



Chennai Metropolitan Water Supply and Sewerage Board

REQUEST FOR PROPOSAL (RFP)

For

**Procurement, Testing, Installation, Commissioning, Operation, and
Maintenance of 1.0 Lakh Smart Water Meters with Associated
Communication and Billing System in Chennai City, under Hybrid
Annuity Model (HAM)**

E-Tender Notice No.: CNT/WSS/NCB/TNIDB/002/2025-26

April 2025

**SUPERINTENDING ENGINEER (CONTRACTS & MONITORING)
CHENNAI METROPOLITAN WATER SUPPLY & SEWERAGEBOARD**

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DISCLAIMER

The information contained in this Request for Proposal document (the "RFP") or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of the Authority or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an Agreement and is neither an offer nor invitation by the Authority to the prospective Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in making their financial offers pursuant to this RFP. This RFP includes statements, which reflect various assumptions and assessments arrived at by the Authority in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This RFP may not be appropriate for all persons, and it is not possible for the Authority, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP. The assumptions, assessments, statements and information contained in the Bidding Documents, may not be complete, accurate, adequate or correct. Each Bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP and obtain independent advice from appropriate sources.

Information provided in this RFP to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein. The Authority, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way for participation in this bidding process.

The Authority also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFP. The Authority may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP.

The issue of this RFP does not imply that the Authority is bound to select a Bidder or to appoint the Selected Bidder or Concessionaire, as the case may be, for the Project and the Authority reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the Authority or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and the Authority shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

GLOSSARY

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Application | As defined in the Disclaimer |
| Associate | As defined in Clause 2.1.16 |
| Authority | As defined in Clause 1.1.1 |
| Average Annual Turnover | As defined in Clause 2.2.5 (ii) |
| Bank Guarantee | As defined in Clause 2.21.1 |
| Bid(s) | As defined in Clause 1.2.2 |
| Bidders | As defined in Clause 1.2.2 |
| Bidding Documents | As defined in Clause 1.1.7 |
| Bid Due Date | As defined in Clause 1.1.7 |
| Bidding Process | As defined in Clause 1.2.1 |
| Bid Security | As defined in Clause 1.2.4 |
| Bid Price | As defined in Clause 1.2.6 |
| CMWSSB | As defined in Clause 1.1.1 |
| Concession | As defined in Clause 1.1.5 |
| Concession Agreement | As defined in Clause 1.1.3 |
| Concessionaire | As defined in Clause 1.1.3 |
| Conflict of Interest | As defined in Clause 2.2.1 |
| Consortium | As defined in Clause 2.2.1 |
| Damages | As defined in Clause 2.2.1 |
| Financial Capacity | As defined in Clause 2.2.4 (B) |
| Financial Bid | As defined in Clause 1.2.1 |
| GoTN | Government of Tamil Nadu |
| Gol | Government of India |
| Government | Government of India/Tamil Nadu |
| HSC | Housing Service Connection including commercial and all types of connections |
| Jt. Bidding Agreement | As defined in Clause 2.1.15 |
| Lead Member | As defined in Clause 2.1.15 |
| Lowest Bidder | As defined in Clause 1.2.6 |
| LOA | As defined in Clause 3.8.5 |
| Member | Member of a Consortium |
| Net Worth | As defined in Clause 2.2.5 |
| NPV | Net Present Value |
| O&M | Operation and Maintenance |
| O&M Capacity | As defined in Clause 2.2.4 |
| PPP | Public Private Partnership |
| Project | As defined in Clause 1.1.2 |
| Qualification | As defined in Clause 2.2 |
| Re. or Rs. or INR | Indian Rupee |
| RFP or Request for Proposals | As defined in the Disclaimer |
| Selected Bidder | As defined in Clause 3.8.1 |
| SPV | As defined in Clause 2.1.15 |
| Technical Bid | As defined in Clause 1.2.1 |
| Technical Capacity | As defined in Clause 2.2.4 (A) |
| Threshold Technical Capability | As defined in Clause 2.2.4 (A) |
| The words and expressions beginning with capital letters and defined in this document shall, unless repugnant to the context, have the meaning ascribed thereto hereinabove. | |

