

OFFICE OF  
THE PROJECT DIRECTOR  
PROJECT IMPLEMENTATION UNIT  
JICA ASSISTED GUWAHATI WATER SUPPLY PROJECT  
SAIKIA COMMERCIAL COMPLEX, CHRISTIAN BASTI  
G. S. ROAD, GUWAHATI - 781005.

Letter No. PIU/JICA/GHTY/16/Pt.II/2014/114...

Date: 23<sup>rd</sup> Sep'2016

JICA Assisted Guwahati Water Supply Project

**Invitation for Proposals for Supply of AMR compatible water meters conforming to IS : 779 :1994 or ISO 4064 : 1993 standard with EEC/OIML/MID certification mark with protection class of IP 68 complete in all respect (Contract Package No. C-11(a))**

**Addendum Number-2**

As per provision of ITB 8, Amendment of Bidding Documents, the following amendment are issued to the bid document:

Clause No	As per original Bid document	Revised Conditions / Specifications
Section VI, Technical Specification, page 88, A,6	The totalizer shall be designed in such a way that if the totalizer protective glass is broken for a reason or another the totalizer cannot be removed from its place. <b>The totalizer protective cover shall be made of sturdy glass and shall have a thickness of not less than 5mm and shall pass specified tests.</b> Sturdy glass is defined as the ability of the counter protection glass to withstand, without damage, a free fall of a metal ball weighing 27.2 grams from a vertical distance of not less than 70 cm, subject to clear visibility till end of contract	In all of the three Clauses, the specification of the totalizer protective cover should be read as below:  The totalizer protective cover shall be made of <b>sturdy mineral glass and shall preferably have a thickness of within the range of (3-5)mm and shall pass specified tests.</b> Sturdy glass is defined as the ability of the counter protection glass to withstand, without damage, a free fall of a metal ball weighing 27.2 grams from a vertical distance of not less than 70 cm, subject to clear visibility till end of contract period guaranteed

Clause No	As per original Bid document	Revised Conditions / Specifications
Section VI, Technical Specification, page 88, A,6, g	<p>period guaranteed by bidder may be allowed.</p> <p><b>Totalizer shall have a protective cover 5mm thickness mineral glass</b> (required to maintain IP 68 protection class.)</p>	<p>by bidder may be allowed.</p>
Section VI, Technical Specification, page 89, B,1, b,2,b	<p>Register ( 2<sup>nd</sup> paragraph)</p> <p>The register mechanism should be fitted with a mineral glass window. <b>The Thickness of the mineral glass should be 5 mm.</b></p>	
Section VI, Technical Specification, page 90, B.1.b.2.c	<p>Pulse Output</p> <p>The register mechanism will be pre equipped to receive a pulse output unit in the future which can be added to the meter onsite without breaking the meter seal and without removing the meter mechanism. The system must be fully wireless. The meter must offer the facility for both optical and reed switch outputs which can be used at the same time. The meter shall offer the facility for electronic pulse outputs with 1 Pulse per 100 liter for Sizes 50mm to 125mm and 1 Pulse per 1000 Liters for sizes 150mm and above</p>	<p>Pulse Output</p> <p>The register mechanism will be pre equipped to receive a pulse output unit in the future which can be added to the meter onsite without breaking the meter seal and without removing the meter mechanism. The system must be fully wireless. <b>The meter must offer the facility of optical / reed switch outputs.</b> The meter shall offer the facility for electronic pulse outputs with 1 Pulse per 100 liter for Sizes 50mm to 125mm and 1 Pulse per 1000 Liters for sizes 150mm and above</p>
Section VI, Technical Specification, page 86, A.1	<p>3<sup>rd</sup> Paragraph 2<sup>nd</sup> sentence:</p> <p>It must have Magnetic tamper proofing against 4000 Gauss Magnet, with 5 inline digits to indicate 99,999 m<sup>3</sup> and 2 inline digits to indicate sub-multiples.</p>	<p>3<sup>rd</sup> Paragraph 2<sup>nd</sup> sentence:</p> <p>It must have Magnetic Tamper proofing against 4000 Gauss Magnet, with 5 inline digits to indicate 99,999 m<sup>3</sup> and 2 inline <b>digits / pointers</b> to indicate sub-multiples</p>
	<p>Bid Submission Date :</p> <p>26.09.2016 15:00 hrs</p>	<p>Revised Bid Submission Date:</p> <p>22.10.2016</p>

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Evaluation Criteria No 2.4.1 General Experience Criteria ( As per Original Bid Document)

Factor	2.4 Experience					
Sub-Factor	Requirement	Criteria				Documentation Required
		Single Entity	Bidder			
			Joint Venture, Consortium or Association			
			All Partners Combined	Each Partner	At Least One Partner	
2.4.1 General Experience	The bidder should be in supply of consumer water meters business for at least Ten (10) years prior to the applications submission deadline.	Must meet requirement (In case Bidder is a Dealer this criteria to be met individually both by Dealer and its Manufacturer)	N / A	Must meet requirement	N / A	Form EXP - 1

Evaluation Criteria No 2.4.1 General Experience Criteria ( Revised criteria)

Factor	2.4 Experience					
Sub-Factor	Requirement	Criteria				Documentation Required
		Single Entity	Bidder			
			Joint Venture, Consortium or Association			
			All Partners Combined	Each Partner	At Least One Partner	

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Factor	2.4 Experience					
Sub-Factor	Requirement	Criteria				Documentation Required
		Single Entity	Bidder			
			Joint Venture, Consortium or Association		At Least One Partner	
		All Partners Combined	Each Partner			
2.4.1 General Experience	<p>In any combination the bidder as Dealer / Manufacturer / JV should meet:</p> <p>The meter manufacturer should be in supply of consumer water meters business for at least Ten (10) years prior to the applications submission deadline.</p> <p>The Dealer should be in business for at least Five (5) years prior to the applications submission deadline.</p>	<p>Must meet requirement (In case Bidder is a Dealer this criteria to be met individually both by Dealer and its Manufacturer)</p>	N / A	<p>Must meet requirement (Dealer and manufacturer to meet the requirement as indicated)</p>	N / A	Form EXP - 1

*[Handwritten Signature]* 23.09.16

The Chief Supervising Officer (Technical)

