

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:03/HMWSSB/Revenue/MeteringAgencies/Empanellment/2020-21/ Dt:12-01-2021.

Preamble:

In view of the 20KL free water supply per month scheme announced by the Govt of Telangana, to be availed by all the domestic consumers who affix a working meter to their supply connections to assess the supply quantity, the HMWSS Board intends to call for Expression of Interest (EOI) from reputed agencies(Manufacturers/Authorised-suppliers/Dealers) who are willing to supply and fix water meters of various sizes to the consumer connections in all the O&M Divisions of the Board, as per the specifications(as mentioned below), rates & conditions approved by the Board. The particulars of the empanelled agencies shall be duly intimated to the consumers through the Board website and the consumers can affix meters of relevant size to their connections through the empanelled agencies. The cost of the meter, installation, fixing & maintenance shall be borne by the consumers; the agency shall produce the invoice to the consumer with head-wise break-up.

Name of the Work:

Empanelment of Reputed Agencies((Manufacturer/Authorized Dealer/ Contractor) to Supply, installation and fixing of the domestic type water meters from 15mm and 20mm sizes shall be, magnetically coupled, multijet, inferential type dry dial Class-B water meters (Screwed end) AMR compatible manufactured in accordance with ISO:4064 standards and its latest amendments/IS 779/1994 and its latest amendments and shall have ISI/EEC/MID pattern approval (valid life cycle certificate and IP 68 protection from FCRI, GOI) of all O&M Divisions under HMWSSB Jurisdiction to implement the 20KL Free Water Supply Scheme

Scope of Work:

1)The agency (Manufacturers/Authorised-suppliers/Dealers) shall supply, install & fix water meters of specification approved by the Board(Specification shown below) to the consumer connections as and when requested by the consumer, the costs of which to be collected from the consumer.

2) The agency (Manufacturers/Authorised-suppliers/Dealers) shall ensure that the meter is in working condition and that the readings are legible. The meters supplied shall be capable of accurate quantification of water supplied through the connection; a calibration certificate to be supplied with each meter fixed at the time of installation.

3. Supply, installation and fixing of the domestic type water meters from 15mm and 20mm sizes shall be, magnetically coupled, multijet, inferential type dry dial Class-B water meters (Screwed end) AMR compatible manufactured in accordance with ISO:4064 standards and its latest amendments/IS 779/1994 and its latest amendments and shall have ISI/EEC/MID pattern approval (valid life cycle certificate and IP 68 protection from FCRI, GOI) to water-supply connections of HMWSSB consumers across all O&M divisions.

a) The cost of 15mm and 20mm dia as per SSR 20-21 is as follows

i) 15mm dia Rs.1100/-

ii) 20mm dia Rs.1650/-

iii) The installation and fixing cost for each meter Rs.200/-

- iv) All above costs are excluding all taxes with 3 years warranty
- b) The maintenance cost for 1 year is 5% of the meter cost and fixing cost.
4. Meters manufacturing unit located in India will be preferred in view of the spare part availability.
5. Random testing on meter tolerance error to be conducted @ 15-25% on every two years period so as to ascertain the meter performance.
6. AMR capability is need for future conversion.
7. The empanelled firm shall establish consumer meter repair centre and testing for each division. As far as possible HMWSSB will provide space for setting up consumer meter repair and testing centres at respective divisions on rental basis.

Eligibility Criteria:

