



HYDERABAD METROPOLITAN WATER SUPPLY & SEWERAGE BOARD
O/o.Chief General Manager (Engg),
Revenue Circle,
Khairatabad, Hyderabad-500004.

EOI No: 1 /CGM(E)/R.C/UFW-Dn.2/2014-15, Dated:04 .03 .2015.
NOTIFICATION FOR “EXPRESSION OF INTEREST”

HMWSSB desires for “E.O.I” for reputed Manufacturers / Firms etc; for “Manufacture, supply, fixing & five years comprehensive maintenance including earth work excavation, cost of fittings & its jointing material and construction of meter chamber etc; as per site conditions for finished items of work also integration of meter readings data in to HMWSSB’s SCADA / AMR Server on par with the existing HMWSSB data base system with billing & collection in the jurisdiction of O&M Division No.II under UFW Division”.

The interested firms shall submit their Willingness on or before 23.03.2015 at 05.00P.M in O/o.Chief General Manager (Engg), Revenue Circle, Khairatabad, Hyderabad duly enclosing their relevant copies of certificates Viz., Registration, ISO: 4064 class ‘B’ standards or IS 779:1984 etc; and shall have performance test certificate issued by FCRI,GOI, Palakkad, Kerala and firm profiles etc. complete. *Further details can be obtained from www.hyderabadwater.gov.in / O/o.Chief General Manager (Engg), Revenue Circle, Khairatabad, Hyderabad during office hours.*

Sd/-

Chief General Manager Engg),
HMWSSB, Revenue Circle,
Khairatabad, Hyderabad-500004.
Contact number:9989998110.



HYDERABAD METROPOLITAN WATER SUPPLY & SEWERAGE BOARD

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

EOI No: 1 /CGM(E)/RC/UFW-DMA /2014-15/ /Date:04.03.2015.

Expression of Interest

HMWSSB intends to call for Expression of Interest (EOI) from reputed Manufacturers / firms etc; for “Billing, Collection, Manufacture, Supply, fixing and five years comprehensive maintenance of DMA meters & Domestic meters including earth work excavation, cost of fittings & its jointing material and construction of meter chamber with locking arrangement etc; as per site conditions for finished items of work and integration of meter readings data in to HMWSSB’s SCADA / AMR Server on par with HMWSSB’s revenue data base system in the jurisdiction of HMWSSB, O&M Division Nos. II & VI under UFW division, Revenue Circle”.

Instructions to prospective bidders

Main objectives:

- To accurately account for the water in billing.
- Transmission & Distribution (T&D) loss reduction and Demand Side Management (DSM) thereby increasing the efficiency.
- Any discrepancy in the meter to be rectified immediately and necessary corrective action to be taken immediately to avoid any loss in revenue.
- Single source responsibility for the entire area in a particular Division.
- Improve Revenue collection.
- Save precious water by controlling Unaccounted for Water (UFW). The present UFW level under O&M Division No.II is about 75% and O&M Division No.VI is about 41%. Hence, the prospective bidder shall come forward with their methodology & technology towards the maximum extent to which they can go to reduce UFW.
- The prospective bidder shall also to present techniques for improvement of revenue collection under Billing & Collection part.

- Water supplied to be properly accounted.
- Operation and maintenance of the water metering system with optimum cost and maximum reliability.
- The prospective bidder shall submit their time required for conducting field survey towards: (i) Installing new domestic water meters in place non-working meters as per HMWSSBoard 'Act & (ii) to conduct feasibility study to install DMA meters along with submission of "RFP" document (ie bid submission).

1.0 Introduction:

The Hyderabad Metropolitan Water Supply and Sewerage Board (HMWSSB) is responsible for providing Water and Sewerage services to the Greater Hyderabad Area and also provides Bulk water supply to the Cantonment Board, Osmania University, MES, Railways, Industrial units etc. The services cover over 80 Lakh people and a large number of commercial and other institutional users.

To provide these services, thousands of kilometers of lines have been laid and Six circles with Seventeen Divisions are working exclusively on Operations and Maintenance.

The Board is an 'autonomous' body under 'Act Hyderabad Metropolitan Water Supply and Sewerage Act, 1989 and is responsible for supply of potable water including planning, design, construction, implementation, maintenance, operation & management of water supply and sewerage system. The Board is stipulated to run on commercial lines by generating surplus through tariffs in a manner to meet operational costs, capital expenditure and debt servicing.