Project Implementation Unit, JICA assisted GWSP  
 Saikia Commercial Complex, 3<sup>rd</sup> Floor,  
 Christian Basti, G S Road,  
 Guwahati-781005, Assam

Memo No.PIU/JICA/GHTY/16/Pt.I/2014/114.-A  
 Copy for kind information to:-

Date: 23<sup>rd</sup> Sep'2016

1. The Project Director, PIU, JICA assisted GWSP.

**List of Clarification/Queries on Bid Document**

**Contract Package – C-11(a) IFB No. GWSP/ICB/C-11(a)/16-17**

Supply of AMR compatible Consumer water meters and Bulk water meters confirming to IS: 779:1994 or ISO 4064:1993 standard with EEC/OIML/MID certification mark with protection class of IP68 complete in all respect

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
1.	Number of samples to be submitted	1. Evaluation Criteria (1.1-g) -Page 41 mentions 2 samples 2. Technical Proposal Page 70 mentions 2 samples 3. Part II -Section VI -Technical Specification “Other key points to be noted with regards to this contract” -mentions 5 samples 4. Part I - Section II: Bid Data Sheet -ITB 32.1 mentions 5 samples	Please clarify the number of samples to be provided -if as per “Supply shall be made strictly as per the sample meters produced along with the bid including the weight as approved by the Board after testing at (FCRI) Fluid Control Research Institute, Kerala” -Part II –Section VI - Technical Specification (Material of Construction) -then 10 samples may be required	It is confirmed that 3 nos of 15mm sample meters need to be submitted along with the bid.
2.	Certification	Part II –Section VI - Technical Specification -A.2. Certification – “Life cycle/ Endurance certificate from FCRI (Fluid Control and Research Institute) or similar competent authority”	Please clarify definition of similar competent authority. To ensure uniformity we would request that certificates from FCRI be made binding -specifically since the bid document stipulates that samples submitted will be tested at FCRI	By Competent Authority it should be from equivalent international Institute (preferably European, American etc). For Indian manufacturer it should be from FCRI.
3.	Manufacturing Capacity	As per Delivery Schedule the entire 15000 meters needs to be supplied within SIX months (Page 40)	A Manufacturing Capacity certificate should be required from the manufacturer	Yes. However the same will be validated by client.
4.	Future Upgrade to AMR	Section IV A: Bidding Forms for Technical Bid Guwahati - Technical Proposal (Page 70) – “Technical Approach and Methodology of the Automated Meter Reading (AMR) systems proposed by the bidder”	Verification of future upgrade possibility -including demonstration, HHU and software capabilities should form part of the evaluation process.	Will be considered as deemed fit by the Employer
5.	AMR System (Proposed for	Part II –Section VI - Technical Specification -C. AMR System	The features, protection class and tamper proof features of the system	Will be considered as deemed fit by

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
	future upgrade)	(Proposed for future upgrade) -D. Software -E. Hand Held Unit Device	should form part of the evaluation process – and if needed be verified at FCRI or another competent laboratory.	the Employer
6.	General	Apart from above, to encourage truly global competition and competitive bidding, you are requested to allow one meter manufacturer to give manufacture authorization to various eligible bidders		Not acceptable
7.	Page 88,4 Material of Construction	The body of the meter shall be from non-corrosive and non-magnetic alloy	As per IS 779, the meters body should be either brass or bronze. Hence please accept any of these two bodies.	Tender Condition prevails.
8.	Page 89, 6, The Totalizer and Totalizer Shield	Totalizer shall have a protective cover of 5mm thickness mineral glass (required to maintain IP 68 protection class.)	IP 68 protection class can only be maintained when sturdy glass is provided over metal can that houses register gears. Hence only a metal can should a considered along with the glass	Tender Condition prevails.
9.	Page 90,a	Technical Specification for Water Meters conforming to Class B of ISO 4064 (Woltman Type) The supplier should have a valid EEC certificate	Now EEC has been replaced by MID, hence MID certificate should also be acceptable.	Accepted. The supplier should have a valid EEC/MID certificate
10	Page 90-91,b, Register	Indicating device shall be able to record in straight in-line digits a maximum reading of 999999.99KL for meter size 50 to 150mm, 999999.9 KL for meter size of 200 to 300mm	Since for bulk meters the roller indication litres is less significant, please accept meters with maximum reading of 9999999.9 KL for meter size 50 to 150mm and 99999999 KL for meter size of 200 to 300mm.	Accepted.
11	Page 91,c, Pulse Output	The meter must offer the facility for both optical and reed switch outputs which can be used at the same time.	Reed switches which basically are mechanical devices, inductive sensors are fully electronic, non-mechanical interfaces. Reed switches are the most common	The bidder is free to provide superior technology on the AMR compatibility portion. However the bid evaluation will be on least cost offered among the technical