- A) In order to get short listed the agencies shall fulfil the following eligibility criteria:-
- I. Registration certificate (firm registration /contractor registration).
 - II. Company Profile/Memorandum of articles/ Partnership Deed
 - III. Copy of documents showing NEFT towards non refundable EOI processing Rs.11,800/- in designated account of HMWSSB(Acc.No.30151010000327, SYNDICATE BANK, Khairatabad branch, IFSC Code:SYBN0003015 (or) Demand Draft in favour of the "HMWS&SB) payable at Hyderabad of Rs.11800/-(Rs.10,000/- for EOI Processing fee and Rs.1800/- for GST).
 - IV. Memorandum of Understanding from the Manufacturer (applicable for agencies that are not the manufacturers) and the Manufacturing Factory registration certificate.
 - V. The agency should have similar experience in any one year in the past ten years. If the agency is not a manufacturer it shall produce memorandum of understanding from manufacturers who have experience in manufacture and supply of above specified water meters.
 - VI. Copy of GST Registration certificate.
 - VII. Name and Address of the Authorized dealers/ Person in Hyderabad along with all communication details.
 - VIII. Name of the make & Model of the water meter, specification of the water meters along with other technical details etc.
 - IX. The agency shall furnish the IP-68 environment protection Certificate issued by FCRI). Accuracy class of the water meter along with sizes, for which the manufacturer seek the approval.ISI/ EEC / MID / OIML pattern approval certificates along with validity extension copies, if the EEC approval certificates are in foreign language other than English, translated version of the same in English to be submitted by the applicant.
 - X. Agencies willing to undertake maintenance/repair of meters will be considered.
 - XI. Undertaking that his firm is not black listed by any State/Central Govt. /Board or public sector undertaking at the time of submission of EOI.

- B) The short listed agencies will be allotted not more than 3(three) O & M divisions of HMWSSB, for sales and services. The agency shall be responsible for supply, installation and maintenance of meters in the consumer premises in the respective division. HMWSSB retains the discretion to allot or cancel allotment of any division to any agency, any time depending on the performance of the agencies.
- C) Water meter shall have warranty/ Guaranty period i.e. minimum of 3 (three) years period.

The last date for submission of Expression of interest 3.00 PM on 20.01.2021, EOI received after the dead line will not be considered

The agencies willing to be empanelled as per the Board approvals shall submit all relevant documents 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.

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

Expression of Interest (Eoi) document



Hyderabad Metropolitan Water Supply & Sewerage Board

EOI No.03/CGM(E)/Revenue Circle/ Empanelment of Metering Agencies /2020-21,
Dtd: 12 .01.2020

Name of the Work: Expression of interest (EOI) for Empanelment of Reputed agencies(Manufacturer/Authorized Dealer/ Contractor) to Supply, installation and fixing of 15mm dia and 20mm dia water meters for the domestic consumers of all O&M Divisions under HMWSSB Jurisdiction to implement the 20KL Free Water Supply Scheme

Issued by

O/o Chief General Manager(Engg.)
Revenue Circle, HMWS&SB
Administrative Building, Rear Block
Khairatabad, Hyderabad – 4, Telangana State
www.hyderabadwater.gov.in,

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I. Introduction to Hyderabad Metro Water Supply & Sewerage Board (HMWSSB)

Hyderabad Metro Water Supply & Sewerage Board (HMWSSB) was constituted on 1.11.1989 under the provisions of Hyderabad Metropolitan Water Supply and Sewerage Act 1989 (Act No. 15 of 1989), with the following Functions & Responsibilities in the Hyderabad Metropolitan Area.

- The Supply of potable water including planning, design, construction, maintenance, operation & management of water supply system.
- Sewerage, Sewerage Disposal and sewerage treatment works including planning, design, construction, maintenance, operation & management of all sewerage and sewerage treatment works.

HMWSSB is monitoring water supply in the entire GHMC area including 10 peripheral municipalities and sewerage operations in the core city. The water quality is being carried out in collaboration with other agencies like institute of Preventive Medicine and institute of Health systems, etc. Board's Wings like QAT Wing and O&M staff of all maintenance divisions are put on continuous alert mode for redressal of complaints such as pollution, leakages, sewerage overflow etc.

HMWSSB Vision: To cater the needs of the people of the area covered by GHMC in supply of safe drinking water and maintaining the sanitation with the vision of good health and disease free services.

HMWSSB Mission:

- a. To manage the water resources available for catering to the needs and requirements, maintaining to achieve the standards as stipulated by WHO.
- b. To serve effectively and striving for the utmost satisfaction of the consumer, Involving stakeholders for sustainable development.
- c. To regulate and manage water resources use effectively involving stakeholders for sustainable development

HMWSSB Functions:

- a. Supply of potable water including planning, design, construction, maintenance, operation & management of water supply system in GHMC area.