DATA SHEET

| | | |
|-----|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Name of the Project | Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of 1.0 Lakh Smart Water Meters with Associated Communication and Billing System in Chennai City, under Hybrid Annuity Model (HAM) |
| 2. | Tender issued by/ Agreement signing Authority | CHENNAI METROPOLITAN WATER SUPPLY & SEWERAGE BOARD (CMWSSB) |
| 3. | Procurement stages | Single Stage |
| 4. | Bid Security | Rs. 5,00,00,000 (Rupees Five Crore only) through online transfer on e-procurement portal or in the form of Bank Guarantee |
| 5. | Bid Document availability on portal i.e. start date & time of issue of RFP document | Start date at 11.04.2025 , on the portal https://www.tntenders.gov.in/ |
| 6. | Site Visit | Visit to the Site by the Bidders will be facilitated by the Authority. Bidders interested in visiting the Site are required to send an email to secandm@cmwssb.in specifying the date and time. |
| 7. | Pre-Bid Meeting | The Pre-Bid meeting would be held at the conference hall on 4th Floor of CMWSSB, at No.1, Pumping Station Road, Chintadripet, Chennai - 02 on the following date at 11.30 AM hours IST: Pre-bid Meeting : 28.04.2025 |
| 8. | Last Date and Time for submission of queries | Date: 27.04.2025 Time: 15.00 Hrs Mode: Email to secandm@cmwssb.in (on Bidder's letter head in pdf and doc format) |
| 9. | Response to Pre-Bid Queries | Date: 08.05.2025 Time: 17.00 Hrs Mode: Shall be uploaded in the tender portal |
| 10. | Last date and time of Submission of Bids | Last Date for submission of Technical Bid and Financial Bid (online): 21.05.2025 up to 15.00 hours IST. |
| 11. | Date and Time for opening of Technical Bids | 22.05.2025 at 15.30 hours IST at online |

| | | |
|-----|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12. | Date for Technical Presentation | If required in the RFP, it shall be notified. |
| 13. | Opening of Financial Bids | Shall be Notified |
| 14. | Details for submission of queries | All queries may be sent through Email to secandm@cmwssb.in (on Bidder's letter head in pdf and doc format) |
| 15. | Website details | Replies to queries/ clarifications/ addendum/ corrigendum etc. shall be posted on the following websites: https://www.tntenders.gov.in |

1 INTRODUCTION

1.1 Background

- 1.1.1 The Chennai Metropolitan Water Supply & Sewerage Board ('**CMWSSB**' or the '**Authority**') is a statutory body constituted under the Chennai Metropolitan Water Supply & Sewerage Act, 1978 and Chennai Metropolitan Water Supply & Sewerage Act (Second Amendment) 2012, having its registered office at No.1, Pumping Station Road, Chintadripet, Chennai 600 002. The Authority is responsible for planning, designing, execution and operation of water supply and wastewater management facilities within its jurisdiction in the Chennai Metropolitan Area.

The Authority's vision is to be an environmentally sensitive provider of quality, reliable, and reasonably priced drinking water and wastewater collection and treatment system services. The Authority is committed to providing safe drinking water and efficient sewerage services in an equitable and sustainable manner and to become an accountable service provider which will also include 24/7 water supply and financial sustainability and accountability, improved services to the poor, Customer Orientation and Human Resources Development, Environmental Sustainability and Enhancing Operational Efficiency.

As part of the Chennai City Partnership Program, CMWSSB is implementing several initiatives to enhance service delivery and improved management of water distribution by upgrading the Water Supply System and Network Improvement to, achieve continuous and pressurized water supply, significantly reducing Non-Revenue Water (NRW), conserving energy, improving water quality and collection efficiency of revenue and extension of water supply in the unserved areas in its jurisdiction.

- 1.1.2 **The Project:** The Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) has made investments in Desalination plants and Tertiary sewage treatment facilities, and hence the cost of water production is high. Therefore, there is a need for judicious use and conservation of limited available and expensive water. In this context, CMWSSB has taken up a Demand Management program by expanding the Consumer water metering program. Consumers are also classified as Domestic, Partly Commercial, Commercial, Industrial, Institutional and Municipal Bulk Supply, based on the nature of water usage activity of the consumers. As part of this project, it is proposed that certain categories of consumers, namely, Commercial, Partly Commercial, multi storied buildings and individual buildings measuring more than 2,500 Sq.ft., Private Institutions and Industries, shall be metered.

