

## Expression of Interest(EoI) Notification.

### HYDERABAD METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD.

O/oThe Chief General Manager(Engg),  
Revenue Circle, Khairatabad,  
Hyderabad-500004.

EoI.No:04/HMWSSB/Revenue/Smart Metering/2020-21/ Dt:01-02-2021.

#### **Preamble:**

In view of the 20KL free water supply per month scheme announced by the Govt of Telangana, various revenue improvement measures of the Board were explored wherein it was decided to take up fixing of **AMR- ultrasonic Meters with LoRaWAN technology** for all non-domestic and high consumption consumers, for 20mm and all above sizes, with a view of secure accurate consumption quantity and thereby increase revenues. Towards that end HMWSSBoard intends to call for Expression of Interest (EOI) from reputed Manufacturers/Authorised-Dealers who are willing submit their proposal for 20mm and all above sizes of Manufacture, supply, delivery, installation, activation and commissioning of Smart Meters – AMR Ultrasonic type meters with automatic meter reading using LoRaWAN for Non-domestic and High consumption consumers.

#### **Specification:**

Manufacture, supply, delivery, installation, activation and commissioning of Smart Meters – Ultrasonic type meters with automatic meter reading using LoRaWAN for 20mm dia and above sizes (the meters are confirming to ISO 4064: 2005 with latest amendments with BIS/OIML-R49 / CE / MID (Measuring Instruments Directive)-2014/32/EU certification mark with valid Life Cycle Test Certificate from FCRI (Fluid Control Research Institute) and protection class of IP 68) in HMWSSB jurisdiction for the automatic acquisition of data from meters, data maintenance and O&M of meters for 5 years.

#### **Scope of the Work:**

1. The meter manufacturing firms/agencies shall supply and install the meters of above specification for diameters ranging from 20mm to 1200mm, by engaging suitable required number of man power to fix on to the connections; the total work to be completed within 6 months.
2. The manufactures/Agencies shall provide the required hardware and software for reading of data remotely from the meters and shall be integrated to be RBS database, application of HMWSSB.
3. The meters, including the related hardware and software shall be maintained for a period of 5 years and be kept in working condition.

4. The manufactures /Agencies have to fix the meters:

- i) By replacing the existing non-functioning meters.
- ii) By replacing the existing mechanical meters.
- iii) On connections having no meters.

5. The manufactures or authorized dealers are to submit their proposals for Manufacturing, supply, deliver & installation including maintenance for a period of 5 years of meters compatible to remote reading through **AMR Ultrasonic meters with LoRaWAN technology** only in the following format:-

| Sl.No | Size / Dia of meter | Meter Cost ( including LoRa Module cost | Installation / Fixing Cost | O & M cost for 5 years | Data Communication costs for 5 years |
|-------|---------------------|-----------------------------------------|----------------------------|------------------------|--------------------------------------|
| 1     | 20 mm               |                                         |                            |                        |                                      |
| 2     | 25 mm               |                                         |                            |                        |                                      |
| 3     | 40mm                |                                         |                            |                        |                                      |
| 4     | 50mm                |                                         |                            |                        |                                      |
| 5     | 63/65mm             |                                         |                            |                        |                                      |
| 6     | 75 mm               |                                         |                            |                        |                                      |
| 7     | 80 mm               |                                         |                            |                        |                                      |
| 8     | 100 mm              |                                         |                            |                        |                                      |
| 9     | 150 mm              |                                         |                            |                        |                                      |
| 10    | 200 mm              |                                         |                            |                        |                                      |
| 11    | 250 mm              |                                         |                            |                        |                                      |
| 12    | 300 mm              |                                         |                            |                        |                                      |
| 13    | 350 mm              |                                         |                            |                        |                                      |
| 14    | 400 mm              |                                         |                            |                        |                                      |
| 15    | 450 mm              |                                         |                            |                        |                                      |
| 16    | 500 mm              |                                         |                            |                        |                                      |
| 17    | 600 mm              |                                         |                            |                        |                                      |
| 18    | 700 mm              |                                         |                            |                        |                                      |
| 19    | 800 mm              |                                         |                            |                        |                                      |
| 20    | 900 mm              |                                         |                            |                        |                                      |
| 21    | 1000 mm             |                                         |                            |                        |                                      |
| 22    | 1200 mm             |                                         |                            |                        |                                      |

6. Along with the proposals the firms shall also submit the following:-
- I. Registration certificate.
  - I. Memorandum of Understanding from the Manufacturer (applicable for agencies that are not the manufacturers) (or) authorized dealership letter.
  - II. Manufacturing Factory registration certificate.
  - III. FCRI Certificate & IP - 68 environment protection Certificate for 20mm and 25mm ultrasonic meters.
  - IV. Copy of GST Registration certificate.
  - V. Undertaking that the firm is not black listed by any State/Central Govt. /Board or public sector undertaking at the time of submission of EOI.

The firms shall submit their proposals for Expression of interest through online (email) [cgm-rev@hyderabadwater.gov.in](mailto:cgm-rev@hyderabadwater.gov.in) (or) submit all relevant documents along with proposals in sealed covers to the Chief General Manager(Engg), Revenue Circle, HMWSSB, Administrative Building, rear block, Khairatabad, Hyderabad-4, during office hours on or before the due date, **3.00 PM on 05.02.2021.**

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**Chief General Manager(Engg),**  
Revenue Circle, Khairatabad,  
Hyderabad-4.