- b. Sewerage, Sewerage Disposal and sewerage treatment works including planning, design, construction, maintenance, operation & management of I sewerage system in core city area of GHMC and sewerage treatment works.
- c. Maintaining and safeguarding the water resources, Assets of the HMWSSB and its proper utilization towards serving the consumers.

II. Background

Hyderabad Metropolitan Water Supply & Sewerage Board (HMWSSB) is a public utility organization vested with the responsibility of supply of Potable water and sewerage, sewerage disposal system including, planning, design, construction, maintenance, operation and management of water supply and sewerage system in the Hyderabad Metropolitan Area.

The service area of HMWSSB is extended up to ORR vide Govt. of Telangana G.O.RT.No 274 Panchayat Raj & Rural Development (RWS-IV) Dept Dt 30.04.2016 public through piped water supply and tanker water supply inside the ORR limits.

HMWSSB is providing water supply to around 1 Cr population living up to ORR limits. The jurisdiction of HMWSSB is around 1,400 Sq.Kms. Board is supplying 448 MGD of portable water through pumping from sources such as Krishna river under Phase – I, II, III (120 kms), Godavari river under Phase – I (186 kms) and Singur (60 kms) to cater 9.5 lakhs consumers.

The total demand at present is around Rs.110 Crs per month where as the average revenue being collected is around Rs.94 Crs per month.

Apart from the piped supply HMWS&SB has been supplementing water through tankers engaging them as per the requirement & demand of the public under Dial-a-tanker scheme under Payment trip category & free trip category to serve in ill served and un served areas under various O&M Divisions.

1. Scope of Work:

- 1.1 The agency (Manufacturers/Authorised-suppliers/Dealers) shall supply, install & fix water meters of specification approved by the Board(Specification shown below) to the consumer connections as and when requested by the consumer, the costs of which to be collected from the consumer.
- 1.2 The agency (Manufacturers/Authorised-suppliers/Dealers) shall ensure that the meter is in working condition and that the readings are legible. The meters supplied shall be capable of accurate quantification of water supplied through the connection; a calibration certificate to be supplied with each meter fixed at the time of installation.
- 1.3 Supply, installation and fixing of the domestic type water meters from 15mm and 20mm sizes shall be, magnetically coupled, multijet, inferential type dry dial Class-B water meters (Screwed end) AMR compatible manufactured in accordance with ISO:4064 standards and its latest amendments/IS 779/1994 and its latest amendments and shall have ISI/EEC/MID pattern approval (valid life cycle certificate and IP 68 protection from FCRI, GOI) to water-supply connections of HMWSSB consumers across all O&M divisions.
 - a) The cost of 15mm and 20mm dia as per SSR 20-21, Govt of Telangana is as follows
 - i) 15mm dia Rs.1100/-
 - ii) 20mm dia Rs.1650/-
 - iii) The installation and fixing cost for each meter Rs.200/-
 - iv) All above costs are excluding all taxes with 3 years warranty
 - b) The Maintenance cost for 1 year is 5% of the meter cost + fixing cost
- 1.4. Meters manufacturing unit located in india will be preferred in view of the spare part availability.
- 1.5. AMR capability is need for future conversion.
- 1.6. The empanelled firm shall establish consumer meter repair centre and testing for each division. As far as possible HMWSSB will provide space for setting up consumer meter repair and testing centres at respective divisions on rental basis.

2. WATER METER ELIGIBILITY & SELECTION CRITERIA:-

The water meter manufacturer shall submit details of meter/ model offered i.e. size, construction material etc., and one sample of each model of water meters for short listing them for further detailed examination / testing.

2.1 WATER METER

- 2.1.1 The water meter shall be, inferential type, multi jet, magnetically coupled, having dry dial, Class 'B' conforming to IS-779 with up to date amendments or ISO 4064:2005 standards with ISI/EEC/OIIML/MID certification mark shall be

with protection class of IP-68.

- 2.1.2 Water meter should have been duly tested and passed as per the relevant standards and specifications from Fluid Control Research Institute (FCRI) Kerala or any other approved lab for performance test supported with test certificate.