The Project Area: The service connections proposed to be metered are spread across the 15 CMWSSB Areas. The profile of the Project Area and the Area Wise number of connections across different categories of consumers is provided in Appendix VIII

The Concession: CMWSSB intends to appoint a private Concessionaire for Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of Smart Water Meters (Electromagnetic/ Ultrasonic AMI Meters) and Associated Communication and Billing System through Public Private Partnership (the "**PPP**") on Design, Build, Finance, Operate and Transfer ("**DBFOT Annuity** or **Hybrid Annuity**") basis for a period of **12** Years including 2 (two) years of progressive installation (hereinafter referred to as the "**Project**") in the areas as per technical requirement specified in Appendix VII and in the locations as specified in Appendix VIII. The development obligations of the Concessionaire are as follows:

- i. Conduct studies, analysis and assessment of the conditions prevailing in the Service Area, to be conducted by the Concessionaire, during the Study period along with the preparation of the CIP. The study shall include review of the Consumer data available with the Authority, the existing billing and collection systems of the Authority and systems associated with the same.
- ii. Prepare Network design for gateways / IOT, billing system, set up customer relationship management centre and submit procurement, construction and operations plan;
- iii. Creating awareness among the consumers on the metering programme along with the Authority.
- iv. Installation of Smart Water Meter (AMI water electromagnetic/ Ultrasonic meters DN15/20 to DN40 having no moving parts and confirming to ISO4064/MID) approved including construction of Meter Chambers wherever required;
- v. Replacement of mechanical meter and installation of Smart Water Meter wherever required;
- vi. Reading of meters every month and integration of the read data with the Authority software for generating bills automatically. Current Billing Cycle is 26th of previous month to 25th of current month and readings should be integrated on or before 28th of the same month.
- vii. Serve the demand notice (prepared by CMWSSB) to the consumers, both in digital form, on a monthly basis.
- viii. To maintain opening & closing readings and consumption on daily basis
- ix. Attend to consumer complaints as directed by the Authority and set up mechanisms and offices for the same
- x. Periodic maintenance of meters and replacement of defective meters during the Concession Period;
- xi. Set up web based and mobile applications wherein customers can login and monitor the daily readings and also to maintain database;
- xii. Provide testing facilities as per IS and the testing facilities should be NABL accredited to test meters in case of consumer complaints. The Authority shall provide the necessary space for setting up the testing facilities at one of its premises;
- xiii. The concessionaire shall design, install, and integrate the Smart Meter Infrastructure (SMI) system. This includes ensuring robust communication and facilitating data flow between the SMI's Field Area Network and the Head End System. All requisite equipment and software, such as data concentrators and repeaters to handheld units and meter-specific software, shall fall under the concessionaire's scope.
- xiv. The concessionaire is also responsible for communication, data gathering, and data management components, charged on a per-meter basis. The proposed SMI must seamlessly integrate with the Meter Data Management System (MDMS), billing systems, and other relevant applications.
- xv. Generally, do such things as needed to ensure accurate metering and billing during the Concession Period;

For the purpose of this Project, Smart Water Meters refers to AMI Smart Water Electromagnetic/ Ultrasonic meters (DN15/20 to DN40) having no moving parts and confirming to ISO4064/ MID approved in Chennai city with associated communication systems and billing software and hardware.

For the avoidance of any doubt, the collection of payments against the bills generated by the Concessionaire is the responsibility of the Authority and the Concessionaire will not be responsible for collection.

The overall scope of work of the Concessionaire is as follows:

- a) Planning, designing and engineering of the Project
- b) Financing of the Project upto 40% of the Bid Project Cost (Construction/Installation).
- c) Procurement of equipment and materials required for the Project
- d) Construction and commissioning of the Project
- e) Operation and maintenance of the Project during the Operation Period
- f) Compliance with all Applicable Laws
- g) Fulfilment of the KPIs
- h) Transfer of the Project Assets to the Authority upon expiry or early termination of the Concession Agreement

The development requirements and detailed description of the scope of work for the Software Service provider are provided in Schedule B of Volume II (Draft Concession Agreement). Bidders are requested to go through the same for further details.