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
			point of failure and inaccuracy in water metering and the eliminations of their weakness by using inductive sensors will ensure water meter readings with good accuracy, extended life expectancy and backflow detection. The combination of mechanical meters with non-mechanical inductive sensors is a cost effective solution for AMR and other water metering applications.	qualified bidder.
12	Page 91,g, marking	Maximum Flow rate	Standard practice is to provide Nominal flow rate, hence requested to be deleted.	Tender condition prevails.
13	Page 94, Headloss	Meters shall show a loss of head not exceeding 0.1 Bar at Qn in accordance with ISO 4064	As per ISO standard acceptable Head loss is 0.63 bar hence should be allowed	Tender condition prevails.
14	Page 94, Seals	All meters shall be sealed with approved type of seals / seal wires (copper wires). The seals / seal wires shall be provided by the supplier	Lead seals are also equally acceptable in industry, hence should be acceptable. Please confirm.	Tender condition prevails.
15	Samples clarification	Page 69 of the document reads “ the Bidder need to provide 2 number of sample meters of the proposed model (15mm size) along with the Technical Bid” Also pg. no. 39 reads “ The bidders need to provide along with the bid sample of 5 numbers of 15mm consumer meters of the same model which the bidder has proposed for this.	Please suggest how many samples of DN 15 are to be submitted.	PI refer clarification No 1.
16	Page 95-96, d, Software	The software shall provide database backup/ restore function and must work on client server architecture and	Alert through email / SMS to users is a feature of Billing System. So	Tender condition prevails.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		real time data access. The software should be web enabled and alerts to be provided through email / SMS to users	AMR software will not have these features.	
17	Page 97, 3	As a part of the inspection and testing requirements of the products, 1% of the meters supplied in each lot will be sent for accuracy testing at FCRI, Pallakad or any other authorized test benches as deemed fit by client.	Inspection and Testing should be done either at FCRI or at any other NABL accredited test bench. Also, common industry practices is to follow table 4 of IS 779 for sampling plan and acceptance criteria. Hence the same is requested to be acceptable.	The overall sample selection and acceptance criteria will be as per Table 4 of IS 779. However 1% of the meter supplied in each lot will be tested at FCRI.
18	Page 39, 32.1, Evaluation and comparison of Bids	The Bidders need to provide along with their bid sample of 5 number of 15mm consumer meters of the same model which the bidder has proposed for this tender. The accuracy of these meters will be tested by the client independently.	<p>Since the Bid is for AMR Compatible water meters, apart from accuracy, it is highly recommended to test AMR system before price bid opening at FCRI, below tests to be performed to ensure proven AMR system.</p> <ol style="list-style-type: none"> <li>1) IP 68 Testing of AMR system</li> <li>2) Remote reading of water meters in dry i.e. open air condition</li> <li>3) Remote reading of water meter in submerged condition i.e. under water, with under variable water depth conditions</li> <li>4) Remote Reading with different tamper alarms for back flows, magnet and physical damage, etc</li> <li>5) Response time of AMR reading on HHU</li> <li>6) Visual inspection of AMR water meter and its AMR syste,</li> </ol>	<p>Noted.</p> <p>The same may be suitably incorporated as deemed fit by the client.</p>

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
			<p>along with its software</p> <p>7) Real Index text ie all the time electronic index of the water meter shall match with mechanical index.</p> <p>8) Demonstration of uploading of readings from handheld unit to PC and vice versa.</p> <p>Note : RF based wireless remote trans receivers to be submitted along with the bid.</p>	
19	IFB Clause 3 read with Sch IV – B: Price Schedule, Item No. 3	The PIU, JICA Assisted Guwahati Water Supply Project now invites sealed bids from eligible firms for the supply of AMR compatible consumer water meters (15-40mm size) and bulk water meters (50 – 100mm sizes) of total quantity 15000 number ( details provided in Price Schedules) as metering package 1. Based upon the performance of the meters supplied subsequent orders may be placed in the coming years based upon requirement and commissioning of the water supply to the other zones.	<p>Since Guwahati Jal Board is investing in "AMR compatible" meters which are priced higher than conventional meters, we request the Jal Board to procure "AMR meters" to fully benefit from this AMR technology as is done in Malkapur, MCGM Mumbai, Delhi Jal Board, UJS Uttaranchal and other utilities in India.</p> <p>Once AMR compatible meters are installed, to upgrade it to AMR requires additional resources and technically skilled manpower and moreover the cost-benefit analysis is always negative.</p> <p>Request to procure AMR meters, ensure electronic meter data transfer from meter to billing system, easily, efficiently and accurately and without human intervention.</p>	<p>At present bid has been invited for AMR compatible consumer water meters.</p> <p>The bidder can quote price for AMR solution which is kept optional at this stage.</p> <p>Based upon the bids received up-gradation to AMR may be considered. An AMR pilot may be taken up to assess the viability of the solution proposed.</p> <p>The bidder based upon their technology proposed need to assess the requirement and need to provide an unit rate for 15000 meters AMR solution.</p> <p>The price for this item will not be considered for price evaluation under this bid. Only Line Item Nos 1,2 &amp; 3 will be considered for bid evaluation.</p>
20	ITB 1.1 and Part 2: Section	The PIU, JICA Assisted Guwahati Water Supply Project now invites	EEC marking has been phased out and is superseded by MID Marking.	Noted.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
	IV: Technical Specifications, A2	sealed bids from eligible firms for the supply of AMR compatible consumer water meters (15-40mm size) and bulk water meters (50 – 100mm sizes) of total quantity 15000 number ( details provided in Price Schedules) as metering package 1. Based upon the performance of the meters supplied subsequent orders may be placed in the coming years based upon requirement and commissioning of the water supply to the other zones.	Hence, requirement of EEC may be deleted.	It can be read as EEC/MID marking.
21	Sch IV – B: Price Schedule, Item No. 3 and Part 2: Section IV: Technical Specifications,	<p>Supply of consumer water meter test bench conforming to ISO 4064 standard and capable of testing water meters of sizes (15 and 20mm ) size</p> <p><b>Supply of Consumer Water Meter Test Bench</b></p> <p>The item includes supply of consumer water meter test bench capable of testing of water meters of sizes (15 and 20mm). This should include all the accessories, fittings, constant head tank etc. The water meter test bench supply should be as per the provision of ISO 4064.</p>	<p>Please provide detailed technical specifications of the test bench (volumetric or gravitational, No. of UUT's including quantity of UUT vs size of meter).</p> <p>Please also confirm if the storage tanks and pumps arrangement will be provided by Jal Board.</p> <p>Whether power, water supply, air-conditioning, building and land for setting up and operation of the test bench will be provided by Jal Board</p>	<p>The Bidder to propose the suitable Test Bench.</p> <p>The bidder need to include prices for all the supply items required for the Test Bench including the constant head tank.</p> <p>The scope of work is limited to only supply of test bench and any after sales support, if required.</p> <p>All the other facilities required for setting up of the Test Bench including its operation will be taken up by Jal Board separately.</p>
22	Sch IV – B: Price Schedule, Item No. 4	<p>Supply, installation and commissioning of the proposed AMR system of the Bidder. This should include the cost of all the hardware, software, installation,</p>	<p>In case of AMR compatible meters, how is integration to billing required when data needs to be punched in manually.</p> <p>Please elaborate on existing billing</p>	Presently no meter reading based billing system is in place. The same is being finalised.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		testing, integration with billing and commissioning	system.  It is easier, efficient and accurate to electronically transfer meter data integrated to the billing system using hand held unit for meter reading and meter manufacturer's Meter Data Management Software.	
23	Part 2: Section IV: Technical Specifications, A2	Conforming to IS-779:1994 and ISO 4064 with ISI marking	Request kindly delete requirement of ISI marking.  Since meters are approved to IS 779/ISO 4064 with OIML/MID Marking and also tested for endurance/life cycle or performance at FCRI	Accepted.
24	Part 2: Section IV: Technical Specifications, A2	IP68 certificate from FCRI or similar competent authority	IP68 testing is included in OIML/MID Certification and hence, additional tests may be deleted	Tender Condition Prevails.
25	Part 2: Section IV: Technical Specifications, Clause 3	The water meters of domestic sizes shall be compatible with RF based AMR technology, directly fitted on the water meter & wireless, multi-jet, inferential type, dry dial, EEC/MID approved water meters .	AMR module should be in-built into the meter to avoid tamper, mis-use and mis-fit related issues.	Bidder to propose suitable technology / option for AMR.
26	Section III, Evaluation and Qualification Criteria, 2.3, 2.3.2	Average Annual Turnover Minimum average annual turnover of INR 160 Million, calculated as total certified payments received for contracts in progress or completed, within the last Five (5) years	Minimum average annual turnover of INR 160 Million, calculated as total work done for public or private contracts in progress or completed, within last Five (5) Years)	The bid criterion does not have any specific reference to public or private. Hence both will be considered.
27	Section III, Evaluation and Qualification Criteria, 2.4,	Specific Experience: The manufacturer / dealer (single entity of JV member) 4 should have past experience of supply of AMR	The manufacturer / dealer (single entity of JV member) 4 should have past experience of supply of <b>consumer water meters</b> (15-50mm) and bulk meters (50-	Tender conditions prevails

