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ROBBY MILLER
PARISH PRESIDENT

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN THAT SEALED BIDS WILL BE RECEIVED BY THE TANGIPAHOA PARISH GOVERNMENT UNTIL, MONDAY, , JULY 22, 2024, AT 10:00 A.M. IN THE TPC CHAMBERS, 206 E. MULBERRY STREET, AMITE, LOUISIANA ON THE FOLLOWING

:

WATER METERS

THEN AND THERE BIDS WILL BE OPENED AND READ ALOUD. BIDS RECEIVED AFTER THE SPECIFIED TIME AND DATE WILL NOT BE OPENED OR RECOGNIZED.

TANGIPAHOA PARISH GOVERNMENT OFFICIAL BID DOCUMENTS ARE AVAILABLE AT CENTRAL BIDDING. ELECTRONIC BIDS ARE ACCEPTED AT CENTRAL BIDDING. CENTRAL BIDDING CAN BE ACCESSED AT www.centralbidding.com.

THE TANGIPAHOA PARISH GOVERNMENT RESERVES THE RIGHT TO REJECT BIDS IN ACCORDANCE WITH THE LAW.

S/DONNA DOMIANO,
PURCHASING AGENT

DAILY STAR
PLEASE PUBLISH JUNE 27 2024 &
JULY 4, & 11, 2024

COUNCIL

DARRELL SINAGRA
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DISTRICT 6

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DISTRICT 2
LIONELL WELLS
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DISTRICT 4
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DISTRICT 9

H. G. "BUDDY" RIDGEL
DISTRICT 5
STRADER CIEUTAT
DISTRICT 10

TECHNICAL SPECIFICATIONS

Following are the equipment specifications for bidders choosing to respond to this bid request for the Purchase of a Radio-Based Automated Meter Reading System Meters for the Tangipahoa Parish Government. A Manufacturer's brochure and samples of equipment warranties must accompany each bid to verify that bid specifications are minimum allowable.

The use of a certain brand, make or manufacturer in the specifications is to denote the quality standard of the equipment desired, but does not restrict bidders to the specific brand, make or manufacturer named. It is to set forth and convey to prospective bidders the general style, type, character, and quality of the equipment desired, and equivalent products will be considered.

SPECIFICATIONS FOR FIVE-EIGHTHS (5/8) INCH AND ONE (1) INCH AND (2) INCH -MULTI-JET COLD WATER METERS

1. GENERAL

Except as otherwise modified or supplemented herein, the latest revision of AWWA Standard C-708 for Cold Water Meters - Multi-jet Type shall govern the materials, design, manufacture and testing of all meters furnished under this specification as approved by the Director or his appointed agent. AWWA Standard C708 is considered by Tangipahoa Parish Government to be minimum requirements and shall be supplemented herein to ensure the quality required by the utilities department.

Meters shall be manufactured by a company with a minimum of ten (10) years of experience in the manufacturing of water meters. All water meters and meter components shall be assembled and tested within the Continental United States of America. Manufacturer's corporate home office shall be in the United States. Bids will be considered only from those companies who are actively engaged in the manufacture of a complete line of water meters of various types, (i.e., multi-jet type, turbine, compound). Meters shall be bid without connections. Cold water meters 2" and smaller shall be magnetically driven, multi-jet, velocity type. The District reserves the right to request a sample meter to study prior to awarding a contract.

2. METER MAIN CASE

The main case shall be a solid case with removable bottom, cover ring or cover plate and will be manufactured to meet NSF 61 Annex G (AB1953) standards so constructed that the main case (including meter spuds) will withstand internal pressure and external stress to eliminate distortion, cracking and breaking, which will cause leakage, damage to other components, or interfere with the proper operation of the meter in general. Bronze bottom, if applicable or cover shall be attached to the main case with stainless steel or bronze bolts. All external bolts, nuts and washers shall be of bronze, stainless steel, or other non-corrosive metal. Main case connection for 5/8" x 3/4" and 1-inch meters shall be spuds having external water meter threads with dimension as indicated by AWWA Standards. The meter serial number shall be imprinted permanently on the main case as well as clearly on the register top lid and run consecutively per size, per order. The register housing and lid shall be made of bronze or a suitable synthetic polymer. The size, model number of the meter and direction of the flow through the meter shall be imprinted permanently on the outer case of all meters. All meter cases shall be machine finished, with no sharp edges.