The Authority now invites bids for the project, the brief particulars of which are as follows:

| Name of the Project | Scope of the Project |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of Smart Water Meters with associated communication systems, billing software and hardware in Chennai City, under Hybrid Annuity Model (HAM) for a period of 12 Years including 2 years of Progressive installation | <p>Scope: The scope of work will broadly include Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of Smart Water Meters (Electromagnetic/ Ultrasonic AMI Meters) along with associated communication systems, billing software and hardware as per technical requirement specified in Appendix VII and in the areas as specified in Appendix VIII.</p> <p>Development Period leading to Appointed Date – 90 Days from the date of signing of the Concession Agreement</p> <p>Construction Period leading to COD: 2 Years from the Appointed Date</p> <p>Operation Period: 10 Years from COD</p> |

The Authority intends to award the Project through an open competitive bidding process set out herein and in compliance with the following:

- a) Tamil Nadu Transparency in Tenders Act, 1998;
- b) Tamil Nadu Transparency in Tenders Rules 2000;
- c) Tamil Nadu Transparency in Tenders (Public Private Partnership Procurement) Rules 2012;
- d) Tamil Nadu Infrastructure Development Act, 2012;
- e) Tamil Nadu Infrastructure Development Rules, 2012; and
- f) Tamil Nadu Infrastructure Development Regulations, 2013

- 1.1.3 The Selected Bidder, who is either a company incorporated under the Companies Act, 1956/2013 or its substitute thereof or undertakes to incorporate as such before execution of the concession agreement (the “**Concessionaire**”), shall be responsible for designing, engineering, financing, procurement, construction, operation and maintenance of the Project under and in accordance with the provisions of a concession agreement (the “**Concession Agreement**”) to be entered into between the Concessionaire and the Authority in the form provided by the Authority as part of the Bidding Documents pursuant thereto.

- 1.1.4 The scope of work will broadly include Procurement, Testing, Installation, Commissioning, Operation and Maintenance of Smart Water Meters (Electromagnetic/ Ultrasonic AMI Meters) in the areas as per technical requirement specified in Appendix VII and in the areas as specified in Appendix VIII and its subsequent development and augmentation in accordance with Concession Agreement and its Schedules.
- 1.1.5 The Concession Agreement sets forth the detailed terms and conditions for grant of the concession to the Concessionaire, including the scope of the Concessionaire's services and obligations (the "**Concession**").
- 1.1.6 The statements and explanations contained in this RFP are intended to provide a better understanding to the Bidders about the subject matter of this RFP and should not be construed or interpreted as limiting in any way or manner the scope of services and obligations of the Concessionaire set forth in the Concession Agreement or the Authority's rights to amend, alter, change, supplement or clarify the scope of work, the Concession to be awarded pursuant to this RFP or the terms thereof or herein contained. Consequently, any omissions, conflicts or contradictions in the Bidding Documents including this RFP are to be noted, interpreted and applied appropriately to give effect to this intent, and no claims on that account shall be entertained by the Authority.
- 1.1.7 The Authority shall receive Bids pursuant to and in accordance with the terms set forth in this RFP and other documents to be provided by the Authority pursuant to this RFP (collectively the "**Bidding Documents**"), and all Bids shall be prepared and submitted in accordance with such terms on or before the Bid due date specified in Clause 1.3 for submission of Bids (the "**Bid Due Date**").

1.2 **Brief description of Bidding Process**

- 1.2.1 The Authority has adopted a single stage two envelop process (referred to as the "**Bidding Process**") for selection of the Bidder for award of the Project. Eligibility and qualification of the Bidder will be first examined based on the details submitted under first envelop ("**Technical Bid**") with respect to eligibility and qualifications criteria prescribed in this RFP. (The "**Bidder**", which expression shall, unless repugnant to the context, include the members of the Consortium). The Financial Bid under the second envelop ("**Financial Bid**") shall be opened of only those Bidders whose Technical Bids are responsive to eligibility and qualifications requirements as per this RFP.
- 1.2.2 Interested bidders (the "**Bidders**") are being called upon to submit their Bid in accordance with the terms specified in this Bidding Document. The Bid shall be valid for a period of 180 days from the date specified in Clause 1.3 for submission of Bids (the "**Bid Due Date**"). The Technical Bid and Financial Bid shall collectively be referred as Bid (the "**Bid**").
- 1.2.3 The complete Bidding Documents including the draft agreement for the Project is enclosed for the Bidders Subject to the provisions of Clause 2.1.3, the aforesaid documents and any addenda issued subsequent to this RFP Document, will be deemed to form part of the Bidding Documents.
- 1.2.4 A Bidder is required to deposit, along with its Bid, a Bid Security for an amount as mentioned in Data Sheet above (the "**Bid Security**"), refundable not later than 180 (one hundred eighty) days from the Bid Due Date, except in the case of the Selected Bidder whose Bid Security shall be retained till it has provided a Performance Security under the Agreement. The Bidders shall provide Bid Security in the form of online transfer through e-procurement portal or Bank Guarantee acceptable to the Authority,

and in such event, the validity period of the Bank Guarantee shall not be less than 180 (one hundred and Eighty) days from the Bid Due Date with a claim period of 60 (sixty) days, and may be extended as may be mutually agreed between the Authority and the Bidder from time to time. The Bid shall be summarily rejected if it is not accompanied by the Bid Security.