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
	2.4.2	compatible consumer water meters (15-50mm) and bulk meters (50-200mm) of at least 12,000 numbers combining all sizes, of the same model as proposed by the Bidder, to a municipality / water authority in India / abroad in a single order in the last 5 years. The bidder must provide proof of satisfactory performance of the water meter supplied from clients.	200mm) of at least 12,000 numbers combining all sizes, of the same model as proposed by the Bidder, to a municipality / water authority in India / abroad in a single order in the last 5 years.	
28	Section III, Evaluation and Qualification Criteria, 2.4, 2.4.3	Production and Sales of Goods Offered: Goods offered have in production for at least 10 years and a minimum of 15,000 units of similar specifications <sup>5</sup> have been sold each year in the last 5 years prior to the applications submission deadline	Water Meters have been in production for at least 10 years and a <b>minimum of 15,000 units of water meters</b> have been sold each year in the last 5 years prior to the applications submission deadline.	Tender condition prevails.
29	Section VI, Technical Specification	A. Technical specifications for Residential / Commercial AMR Water meters:- The domestic/commercial type water meters from 15 mm to 40 mm sizes shall be capable of <b>future upgrade</b> with RF (Radio Frequency) based AMR (Automated Meter Reading) technology, directly fitted on the meter & wireless, magnetically coupled, multijet, inferential type, dry dial, IP68 class protection, Class-‘B’ or ‘C’ water meters (screwed ends) manufactured in accordance with ISO: 4064 standards & have EEC (European Economic Community) pattern approvals & shall bear EEC	India Water Meter manufacture meters as per IS 779 : 1994 and have ISI marking on meter dial. Thus the water meters with ISI marking on the meter dial shall also be considered for this tender otherwise this will become monopolistic and benefit only certain category of manufacturers.	Only ISI marking will not be considered. It can be ISI marked along with EEC or MID or OIML Code No. In case the Bidder with ISI marking only is unable to provide the MID / OIML certification at the bidding stage, they need to provide an undertaking that the same will be provided before award of Contract. No further time shall be allowed to the bidder for receipt of certification. In case the bidder is not able to provide the above certification at the time of Contract award GJB shall proceed to award to the next eligible bidder.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		marking on meter dial for each size.		
30	Section VI, Technical Specifications	A. Technical specifications for Residential / Commercial AMR Water meters:- 2.Certifications: EEC product approval and manufacturing plant enlisted in EEC Approval	BIS certificate should also be considered for Indian Water Meter manufacturer.	Only BIS certificate will not be considered. It can have BIS certificate along with EEC / MID / OIML. In case the Bidder with BIS marking only is unable to provide the MID / OIML certification at the bidding stage, they need to provide an undertaking that the same will be provided before award of Contract. No further time shall be allowed to the bidder for receipt of certification. In case the bidder is not able to provide the above certification at the time of Contract award GJB shall proceed to award to the next eligible bidder.
31	Section VI, Technical Specifications	A. Technical specifications for Residential / Commercial AMR Water meters:- 2.Detailed Description: AMR (Automated Meter Reading) Water Meter. a. The AMR capable domestic water meters, inferential type, multi jet,magnetically coupled, having dry dial, Class 'B' or 'C' conforming to IS-779: 1994 with up to date amendments or ISO 4064:1993 standard with EEC/OIML/MID certification mark on each meter and shall be with protection class of IP-68	ISI mark water meters should also be considered for this bid. It should be read as: The AMR capable domestic water meters, inferential type, multi jet, magnetically coupled, having dry dial, Class 'B' or 'C' conforming to IS-779: 1994 with up to date amendments or ISO 4064:1993 standard with <b>ISI/EEC/OIML/MID</b> certification mark on each meter and shall be with protection class of IP-68	Refer Reply to query No 29