3. METER REGISTERS

Meter Interface Units (MIUs) must be integrated and permanently sealed within the meter register using a stainless-steel register base, wrap around gasket and tempered glass lens. The unit must be battery operated using two 3.6volt Lithium Thionyl Chloride batteries for long operational life greater than 10 years. The MIU must transmit the meter reading and other information via a 450-470 MHz FCC Part 90 licensed frequency to a Mobile Data Collector Unit. The MIU must be capable of being configured to transmit priority alarms for leaks, reverse flow events, low battery, and magnetic tamper. The MIU must be capable of two-way communication for field programming of a user selected ID number or for resetting specific alarm codes. Unit must be able to be programmed remotely and programming must be accomplished without removing the MIU from a pit, basement, or wall application. The MIU must be capable of operating at temperatures of (-4 °F to +149°F) and operating humidity of 0 to 95% condensing. The MIU must incorporate a dual band antenna capable of providing consistent and reliable connections while the pit environment is flooded or dry. Range will not be affected substantially when the pit is partially flooded. Must have an integrated unit option where the power source, RF circuitry, meter register, and antenna are fully enclosed in a single IP-68 rated ruggedized enclosure. The MIU must have an integrated unit option where the power source, RF circuitry, and meter register are connected to an external antenna in an IP-68 rated ruggedized solution. The MIU must be compatible with use on multiple brands of water meters. These units must have programmable gear ratios and be available with LCD displays. LCDs must permanently display consumption status and alarms: Totalization, Rate of Flow, Unit of Measure, Billable Units, Low Battery Alarm, Direction of Flow. Each unit must be supplied with an appropriate register housing and adapter to retrofit the current make and model of 5/8" through 2" meters of the following meter manufacturers: Master Meter, Sensus SR11, AMCO/Elster C700, Hersey 400 / 500 Series, Neptune T-10, and Badger Recordall.

4. MEASURING CHAMBER

The measuring chamber shall be made of a suitable synthetic polymer material, which equals or exceeds AWWA Standards. It shall be secured in a position in the main case in such a manner that slight distortion of the main case will not affect sensitivity or registration of the meter. The measuring chamber shall be of the velocity type and designed as to allow the flow of water to pass through precision, converging orifices causing the impeller to rotate providing a synchronous relationship between the velocity of the water passing through the chamber and registration. The measuring chamber shall be constructed in such a manner as to facilitate easy removal from the main case. To ensure longevity of service, the performance of the measuring chamber shall be guaranteed to meet required meter standards of AWWA manual M-6 as follows:

New Meter Accuracy

5/8" x 3/4" 5 Years or 750,000 gallons
1" 5 Years or 750,000 gallons
2" 5 years or 2,100,000 gallons

Repaired Meter Accuracy

20 Years or 2,500,000 gallons
15 years or 3,250,000 gallons
15 years or 10,400,000 gallons

The measuring chamber shall be covered for this period by written warranty as required in these specifications.

5. MAGNETIC COUPLINGS

There shall be no stuffing box. The motion of the multivaned rotor shall be transmitted to the sealed register through the use of a direct magnetic coupling. Magnets shall be of ceramic or approved equal.

6. STRAINERS

All meters must be provided with a corrosion resistant strainer, which is easily removed from the meter.

7. CHANGE GEARS

Change gears are not acceptable. All registers of particular registration and meter size shall be identical and completely interchangeable.

8. ACCURACY AND HEAD LOSS TESTS

Meters shall conform to current AWWVA test flow, head loss and accuracy standards.

9. PRESSURE CAP ABILITY

Meters shall operate up to a working pressure of one hundred fifty (150) pounds per square inch and to a temperature of 120 degrees Fahrenheit, without leakage or damage to any parts. The accuracy shall not be affected when operating at this pressure to possible distortion.

10. WARRANTY REQUIREMENTS

The manufacturer's meter guarantee will be required with this bid and shall cover the following warranties: the entire meter shall be warranted to be free from defects in material and workmanship for a period of at least two years; and the meter main case shall retain structural integrity for a period not less than twenty-five (25) years. All meters provided under this contract shall meet or exceed AWWVA's C708 Standards for Accuracy as outlined above in Section 4-Measuring Chamber.

11. ACCEPTABLE METERS

In the interest of standardization, the following meter lines are acceptable for use by Tangipahoa Parish provided they fully comply with the above specifications and meet all requirements in the bid package:

- A. Master Meter BLMJ
- B. Approved Equal

All meters not listed above shall pre-qualify. If any person contemplating submitting a bid desires approval of substitute materials or equipment or is in doubt as to the meaning of any part of the specifications or other contract documents, he may submit to the Purchasing Agent a written request for prior approval or any interpretation no later than seven (7) days prior to the date for the receipt of bids. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents or approval of substitute materials or equipment will be made only by addendum duly issued and a copy mailed or delivered to each Bidder receiving a set of the

specifications. The OWNER will not be responsible for any other explanation or interpretation of the specifications or proposed documents.

Technical support personnel shall be based within one hour's travel time.

Vendor shall bid on the entire package. Bid will be awarded on an all or none basis.

ALL METERS MUST HAVE THE CAPABILITY TO BE READ BY THE EXISTING TANGIPAHOA WATER DISTRICT RADIO-BASED AUTOMATED READING SYSTEM BY FIXED OR DRIVE BY.

The following quantities are needed for each meter size:

| | Size | Quantity | Price |
|----|-------------------|-----------------|--------------|
| 1. | 5/8" X 3/4" Meter | 840 | _____ |
| 2. | 1" Meter | 6 | _____ |
| 3. | 2" Meter | 8 | _____ |

Make and/or Model: _____