- 1.2.5 The Bidders are advised to examine the Project in greater detail, and to carry out, at their cost, such studies as may be required for submitting their respective Bids for award of the contract including implementation of the Project.

1.2.6 **Bid Parameter:**

- A. Bids are invited on the basis of the lowest Bid Price. The Concession Period is pre-determined. The Bid Price shall constitute the sole criteria for evaluation of Bids. In this RFP, the term “**Lowest Bidder**” shall mean the Bidder whose Bid Price is the lowest;

Bid Price shall mean, unless repugnant to the context, the amount quoted by the Bidder for components mentioned in 1.2.6 (B) and it is calculated as per the formula mentioned in the Bid Price Sheet.

- B. The Bidder will be required to quote separately for the below components in the Bid Price Sheet:

- i. Bid Project Cost: The Bidder must provide a break-up of the Bid Project Cost for all of the Project Assets specified in the Bid Price Sheet;
- ii. First Year O&M Cost: The Bidder must provide a break-up of the O&M Charges for all of the Project Assets specified in the Bid Price Sheet, wherever applicable for the first year of operation post COD.
- iii. Based on the above components quoted by the Bidders in the Bid Price Sheet, the Bid Price will be calculated as per the formula in the Bid Price Sheet.

- 1.2.7 Generally, the Lowest Bidder shall be the Selected Bidder. In the event the lowest bidder withdraws or is not selected for any reason whatsoever, the process specified in Clause 3.8.4 of this RFP shall be followed.

- 1.2.8 Deleted.

- 1.2.9 The Concessionaire shall be entitled to collect revenues in accordance with the provisions of the Concession Agreement.

- 1.2.10 Other details of the process to be followed under this bidding process and the terms thereof are spelt out in this RFP.

- 1.2.11 Any queries or request for additional information concerning this RFP shall be submitted by e-mail to the officer designated as mentioned in Data Sheet above with identification/ title: "Queries/Request for Additional Information:

RFP for Selection of Concessionaire for Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of Smart Water Meters (Electromagnetic/ Ultrasonic AMI Meters) and Associated Communication and Billing System in Chennai City, under Hybrid Annuity Model (HAM)."

1.3 Schedule of Bidding Process

| Sr. No | Event Description | Date |
|---------------|----------------------------------------------------------|------------------------------|
| 1. | Invitation of RFP (NIT) | 08 th April, 2025 |
| 2. | Last date for receiving queries | 25 th April, 2025 |
| 3. | Pre-Bid meeting at venue mentioned in the Data Sheet | 28 th April, 2025 |
| 4. | Authority response to queries latest by | 8 th May, 2025 |
| 5. | Last Date of Request for Bid Documents | 12 th May, 2025 |
| 6. | Date of submission of Tender/Bid (online) - Bid Due Date | 21 st May, 2025 |
| 7. | Opening of Technical Bids | 22 nd May, 2025 |
| 8. | Declaration of eligible / qualified Bidders | To be informed |
| 9. | Opening of Financial Bid | To be informed |
| 10. | Date of issue of Letter of Award (LOA) | To be informed |
| 11. | Return of signed duplicate copy of LOA | To be informed |
| 12. | Validity of Bid | As per tender conditions |
| 13. | Incorporation of SPV by the Selected Bidder | To be informed |
| 14. | Signing of Agreement | To be informed |

