

HYDERABAD METROPOLITAN WATER SUPPLY & SEWERAGE BOARD

O/o.Chief General Manager(Engg),
Revenue Circle, Khairtabad, Hyderabad-500004.

EOI No:66/CGM/Rev.Circle/AMR Meters/EOI for rates/2025-26 Dated:24.06.2025

Expression of Interest(EOI)- Website Notification

HMWSSB hereby invites for Expression of Interest (EOI) for obtaining Sealed Quotations from the Reputed Agencies/Manufacturers having experience in like manner and field in Government/Semi Government Sectors for Rendering of metering services for a period of 5(Five) years, for meters to be installed by the agency along with necessary accoutrements to the meters such as U-Bend, couplings, for sizes 25mm dia and above, meters to be located at sundry consumer premises in jurisdiction of HMWSSB, meters of Ultrasonic technology (transit time only) type with GSM communication module (with protocols - MQTT/WebSocket/SMS/HTTP only), the meters to conform to ISO 4064: 2014 standards with its latest amendments, with valid Life Cycle Test Certificate from FCRI (Fluid Control Research Institute) and protection class of IP 68, for the services of accurate measurement of quantity supplied, recording & communication of meter readings, and other metrics relevant to the meter such as battery strength, reverse-flow readings and negative totalizer, tamper alarm etc over the desired communication channel through AMR water meters, once in a day basis or as specifically required by the Board – using water meters that are compliant with specification enunciated by the Board and includes all the tasks involved thereof and incidental thereto such as installations, un-installation, upkeep, maintenance, inspections, meter-testing & calibration as directed by the Board officials – and/or other alternative contrivances of like nature for rendering similar functionality using Advanced Metering Interface (AMI) technology in place of AMR - for 25mm dia and above sizes- Solicitation of rates for estimation purposes.

The interested reputed Agencies/Manufacturers shall submit their Sealed Quotations on or before **14-07-2025 before 5.00 PM** in the O/o.Chief General Manager (Engg), Revenue Circle, Khairtabad Hyderabad duly enclosing the Credentials, viz.,

1) Eligibility criteria:

1. Registration certificate.
2. Memorandum of Understanding (MoU)/ Manufacturer Authorization Form (MAF) from the Manufacturer (applicable for agencies that are not the manufacturers) (or) authorized dealership letter.
3. Manufacturer Factory registration certificate.
4. Certificate from any of the following agencies: FCRI/ANSI/MID & IP-68 environment protection certificate for ultrasonic + GSM Technology meters.
5. Copy of GST Registration certificate.
6. Undertaking form that his firm is not black listed by any State/Central Govt. / Board or public sector undertaking at the time of submission of EOI etc. complete.
7. The agency shall have fixed at least 300 meters of specification mentioned above to connections located either within the Board jurisdiction or installed privately or in an organization of similar nature and have maintained for a period of 5 years. The meters shall quantify the flows/consumption and communicate the readings to the Board servers at least once in a day or as notified by the Board. The Board shall specify the manner and location of the recipient server.
8. **A.** The agency shall maintain a service centre cum test-bench facility within the precincts of the Board jurisdiction which shall be equipped with necessary skilled/semi-skilled personnel of plumbing, technicians etc, tools & machinery requisite for calibration, testing and repairing the meters, at the agencies expense. The ratio of personnel for plumbing, technician shall be 1 plumber and 1 technician for every 500 (Five Hundred) meters allocated through the tender.

(OR)

B. Alternatively, the agency shall procure and maintain 5% to 10% of all sizes, of the number of meters assigned in the agreement, as buffer stock, and sustain such buffer stock to the prescribed percentage, during the subsistence of the contract tenure, for facilitating immediate replacement of faulty meters or reported as faulty.

Undertaking shall be submitted by the agency to the effect that they would adhere to the either 8.A or 8.B.

9. Manufacturers ISO 9001 certificate and product should conform to ISO 4064.
10. Upon submission of the offer, as a proof of concept the agency shall install and communicate the reading from the meters to the HMWSSB server through GSM technology along with necessary integration (if any) required at least for a period of 60 days at the location identified by the Board for 5 Nos. Based on which meter performance will be evaluate on technical ground for approval of the product.

2) Payment Schedule (Breakup)

No	Item	Percentage	Remarks
1.	Supply, installation, and commissioning of meters, after successful communication of readings for the first month	25%	Bills payable for the services during maintenance will be computed for the number of days the correct readings are received at the Board server at the daily rate prorated for the number of days the correct readings are communicated to the Board servers in time.
2.	Maintenance for 1st year	8%	
3.	Maintenance for 2nd year	10%	
4.	Maintenance for 3rd year	12%	
5.	Maintenance for 4th year	20%	
6.	Maintenance for 5th year	25%	