2.0 Service Area

HMWSSB has decided to provide 100% meters (excluding slums) to all water supply connections and to conduct water audit by providing docket meters with electronic smart meters and also to domestic water meters. The data shall be integrated with HMWSSB's RBS to Board's SCADA / AMR Server for O&M Division Nos.II & VI jurisdiction under UFW division, Revenue Circle.

The city of Hyderabad founded about 400 years back has grown to Metropolitan City with a population of about 1.0 Crore today. The present water supply sources to the twin cities are as follows:

a)	Osman Sagar	-	25.0 MGD
b)	Himayath Sagar	-	15.0 MGD
c)	Manjira Phase-I & II	-	45.0 MGD
d)	Manjira Phase-III & IV	-	75.0 MGD
e)	Krishna Phase-I	-	90.0 MGD
f)	Krishna Phase-II	-	90.0 MGD

	Total	:	340.0 MGD

The augmentation works for water supply to the twin cities which are in progress are as follows:

a)	Krishna Phase-III	-	90.0 MGD
b)	Godavari Phase-I	-	172.0 MGD

	Total	:	262.0 MGD

The two sources are about 20.0 KMs from the city and Manjira Phases are about 60.0 KMs and Krishna Phases are about 120.0 KMs and Godavari will be about 220.0 KMs away from the city.

The demand is increasing at a rapid pace and distance of the sources from the city is increasing by the day. The burning question is that from how many sources can we augment potable water to city. The sources are limited but the demand is growing.

Therefore, unless we reduce, recycle and reuse the water, HMWSS Board may not be able to quench the thirst of the citizens. One of the major components which HMWSS Board can reduce is **Unaccounted Flow of Water (UFW)**. About 32% of the water drawn from the above sources is U.F.W. i.e. about 100 MGD of water drawn is lost in leakages, pilferages etc. The reduction of UFW is tediously long process. To reduce UFW in a scientific way flow measurement is an important parameter.

Hence, HMWSS Board has taken a policy decision to install Docket-wise meters, including domestic meters so that the difference between supplied quantity and billed quantity will be a click away. Once 100% metering is achieved, then reduction of UFW will be feasible at site realistically.

3.0 Source of Funds:

Under 'BOOT' (Build, Operate, Own & Transfer) model.

The selected agency shall conduct field survey, manufacture, supply, install, testing, commissioning of the project and to maintain five years comprehensive maintenance period after successful installation & commissioning of water meters for DMA purpose in a phased manner for the entire project period.

The agency shall be responsible for billing & collection of water revenue with stipulated conditions on par with the existing out sourced billing & collection system under HMWSSB in various O&M Divisions.

The agency shall quote EMI (Equated Monthly Installments) for 60 months comprehensive maintenance period including the cost of field survey, manufacture, supply, install, testing, commissioning of the project for DMA meters and Domestic meters. Also the agency has to quote % of commission it expects on revenue collection collected through e-pos machines from the consumers.

In order to get short listed the firms shall fulfill the following eligibility criteria:

- 1) The Docket Water Meters from 100mm to 300mm dia (Electronic Smart Meters) and Domestic water meters for 15mm,20mm&25mm dia (compatible to AMR technology/Electronic smart meters) shall be in accordance with ISO: 4064 standards, Class-B metrological standard for water meters & its latest amendments / IS : 779-1984 & its latest amendments and shall have ISI / EEC / MID pattern approval and bear appropriate EEC/MID certification, the meter shall be approved in accordance to the new EU-directive, MID regulations) along with life cycle certificate from FCRI, GOI.
- 2) The firm should demonstrate experience of managing meter reading, billing and collection of user charges of water supply & Sewerage in any serving at least 40,000 connections.
- 3) The firm should demonstrate experience of achieving NRW less than 20% in any city serving at least 40,000 connections.
- 4) Life span of the water meter should be minimum five years and the agency should be responsible for ensuring that the meter functions accurately during the life span without charging extra.
- 5) Water Meters shall have IP 68 environment protection (certificate to be issued by FCRI) with AMR technology.
- 6) The agency should be responsible for supplying and fixing the meter at the specified locations in the jurisdiction of HMWSSB,O&M Division Nos. II & VI.