2 INSTRUCTIONS TO BIDDERS

A. GENERAL

2.1 General terms of Bidding

- 2.1.1 No Bidder shall submit more than one Bid for the Project. A Bidder bidding individually or as a member of a Consortium shall not be entitled to submit another Bid either individually or as a member of any Consortium, as the case may be.
- 2.1.2 An international Bidder bidding individually or as a member of a Consortium shall ensure that the Power of Attorney is legalised/apostille by an appropriate authority notarised in the jurisdiction where the Power of Attorney is being issued and that the requirement of the Indian Stamp Act is duly fulfilled.
- 2.1.3 The information contained in Bidding Documents about the Project is being provided only as a preliminary reference document by way of assistance to the Bidders who are expected to carry out their own surveys, investigations and other detailed examination of the Project before submitting their Bids. Nothing contained in the Bidding Documents shall be binding on the Authority nor confer any right on the Bidders, and the Authority shall have no liability whatsoever concerning or arising out of any or all contents of the Bidding Documents.
- 2.1.4 Notwithstanding anything to the contrary contained in this RFP, the detailed terms specified in the draft concession agreement shall have overriding effect; provided, however, that any conditions or obligations imposed on the Bidder hereunder shall continue to have effect in addition to its obligations under the Concession Agreement.
- 2.1.5 The Bid shall be furnished in the format exactly as per Appendix-I i.e. Technical Bid as per Appendix IA and Financial Bid as per Appendix IB. Bid amount shall be indicated clearly in both figures and words, in Indian Rupees, in the prescribed format of the Financial Bid and shall be signed by the Bidder's authorised signatory.
- 2.1.6 The Bidder shall deposit a Bid Security for an amount as mentioned in Data Sheet above, in accordance with the provisions of this RFP. The Bidders will have an option to provide Bid Security in the form of online transfer through e-procurement portal or Bank Guarantee acceptable to the Authority, as per the format at Appendix-II. The Bidders shall also make online payment to the Authority towards the Tender Processing Fee mentioned in the Data Sheet above.
- 2.1.7 The validity period of the Bid Security shall not be less than 180 (one hundred and eighty) days from the Bid Due Date with a claim period of 60 (Sixty) days and may be extended as may be mutually agreed between the Authority and the Bidder. The Bid shall be summarily rejected if it is not accompanied by the Bid Security. The Bid Security shall be refundable no later than 180 (one hundred and eighty) days from the Bid Due Date except in the case of the Selected Bidder whose Bid Security shall be retained till it has provided a Performance Security under the Agreement.
- 2.1.8 The Bidder should submit a Power of Attorney in the format in Appendix-III authorising the bid signatory to commit to the Bidder.

- 2.1.9 In case the Bidder is a Consortium, the Members thereof should furnish a Power of Attorney in favour of any Member, which Member shall thereafter be identified as the Lead Member, in the format at Appendix – IV¹. In case the Bidder is a Consortium, Joint Bidding Agreement in the format at Appendix V shall be submitted by the Bidder.
- 2.1.10 Any condition or qualification or any other stipulation contained in the Bid shall render the Bid liable to rejection as a non-responsive Bid.
- 2.1.11 The Bid and all communications in relation to or concerning the Bidding Documents and the Bid shall be in English language.
- 2.1.12 The Bidding documents including this RFP and all attached documents, provided by the Authority are and shall remain or become the property of the Authority and are transmitted to the Bidders solely for the purpose of preparation and the submission of a Bid in accordance herewith. Bidders are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their Bid. The provisions of this Clause 2.1.12 shall also apply mutatis mutandis to Bids and all other documents submitted by the Bidders, and the Authority will not return to the Bidders any Bid, document or any information provided along therewith.
- 2.1.13 This RfP is not transferable.
- 2.1.14 Any award of Project pursuant to this RFP shall be subject to the terms of Bidding Documents.
- 2.1.15 Where the Bidder is a single entity, it shall be required to form an appropriate Special Purpose Vehicle, incorporated under the Indian Companies Act 2013 (the “**SPV**”), to execute the Concession Agreement and implement the Project. In case the Bidder is a Consortium, it shall, in addition to forming an SPV, comply with the following additional requirements:
- a. Number of members in a Consortium shall not exceed 3(three). None of the members in a Consortium should be under any sort of ineligibility under the Bid documents;
 - b. subject to the provisions of clause (a) above, the Bid should contain the information required for each member of the Consortium;
 - c. the Consortium Members whose Technical Capacity and Financial Capacity have been submitted for qualifying in this Bid shall subscribe and hold until the 2nd (second) anniversary of the date of commercial operation of the Project, equity share capital in a manner that: (i) the Member whose Technical Capacity had been evaluated shall hold not less than 51% (fifty one percent) of the subscribed and paid-up equity of the Concessionaire and the Member whose Financial Capacity had been evaluated shall hold not less than 26% (twenty six percent) of the subscribed and paid-up equity of the Concessionaire and (ii) together all the members of the Consortium shall hold 100% (hundred percent) of the subscribed and paid-up equity of the Concessionaire. After the third anniversary of the date of the commercial operation of the Project, the Consortium Members whose Financial Capacity had been evaluated shall be permitted to exit the