- Bills will be payable on monthly basis.
- Meter readings are to be communicated daily and on time to the Board servers. However, if a minimum of 20 correct readings are communicated in a month (on different days) per meter, the full monthly amount shall be payable for that month for that meter.
- If less than 20 correct readings are communicated in a month (on different days) per meter, bills for that month shall be computed on a pro-rata basis corresponding to the number of days the correct readings are communicated to the Board servers in time.
- If no valid readings are received during the month for a meter, a penalty of 20% of the full monthly amount shall be levied in addition to non-payment for that month for that meter.
- The agency shall be fully responsible for the proper functioning of the meters, including batteries, communication channels, end-to-end data transmission from the meters to the Board servers, and all associated services such as mobile service provider support, data charges, and related incidentals, for the entire duration of the maintenance period. Any kind of issues such as battery failure, meter malfunction, or sensor defects etc must be rectified within 15 days of occurrence; failing which, a penalty of 25% of the total meter cost (including the maintenance) shall be levied for the meter.

3) Proforma details:

The agency shall indicate the rate for one unit of meter (Table-A enclosed) instance of specified size for rendering the metering services payable for 5 years agreement tenure, by affixing and maintaining meters to consumer connection. The rates quoted shall be prorated to day-wise tranches as detailed below. Payment shall be made for the receipt of correct data at server.

Table -A (Two separate quotations for meters with AMR functionality and for meter with AMI functionality to be quoted)

S.No	Meter Size (in mm dia)	Rate quoted for Meter cost (including meter fixing, paraphernalia incidental thereto)	Rate quoted for 5 years of O&M	Total cost quoted for one meter
Col(1)	Col(2)	Col(3)	Col(4)	Col(5)
1	25			
2	40			
3	50			
4	75			
5	100			
6	150			
7	200			
8	250			
9	300			
10	350			
11	400			
12	450			
13	500			
14	600			

- i. The liability for ensuring that the meter is functioning in respect to recording of meter reading & that the correct meter reading is transmitted to the Board servers lies with the AMR meter fixing agency; the agency shall liaise and co-ordinate with the Board, consumer and any other agencies involved in the transmission of data for achieving the outcome of data transmission.
- ii. The AMR meter fixing agency shall establish and maintain a testing, servicing and calibration facility during the extant of the agreement or the life of any meter installed by the agency whichever is later. The agencies shall also undertake testing & calibration activity against specific instructions of the Board officers if any meter is found defective, readings specious/aberrant.
- iii. The meters at the end of the agreement tenure of 5 years shall be in working condition and shall be the property of the Board.

4) Following is the summary of SWC files from which the meters costs have been collected by the Board and the Board is duty-bound to fix meters to the said connections:

SWC files where AMR meter charges have already been collected, but AMR not fixed From 01-11-2019 to 28-05-2025 in HMWSSB jurisdiction.												
Pipe Size (in mm)	25	40	50	75	100	150	200	250	300	350	Total	
Number of sanctions	4747	596	438	131	186	121	56	12	10	1	6298	

Stock Provisions for future connections for a period of one year:

Average no of connections with pipe size 25mm & above, released in an year in HMWSSB jurisdiction (as sanctioned within the last two years).										
Pipe Size (in mm)	25	40	50	75	100	150	200	250	300	Total
Average no of connections released in an year	1162	120	100	30	36	28	12	1	2	1491
20% of quantity as buffer stock	232	24	20	6	7	6	3	1	1	300
Total	1394	144	120	36	43	34	15	2	3	1791

5) Material of meter construction:

- a) The body of the meter shall be of either Brass/Bronze/Engineering plastic; all internal components and external surfaces that come into contact with the supply water shall be made of non-corrosive and non-toxic materials, shall not support microbial growth, and shall not give rise to unpleasant taste or discoloration in the water supply. The firm shall specifically mention in the offer, the metal used in manufacturing. Material that come in contact with the water supply shall withstand 2 ppm (parts per million) of chlorine residual in the water supply and shall be resistant to corrosion, supported with test certificate. However, the spindle and bearings inside the hydraulic chamber shall be made of polished stainless steel with hard metal tip/ sapphire.
- b) The water meter and accessories shall be manufactured from materials of adequate strength and durability. The materials, which come in contact with the potable water, shall not create a toxic hazard, shall not support microbial growth, and shall not give rise to unpleasant taste or discoloration in the water supply. The materials used should be safe for human uses and not affect human health.
- c) Each meter should be supplied in separate individual box with its accessories and test certificates and guarantee card indicating year of manufacture, unique ID by manufacture, date of approval of FCRI with validity of the same.
- d) Supply shall be made strictly as per the sample meters as approved by the Board.

The agency is required to quote the rates for each of the size it intends to offer for both AMR and AMI functionality meters separately; the rates quoted shall be exclusive of GST ie GST payable by the Board. The rates quoted shall be for one unit albeit the Board would be requiring substantial numbers and the progress would much depend on the fiscal viability and meters performance in the long run.

The HMWSSB reserves the right to reject any or all of the Expression of Interests received without assigning any reason thereof and the firm shall have no cause of action or claim against the HMWSSB or its Officers, Employees, Successors or Assignee for rejection of Offer.

Sd/-

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