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
32	Section VI, Technical Specifications	<p>A. Technical specifications for Residential / Commercial AMR Water meters:-</p> <p>3.Detailed Description: AMR (Automated Meter Reading) Water Meter</p> <p>b. The water meters of domestic sizes shall be compatible with RF based AMR technology, directly fitted on the water meter &amp; wireless, multijet, inferential type , dry dial, EEC/MID approved water meters.</p>	<p>ISI mark water meters should also be considered for this bid.</p> <p>The water meters of domestic sizes shall be compatible with RF based AMR technology, directly fitted on the water meter &amp; wireless, multijet, inferential type , dry dial, <b>ISI/EEC/MID</b> approved water meters</p>	Refer Reply to query No 29
33	Section VI, Technical Specifications	<p>A. Technical specifications for Residential / Commercial AMR Water meters:-</p> <p>5.Marking on the Body of the Meter: v. EEC or OIML Code No</p>	<p>ISI mark water meters should also be considered for this bid.</p> <p>It should be read as: <b>v.ISI or EEC or OIML Code No</b></p>	Refer Reply to query No 29
34	Section VI, Technical Specifications	<p>A. Technical specifications for Residential / Commercial AMR Water meters:-</p> <p>6.The Totalizer and Totalizer Shield: The totalizer shall be designed in such a way that if the totalizer protective glass is broken for a reason or another the totalizer cannot be removed from its place. The totalizer protective cover shall be made of sturdy glass and shall have a thickness of not less than 5mm and shall pass specified tests. Sturdy glass is defined as the ability of the counter protection glass to withstand, without damage, a free fall of a metal ball weighing 27.2 grams from a vertical distance of</p>	<p>As we are maintaining IP 68 protection class, the totalizer protective cover made of Poly Carbonate and have a thickness of 1.5mm should also be considered.</p>	Refer Addendum 2.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		<p>not less than 70 cm, subject to clear visibility till end of contract period guaranteed by bidder may be allowed.</p> <p>(g) Totalizer shall have a protective cover 5mm thickness mineral glass (required to maintain IP 68 protection glass)</p>		
35	Section VI, Technical Specifications	<p>B.Bulk Water Meters – Woltman Type:</p> <p>C.Pulse Output : The register mechanism will be pre equipped to receive a pulse output unit in the future which can be added to the meter onsite without breaking the meter seal and without removing the meter mechanism. The system must be fully wireless. The meter must offer the facility for both optical and reed switch outputs which can be used at the same time. The meter shall offer the facility for electronic pulse outputs with 1 Pulse per 100 liter for Sizes 50mm to 125mm and 1 Pulse per 1000 Liters for sizes 150mm and above</p>	Optical or reed switch outputs should be considered instead of both for future upgrades.	Refer Addendum 2
36	VI, Technical Specification	<p>A. Technical Specification for residential / commercial AMR water meters</p> <p>2. Certifications</p>	Requirement for Model Approval is not mentioned. As per the legal Metrology (Approval of Models) Rules ,2011 of this Act, Model approval from Director, Legal Metrology is mandatory for water meters which is included in Schedule 8 of Legal metrology Act. As per provision 34 of the LM Act,	<p>The Bidder need to provide the Model Approval as per the legal Metrology Rules.</p> <p>In case the Bidder is unable to provide the same at the bidding stage, they need to provide an undertaking that the same will be complied preferably before award of Contract.</p>

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
			Sale or Delivery of commodities by non-standard weight or measure and as per provision 35 of the Act, Rendering Service by nonstandard weight or measure is also liable for penalty and imprisonment. We request you to include the same to avoid penalties by Guwahati Jal Board.	The awarded Supplier need to indemnify the Employer against any penalties incurred in this regard.
37	VI, Technical Specification	A. Technical Specification for residential / commercial AMR water meters 6. Totalizer and Totalizer Shield	It is mentioned that the totalizer protective cover shall be made of sturdy glass and shall have a thickness of not less than 5mm and shall pass specified tests. For normal meter, it is OK, but for AMR meter, it affect performance, as the RF sensor has requirement distance to the target, the distance between the sensor and target should be within 3.5 mm, thus the lens should be less than 2.5mm. It is acceptable Plastic lens with same strength can be provided.	Refer Addendum 2.
38	Section III: Particular Condition (PC)	Conditions : Inspection and Tests, sub clause GC 24.1:	It is mentioned that 1% of the meters supplied need to be tested at FCRI. As per legal metrology Act, verification is to be done for each and every meter and verification certificate is to be issued by GATC (Government Approved Test Centre). As per the LM Act, use of unverified weight or measure in transaction or protect is liable for penalty. To avoid penalties by Guwahati Jal Board	The verification certificate need to be submitted as clarified vide the reply No 36. In addition to that provisions of the Inspection and test Clause is also to be adopted.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
			consumers, we request you to include verification certificate along with meter and remove inspection and tests clause.	
39	2.4.2 Specific Experience	The manufacturer / dealer (single entity of JV member) <sup>4</sup> should have past experience of supply of AMR compatible consumer water meters (15-50mm) and bulk meters (50-200mm), as per specification provided in the RFP, of at least 12,000 numbers combining all sizes, to a municipality / water authority in India / abroad in a single order in the last 5 years.	Sir, we are water meter manufacturers and had also participated in the pre-bid of the last tender. We request you as previously requested to kindly amend the same as under to give a fair chance for us to participate else it is just leading a monopoly to one or two bidders. The manufacturer / dealer (single entity of JV member) <sup>4</sup> should have past experience of supply of AMR compatible consumer water meters (15-50mm) and bulk meters (50-200mm), as per specification provided in the RFP, of at least <b>11,200</b> numbers combining all sizes, to a municipality / water authority in India / abroad in a single order in the last 5 years.	Not acceptable.
40	2.4.1 General Experience	The bidder shall be in supply of consumer water meters business for at least Ten (10) years prior to the applications submission deadline.	Sir, we request you to kindly amend it as under that in case of a Joint Venture at least one partner should be in supply of consumer water meters business for at least Ten (10) years prior to the applications submission deadline.	Refer Addendum 2
41	Section VI, Technical Specification	A. Technical Specification for residential / commercial AMR water meters 6. Totalizer and Totalizer Shield	Totalizer shall have a protective cover of any thickness and material (required to maintain IP 68 protection class). Sir, this clause is	Refer Addendum 2.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		(g) Totalizer shall have a protective cover 5mm thickness mineral glass (required to maintain IP 68 protection class)	just a design of one or two manufacturers leading to monopoly of the same. The main motive is to provide the IP 68 protection which we shall provide you with our design of the water meters.	
42	Section VI, Technical Specifications	Brief Description of Domestic / Commercial Water Meters: The water meters and compatible retrofitted trans receiver shall have IP 68 protection, i.e. submergence for 48 hours in 3 water meter column. It must have Magnetic Tamper proofing against 4000 Gauss Magnet, with 5 inline digits to indicate 99,999 m3 and 2 inline digits to indicate sub-multiples.	Brief Description of Domestic / Commercial Water Meters: The water meters and compatible retrofitted trans receiver shall have IP 68 protection, i.e. submergence for 48 hours in 3 water meter column. It must have Magnetic Tamper proofing against 4000 Gauss Magnet, with 5 inline digits to indicate 99,999 m3 and 2 inline <b>digits / pointers</b> to indicate sub-multiples.	Refer Addendum 2
43	Section VI A. Technical Specifications	1. Marking on the body of the meter:  (a) Marking on dial / cap.  v. EEC or OIML Code No	The following changes are requested:  (a) Marking on dial / cap.  v. ISI or EEC or MID or OIML Code No	Refer Reply to query No 29
44	Bid document page 2 Under the summary of the eligibility criteria	a) The firm must be either  1. A reputable domestic or international manufacturer of consumer water meters meter conforming to IS-779:1994 or ISO 4064: 1993 with EEC/OIML/MID certifications, or	The following changes are requested:  A reputable domestic or international manufacturer of consumer water meters meter conforming to IS-779:1994 or ISO 4064: 1993 with <b>ISI/EEC/OIML/MID</b> certifications, or	Refer Reply to query No 29
45	Section III 2.3.3 Average	Minimum average annual turnover of INR 160 Million, calculated as total	The following changes are requested:	Not accepted.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
	Annual Turnover	certified payments received for contracts in progress or completed, within the last Five (5) years	Minimum average annual turnover of <b>INR 140 Million</b> , calculated as total certified payments received for contracts in progress or completed, within the last Five (5) years OR else Minimum average annual turnover of INR 160 Million, be accepted for last <b>three (3) years</b> .	
46	Section III 2.4.3 Production and sales of goods offered.	Goods offered have in production for at least 10 years and a minimum of 15,000 units of similar specifications have been sold each year in the last 5 years prior to the applications submission deadline	Kindly be deleted as you are ensuring the production under Clause 2.4.1 The AMR meters are a new technology introduced in recent past, especially in India. So insisting for such clause would only limit one of two contenders. You are already ensuring that manufacturers should have sufficient experience of producing water meters.	Not accepted.
47	Section VIII Terms of Payment  Sub Clause GC 14.1	<b>Payment for the Goods supplied from outside Purchaser's Country:</b> Payment of foreign currency portion shall be made in [ <b>Japanese Yen or USD</b> ] in the following manner: (i) <b>Advance Payment:</b> Ten (10) percent of the Contract Price shall be paid, upon signing of the Contract, within <b>forty-five (45)</b> days after receipt of invoice and a bank guarantee for the equivalent amount valid until the Goods and Related Services are delivered and in the form provided in the Bidding Documents or another form	The following changes in payments terms are requested: <b>Payment for the Goods supplied from outside Purchaser's Country:</b> Payment of foreign currency portion shall be made in [ <b>Japanese Yen or USD</b> ] in the following manner: (i) <b>Advance Payment:</b> Ten (10) percent of the Contract Price shall be paid, upon signing of the Contract, within <b>ten (10)</b> days after receipt of invoice and a bank guarantee for the equivalent amount valid until the Goods and	Not accepted. As per Bid document