¹In case of a Consortium, the Members should submit a Power of Attorney in favour of the any Member as per the format as Appendix-IV. Such Member shall thereafter be identified as the Lead Member. The Lead Member should submit a power of Attorney as per the format in Appendix-III, authorising the signatory of the Bid. Members of the Consortium of need not submit Power of Attorney as per the format at Appendix-III, authorising the signatory of the Bid.

Concessionaire. The Member whose Technical Capacity in relation to O&M experience had been evaluated shall continue to hold not less than 26% (twenty-six percent) of the subscribed and paid-up equity of the Concessionaire. Provided further that the Consortium Members shall together continue to hold 51% (fifty-one percent) of the subscribed and paid-up equity of the Concessionaire of which the Member whose Technical Capacity in relation to O&M experience had been evaluated, shall hold not less than 26% (twenty-six percent) of the subscribed and paid-up equity of the Concessionaire;

- d. members of the Consortium shall nominate one member as the lead member (the "Lead Member"), who shall have an equity shareholding of at least 26% (twenty six per cent) of the paid up and subscribed equity of the SPV. The nomination(s) shall be supported by a Power of Attorney, as per the format at Appendix-IV, signed by all the other members of the Consortium;
- e. the Bid should include a brief description of the roles and responsibilities of individual members, particularly about financial, technical and O&M obligations;
- f. an individual Bidder cannot at the same time be a member of a Consortium applying for this RFP. Further, a member of a particular Bidder Consortium cannot be a member of any other Bidder Consortium applying for this RFP;
- g. the members of a Consortium shall form an appropriate SPV to execute the Project, if awarded to the Consortium;
- h. members of the Consortium shall enter into a binding Joint Bidding Agreement, substantially in the form specified in Appendix-V (the "**Jt. Bidding Agreement**"), to submit a Bid. The Jt. Bidding Agreement, to be submitted along with the Bid, shall, inter alia:
 - i. convey the intent to form an SPV, solely to domicile the Project and no other purpose, with shareholding/ ownership equity commitment(s) in accordance with this RFP, which would enter into the Concession Agreement and subsequently perform all the obligations of the Concessionaire in terms of the Concession Agreement, in case the concession to undertake the Project is awarded to the Consortium;
 - ii. clearly outline the proposed roles and responsibilities, if any, of each member;
 - iii. commit the minimum equity stake to be held by each member;
 - iv. commit that each of the members, whose experience will be evaluated for this RFP, shall subscribe to 26% (twenty-six per cent) or more of the paid-up and subscribed equity of the SPV and shall further commit that each such member shall, for 36 (thirty six) months from the date of commercial operation of the Project, hold equity share capital not less than 26% (twenty-six per cent) of the subscribed and paid up equity share capital of the SPV;
 - v. members of the Consortium undertake that they shall collectively hold at least 51% (fifty-one per cent) of the subscribed and paid-up equity of the SPV for the entire duration of the project; and
 - vi. include a statement to the effect that all members of the Consortium shall be liable jointly and severally for all obligations of the Concessionaire in relation to the Project until the Financial Close of the Project is achieved in accordance with the Concession Agreement; and

- i. except as provided under this RFP and the Bidding Documents, there shall not be any amendment to the Jt. Bidding Agreement without the prior written consent of the Authority.

2.1.16 In computing the Technical Capacity, O&M Capacity and Net Worth of the Bidder/ Consortium Members under Clauses 2.2.4, 2.2.5 and 3.4, the Technical Capacity (Implementation and O&M Capacity) and Net Worth of their respective Associates would also be eligible hereunder. For purposes of this RFP, Associate means, in relation to the Bidder/ Consortium Member, a person who controls, is controlled by, or is under the common control with such Bidder/ Consortium Member (the “**Associate**”). As used in this definition, the expression “control” means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 50% (fifty per cent) of the voting shares of such person, and with respect to a person which is not a company or corporation, the power to direct the management and policies of such person by operation of law. It is clarified that a certificate from a qualified external auditor who audits the book of accounts of the Bidder or the Consortium Member shall be provided to demonstrate that a person is an Associate of the Bidder or the Consortium as the case may be.