2.2 Material of construction:

- a) The manufacturer shall provide specific details of materials used for various parts of the meter which must meet the specifications for the material of construction of the individual parts of the meters as per IS 779 (with latest amendments) or ISO 4064: 2005 with latest amendments.
- b) The body of the meter shall be of either Brass or Bronze. 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.
- c) 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. However, the spindle and bearings inside the hydraulic chamber shall be made of polished stainless steel with hard metal tip/ sapphire.
- d) The internal pressure cup shall be made of low-ferrous brass not exceeding 0.02% Fe contents / Engineering plastic or any other suitable material to comply with the IS provisions and IP 68 protection class. The case of the meter shall be painted with thermal painting externally & internally. The internal painting materials should be of food grade material / safe for human uses and not affect human health (Health certificates should be included in the bidding documents).
- e) Variation in weight of the meter will be permissible to $\pm 5\%$ of the weight indicated by the bidder in his technical bid.

- f) 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 HMWSSB with validity of the same.
- g) Supply shall be made strictly as per the sample meters including the weight as approved by the Board.
- h) Markings On The Body Of The Meter:-**

(a) Marking on dial/ cap.

- i) Class “B”
- ii) Multijet/ Model
- iii) Magnetic Type
- iv) As per IS: 779 with up to date amendments OR ISO: 4064- with up to date amendments
- v) ISI OR EEC or OIML Code No.
- vi) IP-68 compliance
- vii) Make/Brand
- viii) Unique ID. / Year of Manufacture.
- ix) Date of approval of HMWSSB with validity of the same.

(b) Embossing/ engraved on meter body.

- i. 15 mm
- ii. Direction of flow of water on both sides of the body of meter.
- iii. 20 mm
- iv. Direction of flow of water on both sides of the body of meter.

2.3 The Totalizer and Totalizer Shield:-

The totalizer shall be designed in such a way that if the totalizer protective cover is broken for a reason or another the totalizer cannot be removed from its place. Manufacturer may use desired material for their particular model which satisfy the IS provisions and IP 68 protection class and guarantee period of 3 years.

2.4 Totalizer :-

- i) It shall be of straight reading type
- ii) The totalizer shall register in cubic meter units
- iii) The totalizer reading should be able to read upto a least count of 1 ltr.
- iv) The totalizer shall consist of a row of minimum five on-line consecutive Digits to read at least 99,999 m3.
- v) Another three digits or pointers shall register flows in litres and be of a different colour.
- vi) The totalizer should be of closed type.
- vii) The totalizer must be suitable for test on an electronic or mechanical test bench.
- viii) Totalizer shall be made of copper CAN having appropriate thick mineral glass cover or any other suitable material required to maintain IP 68 protection class and guarantee of 3 years.
- ix) Meter will be provided with monolithic seal with copper or SS wire.

3. Lab Testing: The lab testing shall include following tests as IS-779 standards. The same will be conducted at FCRI, Palghat.

- i) Accuracy, Lifecycle & Endurance testing of water meters.
- ii) IP 68 testing of water meter.
- iii) Any other test required/ specified by IS.

3.1 Approval and validity –

- i. After submission of passing report from FCRI, the brand and model will be approved for use in HMWSSB with terms and conditions attached initially for a period of 1 Year. After expiry of validity period the manufacturers will have to submit model approval (MAP) from FCRI for each model to be approved for HMWSSB, if fresh EOI is not called.
- ii. Each empanelled agency has to submit the sample of one number of meter for each size 15mm and 20mm dia for display in O/o the Chief General Manager(E), Revenue Circle for display.

NOTE:

- i) HMWSSB reserves the rights to get the meters tested any time & withdraw the approval accorded.
- ii) The approvals accepted for such additional makes / brand / manufacturer, does not guarantee any business to any water meter manufacturer / firm / institution, by the HMWSSB.
- iii) The approval accorded will be treated as additional facility for the selection of such make / brand / manufacturer, model for the appointed contractors or public for supply and installation of such water meter for future.
- iv) The short listed agencies will be allotted not more than 3(three) O & M divisions of HMWSSB, for sales and services. The agency shall be responsible for supply, installation and maintenance of meters in the consumer premises in the respective division. HMWSSB retains the discretion to allot or cancel allotment of any division to any agency, any time depending on the performance of the agencies.
- v) Water meter shall have warranty/ Guaranty period i.e. minimum of 3 (three) years period.
- vi) The processing fee above is non refundable and non transferable.