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		<p>acceptable to the Purchaser.</p> <p>(ii) <b>On Shipment:</b> Eighty (80) percent of the Contract Price shall be paid through an irrevocable letter of credit opened in favor of the Supplier against the documents specified in the letter of credit.</p> <p>(iii) <b>On Acceptance:</b> Ten (10) percent of the Contract Price shall be paid within forty-five (45) days after receipt of invoice and a certificate from the Purchaser declaring that the Goods and Related Services have been delivered and accepted.</p> <p><b>Payment for the Goods supplied from within the Purchaser's Country:</b>  Payment for local currency portion shall be made in [<i>India Rupees</i>] in the following manner:</p> <p>(i) <b>Advance Payment:</b> Ten (10) percent of the Contract Price shall be paid within, upon signing of the Contract, within forty-five (45) days after receipt of invoice and a bank guarantee for the equivalent amount valid until the Goods and Related Services are delivered and in the form provided in the Bidding Documents or another form acceptable to the Purchaser.</p> <p>(ii) <b>On Delivery:</b> Eighty (80) percent of the Contract Price shall be paid within forty-five (45) days after receipt of invoice and the documents specified in GC Clause 11.</p> <p>(iii) <b>On Acceptance:</b> Ten (10) percent of the Contract Price shall be paid within forty-five (45) days after receipt of invoice and a certificate</p>	<p>Related Services are delivered and in the form provided in the Bidding Documents or another form acceptable to the Purchaser.</p> <p>(ii) <b>On Shipment:</b> Eighty (80) percent of the Contract Price shall be paid through an irrevocable letter of credit <b>within thirty days (30) on presentation</b> opened in favor of the Supplier against the documents specified in the letter of credit.</p> <p>(iii) <b>On Acceptance:</b> Ten (10) percent of the Contract Price shall be paid within forty-five (45) days after receipt of invoice and a certificate from the Purchaser and <b>THIRD PARTY INSPECTOR</b> declaring that the Goods and Related Services have been delivered and accepted.</p> <p><b>Payment for the Goods supplied from within the Purchaser's Country:</b>  Payment for local currency portion shall be made in [<i>India Rupees</i>] in the following manner:</p> <p>(i) <b>Advance Payment:</b> Ten (10) percent of the Contract Price shall be paid within, upon signing of the Contract, within <b>ten (10) days</b> after receipt of invoice and a bank guarantee for the equivalent amount valid until the Goods and Related Services are delivered and in the form provided in the Bidding Documents or another form acceptable to the Purchaser.</p> <p>(ii) <b>On Delivery:</b> Eighty (80) percent of the Contract Price shall</p>	