- 7) The firm should have experience in supply, installation and maintenance in any one year period in the past 10 years. If the firm itself is not a manufacturer, it shall produce Memorandum of Understanding from a manufacturer having experience in manufacture and supply of above specified water meters / Joint venture with experience having billing & collection agencies etc.
- 8) Interested firms must provide information that they are qualified to get shortlisted for the contract which may include technical brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills manpower, annual turnover, etc.
- 9) The technical details of docket meters make/model and the technology along with methodology involved for all sizes are to be submitted by firms/agencies and also need product demonstration with power point presentation.
- 10) The manufacture shall specify the frequency range of the DMA operating system and shall possess the necessary license of said operating frequency, issued by GOI/DOT. In case if the claims frequency operation in the free range, necessary documents / clearance from GOI/DOT shall be submitted along with the offer.
- 11) Remote trans-receiver of the AMR system fitted on the water meter shall be wireless. AMR metering data can be transferred directly to HMWSSB's Server & shall be integrate with the existing HMWSSB's RBS data base system.
- 12) The bidder shall give break up cost of supply, installation at various sites & comprehensive maintenance for five years period separately along with their commercial bid.
- 13) The following documents shall be submitted along with RFP document.

S.No.	Qualification Criteria	Required Documents	Remarks
1	Memorandum of Understanding (other than water meters with SCADA / AMR technology manufacturer)		
2	The Docket Water Meters from 100mm to 300mm dia (Electronic Smart Meters) and Domestic water meters for 15mm , 20mm & 25mm dia (compatible to AMR technology/Electronic smart meters) shall be in accordance with ISO: 4064 standards & its latest amendments / IS : 779-1984 & its latest amendments and shall have ISI / EEC / MID pattern approval and bear appropriate EEC/MID certification, the meter shall be approved in accordance to the new EU-directive, MID regulations) along with life cycle certificate form FCRI, GOI.		

3	The firm should have experience in supply, installation and maintenance in any one year period in the past 10 years. If the firm itself is not a manufacturer, it shall produce Memorandum of Understanding from manufacturers who have experience in manufacture and supply of above specified water meters.		
4	Name & Address of the firm.		
5	Annual Turnover for the last 10 years (Copy of Balance sheet) certified by the Chartered Accountant shall be enclosed. It is necessary that the bidder should have Supply, delivery installation and maintenance of Domestic water meters in the past 10 years i.e. not earlier than April'2004. Supply, delivery installation and Maintenance of water meters in one or more contracts successfully by the bidder shall be minimum of Rs:_____lakhs in any one year during the past 10 years. (Amount will be specified in 'RFP' document as per qty. of work)		
6	Year of Establishment of the Firm.		
7	Past Experience with client details.		
8	ISO: 4064 class 'B' standards and shall have EEC pattern approval and bear appropriate EEC certification issued until 31/12/2009 and EEC mark (in case of new water meter after due date, the meter shall be approved in according to the new EU-directive, MID regulations) for each size along with performance certificate from FCRI, GOI. Certification details.		
9	IP 68 protection class (certificate to be issued by FCRI)		
10	Type of technology involved in the working of the domestic meters (compatible to AMR technology/Electronic smart meters).		
11	Copy of Registrations. (Firm registration / contract registration)		
12	Company Profile / Completion Certificates of past projects. Contact person with communication details. Communication details of existing / past clients as reference to completed works etc;		
13	VAT Registration		
14	Service Tax Registration.		
15	PAN & latest Income Tax Returns filed with I.T Dept, GOI.		

The request For Proposal (RFP) document will be issued to the agencies with requisition letter along with document fees Rs:10,000/-(Rupees Ten Thousand only), including S.T for Rs:1050=00) by way of Demand Draft issued by any nationalized / scheduled bank, recognized by RBI in favor of “HMWS&SB” payable at Hyderabad from the O/o The Chief General Manager (Engg.), Revenue Circle, HMWS&SB, Khairatabad, Hyderabad -04 on any working day during office hours on or after successfully completing the pre-documentation meeting to be conducted by HMWS&SB in the following due dates: `

Issue / Down load start of EOI Documents start from	09-03- 2015 at 11.30A.M
Issue / Down load end of EOI Documents closing date	23-03-2015 at 05.00 P.M
Date of Pre-documentation meeting at HMWSSB, Administrative Building, Khairatabad, Hyd.	30- 03-2015 at 3.00 P.M

The RFP (Request For Proposal) documents will be prepared and to be issued to the eligible agencies based on the minutes of meeting to be conducted by HMWS&SB.

HMWS&SB reserves the right to reject all or any bids without assigning any reason what so ever.

Sd/-
**Chief General Manager (E),
Revenue Circle, Khairatabad.**