4. DOCUMENTS TO BE SUBMITTED :

In order to get short listed the agencies shall fulfil the following eligibility criteria:-

- a) Registration certificate (firm registration /contractor registration).
- b) Company Profile/Memorandum of articles/ Partnership Deed
- c) Copy of documents showing NEFT towards non refundable EOI processing RS.11,800/- in designated account of HMWSSB(Acc.No.30151010000327, SYNDICATE BANK, Khairatabad branch, IFSC Code:SYBN0003015 (or) Demand Draft in favour of the "HMWS&SB) payable at Hyderabad of Rs.11800/- (Rs.10,000/- for EOI Processing fee and Rs.1800/- for GST).
- d) Memorandum of Understanding from the Manufacturer (applicable for agencies that are not the manufacturers) and the Manufacturing Factory registration certificate.
- e) The agency should have similar experience in any one year in the past ten years. If the agency is not a manufacturer it shall produce memorandum of understanding from manufacturers who have experience in manufacture and supply of above specified water meters.

- f) Copy of GST Registration certificate.
- g) Name and Address of the Authorized dealers/ Person in Hyderabad along with all communication details.
- h) Name of the make & Model of the water meter, specification of the water meters along with other technical details etc.
- i) The agency shall furnish the IP-68 environment protection Certificate issued by FCRI). Accuracy class of the water meter along with sizes, for which the manufacturer seek the approval.ISI/ EEC / MID / OIML pattern approval certificates along with validity extension copies, if the EEC approval certificates are in foreign language other than English, translated version of the same in English to be submitted by the applicant.
- j) Agencies willing to undertake maintenance/repair of meters will be considered.
- k) Undertaking that his firm is not black listed by any State/Central Govt. /Board or public sector undertaking at the time of submission of EOI.

5. 5.TERMS & CONDITIONS OF EMPANELMENT

Besides qualifying by submitting all relevant documents to comply with following conditions before empanelment:-

- 1 All meters will be given guarantee for a minimum period of 3 years from the date of selling. Each Guarantee card will indicate address/ CAN of consumer & unique ID of the meter issued to the purchaser/consumer who will submit a copy of the same to the General Manager(Engg), Single Window Cell HMWSSB after supply fixing and installation at consumer premises for future reference.
- 2 The agency will provide list of its authorized dealers/ retailers and provide authorization letter to HMWSSB.
3. Agency will provide a toll free no. for consumers, where consumer may register their complaints. Manufacturer will also facilitate consumers testing of water meters at designated workshop at their premises setup by it or in collaboration with other manufacturers/existing labs, within one month of empanelment in HMWSSB. In case meter is found defective and meter repaired/replaced at free of cost.
4. Manufacturer will enter into agreement with HMWSSB to sell the meters directly or through dealers with in SSR 2020-21 rates with 3 years guarantee. Any violation

shall be dealt seriously which will include de-panelling from registration.

5. one sample of each model offered for empanelment is to be submitted at the time of agreement for display .

6. The empanelled agencies will be asked to submit Demand Draft/ Bank guarantee money of Rs. 50,000/- valid for a period of 1 year. In case of complaints of consumers are not satisfactorily resolved, HMWSSB reserves the right to liquidate BG and attend the same at the risk and cost of agency and delisting of the manufacturer.

7. HMWSSB reserves the rights to take the samples from the manufacturing unit/dealer/retailer /installed at site and get the meters tested any time during empanelled period.

6.EOI Submission Guidelines

The agencies willing to be empanelled as per the Board approvals shall submit all relevant documents 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 20.01.2021@ 3:00 PM

-Sd -
Chief General Manager (E),
Revenue Circle,HMWSSB