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		from the Purchaser declaring that the Goods and Related Services have been delivered and accepted.	be paid within <b>seven (7)</b> days after receipt of invoice and the documents specified in GC Clause 11. (iii) <b>On Acceptance:</b> Ten (10) percent of the Contract Price shall be paid within forty-five (45) days after receipt of invoice and a certificate from the Purchaser and <b>THIRD PARTY INSPECTION</b> declaring that the Goods and Related Services have been delivered and accepted.	
48	Section VIII Inspection and Tests  Sub Clause GC 24.1	1% of the meters supplied ( separately for each lot of the meters) need to be tested at the FCRI, Pallakad or any other NABL accredited Test facility as deemed fit. The test certificates will be review for compliance of the technical specifications. The testing will be witnessed by the client's representative.  All expenses towards testing need to be borne by the supplier.	Please accept 3 <sup>rd</sup> party inspection at manufacturers place before dispatch. Since the water meters are duly ISI/EEC/OIML/ MID certified, the 3 <sup>rd</sup> party inspection can be conducted at manufacturers place.	3 <sup>rd</sup> party inspection can be taken up in addition to the 1% meters testing at FCRI, Pallakad..
49	Section IV B Price Schedule	Line Item No 4 ( Optional) Supply, installation and commissioning of the proposed AMR system of the Bidder. This should include the cost of all the hardware, software, installation, testing, integration with billing and commissioning	Please clarify why optional is being demanded. We suggest it should be taken as a separate project.	At present bid has been invited for AMR compatible consumer water meters. The bidder can quote price for AMR solution which is kept optional at this stage. Based upon the bids received up-gradation to AMR may be considered. An AMR pilot may be taken up to assess the viability of the solution proposed.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
			<p>How the pricing of this item will be done as it is having various components.</p> <p>Whether the quoted price under this item will be considered for price evaluation.</p>	<p>The bidder based upon their technology proposed need to assess the requirement and need to provide an unit rate for 15000 meters AMR solution.</p> <p>The price for this item will not be considered for price evaluation under this bid. Only Line Item Nos 1,2 &amp; 3 will be considered for bid evaluation.</p>
50		<p>3. Technical Proposal, Page No.70</p> <p>The Bidder need to provide <b>2 number of sample meters</b> of the proposed model (15mm size) along with the Technical Bid. The Cost of the meter will not be reimbursed by GMDA and will be borne by the bidder.</p>	<p>Please clarify.</p> <p>We will provide sample water meters along with the bid, but we request you to return this after the completion of bid evaluation or award of the contract to each and every bidders who will submit the sample water meters, even after it doesn't get the order.</p>	<p>It is confirmed that 3 nos of 15mm sample meters need to be submitted along with the bid. The samples are only for evaluation purpose. The same will be returned to the bidders.</p>
51		<p>Part II – Section VI - Technical Specification</p> <p><b>Other key points to be noted with regards to this contract:</b></p> <p>1. The bidders need to provide along with their bid <b>sample of 5 numbers</b> of 15mm size of consumer meters of the same model which the bidder has proposed for this tender. The accuracy and compliance of these meters will be tested by the client independently.</p>		

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
52		<p>Part 2 Purchasers Requirements Section VI: Technical Specification</p> <p>A. Technical Specifications for Residential/Commercial AMR Water meters</p> <p>B. Bulk Water Meters – Woltman Type</p> <p>C. AMR System (Proposed for future upgrade)</p> <p>D. Software</p> <p>E. Hand Held unit/device</p>	<p>Sir, your tender title and schedule-B is showing your requirement is AMR compatible water meters but in the tender documents technical specifications given for AMR water meters. Please clarify the requirement? Since there is huge difference of cost between these 2 types of meters.</p>	<p>At present bid has been invited for AMR compatible consumer water meters. The bidder can quote price for AMR solution which is kept optional at this stage. Based upon the bids received up-gradation to AMR may be considered. An AMR pilot may be taken up to assess the viability of the solution proposed.</p> <p>The bidder based upon their technology proposed need to assess the requirement and need to provide an unit rate for 15000 meters AMR solution.</p> <p>The price for this item will not be considered for price evaluation under this bid. Only Line Item Nos 1,2 &amp; 3 will be considered for bid evaluation.</p>
53		<p>Part-I, Section III Evaluation &amp; Qualification criteria 2.3 Financial Situation 2.3.3 Financial Resources (i) The Bidder shall demonstrate that it has access to, or has available liquid assets, unencumbered real assets, lines of credit, and other financial means( independent of any contractual advance payment) sufficient to meet the cash flow requirements estimated INR 27 Million for the subject Contract(s)</p>	<p>Whether solvency certificate will demonstrate the same. Pl. confirm.</p>	<p>Yes.</p>

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		<p>net of the bidders other commitment.</p> <p>(ii) The bidders shall also demonstrate, to the satisfaction of the Purchaser, that it has adequate sources of finance to meet the cash flow requirements on contract currently in execution and for future contract commitments.</p>		
54		<p>Part-I, Section III Evaluation &amp; Qualification criteria 2.4 Experience 2.1.1 General Experience</p> <p>The bidder should be in supply of consumer water meters business for at least Ten (10) years prior to the applications submission deadline.</p>	<p>We are into water meter business for last 20 years, but how to define it. Pl. confirm.</p>	<p>Incorporation Certificate and Annual reports in this regard need to be submitted.</p>
55		<p>Part-II, Section VI- Technical Specifications A. Technical Specifications for Residential / Commercial AMR Water Meters: The domestic/commercial type water meters from 15 mm to 40 mm sizes shall be capable of future upgrade with RF (Radio Frequency) based AMR (Automated Meter Reading) technology, directly fitted on the meter &amp; wireless, magnetically coupled, multijet, inferential type, dry dial, IP68 class protection,</p>	<p>The following changes are requested: The domestic/commercial type water meters from 15 mm to 40 mm sizes shall be capable of future upgrade with RF (Radio Frequency) based AMR (Automated Meter Reading) technology, directly fitted on the meter &amp; wireless, magnetically coupled, multijet, inferential type, dry dial, IP68 class protection, Class-'B' or 'C' water meters (screwed ends) manufactured in accordance</p>	<p>Accepted.</p>

