be opened in the presence of the Bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.

8. The *Toledo City Water District* assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of bids.
9. The *Toledo City Water District* reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.
10. For further information, please refer to:

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Ruben J. Zanoria
BAC Chairperson



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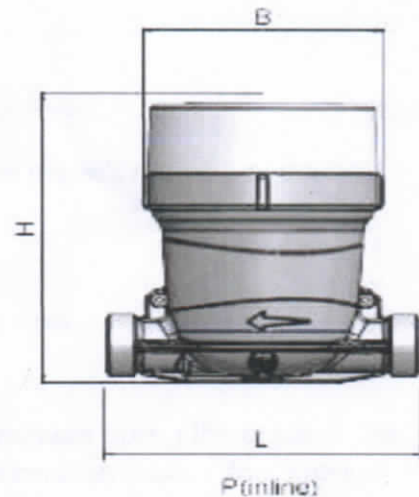
BIDS and AWARDS COMMITTEE (BAC) TECHNICAL WORKING GROUP

COMPLETE SPECIFICATIONS

Project Title: Replacement of Old Water Meters & Cluster Stands at Central Section (Ibo-Ilihan), Toledo City, Phase #1

For 1/2"Ø Water Meter (Multi-jet)

- Reinforced Polymeric/Polyethylene / Plastic Body, inline form
- Minimum Body Height, H = 102mm
- Minimum Body Length, L = 165mm
- Minimum Body Width, B = 95mm
- Multi-jet Magnetic type
- Comply w/ ISO 4064:2005, MID, NSF for 1/2"Ø Residential Water Meters
- Inlet/ Outlet for 1/2"Ø Pipe
- Maximum Working Pressure of 16 bar
- With Serial Number Engraved
- Inserts/ Spare parts are available
- Wide selection of dial configurations (3 pointers; Central pointer) and unit measurements
- Maximum Working Temperature, 50°C
- With tailpieces, nuts and gaskets
- Meter Register: Regular, Max Reading: 10⁵



Other Technical Specifications:

- I. The water meter shall measure potable water in close conduit pipes.
- II. Only water meters which have been tested by TCWD for at least one (1) year and found satisfactory, shall be considered during evaluation. The meters to be supplied must be exactly the same as the samples tested, evaluated and found satisfactory by TCWD. Any deviation from the samples tested shall be a warrant for disqualification.
- III. Maximum rate capacity: Not less than 2m³/hr

IV. Meter Register Special Features and Provisions

- a. Access to the register's number drums must be relatively easy so that the meter register's number drums can be checked for possible looseness causing irregular readings. If the register is completely sealed that there is no access to the number drums, the manufacturer shall guarantee immediate replacement of the register is the register's reading is doubtful and is opened for checking.
- b. Re-sealing of the meter against tampering shall be made possible using #22 magnetic wires.
- c. Maximum Register's Capacity: 10⁵
- d. Minimum Register's Capacity: 0.1

V. Metrological Classification (Based on ISO 4064:2005) – Minimum Requirements.

Defined Flowrates	Allow. Error (%)
Q₄ (Overload Flowrate) = 1.25 x Q ₃	± 2%
Q₃ (Permanent Flowrate) = At least 1.5 m ³ /h	± 2%
Q₂ (Transitional Flowrate) = 1.6 x Q ₁	± 5%
Q₁ (Minimum Flowrate) = .03 m ³ /h (30l/h)	± 5%
Q₃/Q₁ ratio = 50 minimum	

VI. Working Pressure : Not less than 150 psi

VII. Working Temperature : Not less than 50°C

VIII. Markings on Meter:

- a. Meter make and Brand.
- b. Meter Serial Number
- c. Flow Direction. Permanent inscribed or embossed on meter's main body casing.
- d. Meter's Nominal Size.
- e. MID (Measuring Instruments Directive) Markings.

IX. Meter Accessories:

- a. Tail Pieces (two for each meter) inlet/ outlet to ½"Ø Pipe.
- b. Meter gaskets (two for each meter).

X. Technical Brochure:

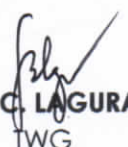
The supplier/ manufacturer shall provide a **Technical Brochure** during the bidding. This brochure shall include complete with technical information about the product. Shows complete **Material Data Sheets** and features of the product as well as other relevant information necessary for the bid evaluation. It shall also include a blow-up drawing of the meter's parts with labels for easy identification.

XI. Manufacturer shall provide TCWD during the bidding a written guarantee duly annotated and signed that spare parts for the meters shall be made available at a reasonable price for the period of at least five (5) years from date of purchase.

XII. TCWD shall inspect/ test any or all of the meters for compliance to this specification. The manufacturer/supplier shall replace any meter found to be defective or found non-conformity to this specification free of charge.

XIII. The meters shall also be covered by one (1) year warranty from date of acceptance.


ELOISA QUEEN Y. ZANORIA
TWG


BELEN C. LAGURA
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