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		Class-'B' or 'C' water meters (screwed ends) manufactured in accordance with ISO: 4064 standards & have EEC (European Economic Community) pattern approvals & shall bear EEC marking on meter dial for each size.	with ISO: 4064 standards & have EEC (European Economic Community) pattern approvals & shall bear <b>EEC/OMIL/MID</b> marking on meter dial for each size.	
56		Part-II, Section VI- Technical Specifications A. Technical Specifications for Residential / Commercial AMR Water Meters:  The water meters and compatible retrofitted trans receivers shall have IP 68 protection, i.e. submergence for 48 hours in 3 meter water column. It must have Magnetic tamper proofing against 4000 Gauss Magnet, with 5 inline digits to indicate 99,999 m3 and 2 inline digits to indicate sub multiples.	The following changes are requested:  The water meters and compatible retrofitted trans receivers shall have IP 68 protection, i.e. submergence for 48 hours in 3 meter water column. It must have Magnetic tamper proofing against 4000 Gauss Magnet, with 5 inline digits to indicate 99,999 m3 and 2 inline <b>digits / pointers</b> to indicate sub multiples.	Refer Addendum 2.
57		Part-II, Section VI- Technical Specifications A. Technical Specifications for Residential / Commercial AMR Water Meters:  d) The least count/ resolution of Water meter should be at least 0.05L.	The following changes are requested: d) The least count/ resolution of Water meter should be at least 0.01L.	Accepted.
58		Part II – Section VI - Technical Specification	Sir, please accept Third party inspection at manufactures	3 <sup>rd</sup> party inspection can be taken up in addition to the 1% meters testing

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		<p>3. As a part of the inspection and testing requirements of the products, 1% of the meter supplied in each lot will be sent for accuracy testing at FCRI, Pallakad or any other authorized test benches as deemed fit by client. Based upon the outcome of the test results the lot will be accepted, otherwise the client may have the prerogative of rejecting the total lot and the supplier has to provide replacement of the total lot. The cost of the testing of the 1% sample meter at FCRI, Pallakad, Kerala need to be borne by the supplier.</p>	<p>place before dispatch.</p> <p>Since the water meters are duly ISI/EEC/OMIL/MID certified, the third party inspection can be conducted at manufacturer's place instead of sending 1% samples to FCRI because both the labs are having NABL accreditation.</p>	<p>at FCRI, Pallakad.</p>
59		<p>Part II – Section VI B – Price Schedule Page No.78 &amp; 81</p> <p>Line Item No.4 (Optional) Supply, installation and commissioning of the proposed AMR system of the Bidder. This should include the cost of all the hardware, software, installation, testing, integration with billing and commissioning</p>	<p>Please clarify?</p> <p>Whether the quoted price under this item will be considered during price evaluation.</p>	<p>At present bid has been invited for AMR compatible consumer water meters.</p> <p>The bidder can quote price for AMR solution which is kept optional at this stage.</p> <p>Based upon the bids received up-gradation to AMR may be considered. An AMR pilot may be taken up to assess the viability of the solution proposed.</p> <p>The bidder based upon their technology proposed need to assess the requirement and need to provide an unit rate for 15000 meters AMR solution.</p>

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
				The price for this item will not be considered for price evaluation under this bid. Only Line Item Nos 1,2 & 3 will be considered for bid evaluation.
60		Excise Duty & Customs Duty	Please confirm whether Excise Duty & Customs Duty exemption certificate is availed for this project.	Excise and Custom Duty Exemption is not available. However if some statutory exemption is provided subsequently the same need to be refunded back to client.
61		<b>Installation of water meters:</b> Sir, as per our vast experience in installations of water meters, following items to be needed / required for fixing/installation of water meters as follows: 1. Stop Valve & 2. Non Return Valve etc.	Sir, please clarify the same & request you to incorporate these items separately in BOQ.	The scope of this tender is limited to supply of consumer meters. The installation and other supplies are included under separate contract package which is floated separately (C12a)
62		Price variation clause	Price variation clause is not mentioned in the tender document. There is huge fluctuation in the Dollar Prices, fuel prices, labour charges and material cost which will unnecessarily load the extra cost. Request you to kindly consider the inclusion of price variation clause.	Tender condition prevails.
63		Space for service centre	Please provide free space for establish a local office & service station at Guwahati-Assam within the area.	The local office need to be arranged by bidder. For service station / workshop client will provide a space as indicated in the bid.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
64		Theft and damages of meter after installation	<p>Sir, in this tender you have not specified the custody and responsibility of water meters:</p> <p>The meters before installation will be under the custody of bidder &amp; every type of risk, damage will be to bidder's account. But after the installation of meters at consumer location it will be handed over to consumer &amp; its tampering, theft or damage will not be responsibility of bidder.</p> <p>In fact as per the Municipal Act, after installation of meters its protection/safety is in consumer's responsibility. Pl. confirm.</p>	<p>The scope of this tender is only supply. Post supply custody of meter will be the client / consumer.</p>
65		Installation of water meters:	<p>Sir, as per our vast experience in installations of water meters, we have found lot of resistance by consumers for installation of water meters on connections in household. We would like to request you to please fix the pattern of water meter installation. i.e. whether the meter to be installed just at the entrance or somewhere else. Usually household have water connection in Kitchen or Bathroom and also how the administrative and project authorities will help in such situations? Please clarify.</p>	<p>Installation of meters is not in the scope of the present tender.</p>

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
66		Support from PIU, JICA assisted Guwahati Water Supply Project	Tracing the line in each household will be difficult. Also now here it is mentioned that PIU, JICA assisted Guwahati Water Supply Project official will accompany contractor while meter installation. We request you to kindly mention "while installation of AMR water meters PIU, JICA assisted Guwahati Water Supply Project officials will accompany the contractor in tracing the supply line and also will help contractor to persuade resisting household to install water meters".	Scope of work is only supply. Hence the query is not relevant to this tender.
67	2.4.1 General Experience	The Bidder should be in supply of consumer water meters business for at least ten (10) years prior to the applications submission deadline  Single Entity: Must meet requirement ( in case Bidder is a Dealer then criteria should be met individually both by Dealer and its Manufacturer)	General experience will be considered either of manufacturer or dealer	Refer Addendum 2
68	2.4.2 Specific Experience	The manufacturer / dealer (single entity of JV member) 1 should have past experience of supply of AMR compatible consumer water meters (15-50mm) and bulk meters (50-200mm) of at least	Specific Experience will be considered either of manufacturer or dealer.	Yes.

<sup>1</sup> For contracts under which the Bidder participated as a JV member, only the Bidder's share, by capacity, shall be considered to meet this requirement.

S.No.	Section and Clause No.	Clause	Clarification/Queries	Replies
		<p>12,000 numbers combining all sizes, of the same model as proposed by the Bidder, to a municipality / water authority in India / abroad in a single order in the last 5 years.</p> <p>The bidder must provide proof of satisfactory performance of the water meter supplied from clients.</p> <p>Single Entity: Must Meet Requirement</p>		
69				