2.1.17 The following conditions shall be adhered to while submitting a Bid:

- a. Bidders should attach clearly marked and referenced continuation sheets in the event that the space provided in the prescribed forms in the Annexes is insufficient. Alternatively, Bidders may format the prescribed forms making due provision for incorporation of the requested information;
- b. information supplied by a Bidder (or other constituent Member if the Bidder is a Consortium) must apply to the Bidder, Member or Associate named in the Bid and not, unless specifically requested, to other associated companies or firms;
- c. in responding to the RFP submissions, Bidders should demonstrate their capabilities in accordance with Clause 3.4 below; and
- d. in case the Bidder is a Consortium, each Member should substantially satisfy the RFP requirements to the extent specified herein.

2.1.18 While Qualification is open to persons from any country, the following provisions shall apply:

- a. Where, on the date of the Bid, not less than 50% (fifty percent) of the aggregate issued, subscribed and paid up equity share capital in a Bidder or its Member is held by persons resident outside India or where an Bidder or its Member is controlled by persons resident outside India; or
- b. if at any subsequent stage after the date of the Bid, there is an acquisition of not less than 50% (fifty percent) of the aggregate issued, subscribed and paid up equity share capital or control, by persons resident outside India, in or of the Bidder or its Member;

then the Eligibility and / or opening of Financial Bid and or award of the Project to such Bidder shall be subject to approval of the Authority from national security and public interest perspective. The decision of the Authority in this behalf shall be final and conclusive and binding on the Bidder.

The holding or acquisition of equity or control, as above, shall include direct or indirect holding/ acquisition, including by transfer, of the direct or indirect legal or beneficial ownership or control, by persons acting for themselves or in concert and in determining such holding or acquisition, the Authority shall be guided by the principles, precedents and definitions contained in the Securities and Exchange Board of India (Substantial Acquisition of Shares and Takeovers) Regulations, 2011, or any substitute thereof, as in force on the date of such acquisition.

The Bidder shall promptly inform the Authority of any change in the shareholding, as above, and failure to do so shall render the Bidder liable for disqualification from the Bidding Process.

- 2.1.19 Notwithstanding anything to the contrary contained herein, if the Bid Due Date falls within three months of the closing of the latest financial year of a Bidder, it shall ignore such financial year for the purposes of its Bid and furnish all its information and certification with reference to the 7 (seven) years or 1 (one) year, as the case may be, preceding its latest financial year. For the avoidance of doubt, financial year shall, for the purposes of a Bid hereunder, mean the accounting year followed by the Bidder in the course of its normal business.

2.2 Eligibility and qualification requirements of Bidder

- 2.2.1 For determining the eligibility of Bidder the following shall apply:

- a. The Bidder may be a single entity or a group of entities (the “**Consortium**”), coming together to implement the Project. However, no Bidder applying individually or as a member of a Consortium, as the case may be, can be member of another Bidder. The term Bidder used herein would apply to both a single entity and a Consortium.
- b. Bidder may be a private entity, or a combination of private entities with a formal intent to enter into a Joint Bidding Agreement or under an existing agreement to form a Consortium. A Consortium shall be eligible for consideration subject to the conditions set out in Clause 2.1.15.
- c. A Bidder shall not have a conflict of interest (the “**Conflict of Interest**”) that affects the Bidding Process. Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, the Authority shall be entitled to forfeit and appropriate 5% of the value of the Bid Security or an equivalent amount from the Performance Security, as the case may be, as mutually agreed genuine pre-estimated loss and damage likely to be suffered and incurred by the Authority and not by way of penalty for, inter alia, the time, cost and effort of the Authority, including consideration of such Bidder’s proposal (the “**Damages**”), without prejudice to any other right or remedy that may be available to the Authority under the Bidding Documents and/or the Concession Agreement or otherwise. Without limiting the generality of the above, a Bidder shall be deemed to have a Conflict of Interest affecting the Bidding Process, if:
 - i. The Bidder, its Member or Associate (or any constituent thereof) and any other Bidder, its Member or any Associate thereof (or any constituent thereof) have common controlling shareholders or other ownership interest; provided that this disqualification shall not apply in cases where the direct or indirect shareholding of a Bidder, its Member or an Associate thereof (or any shareholder thereof having a shareholding of not more than 25%(twenty five

percent) of the paid up and subscribed capital; of such Bidder, Member or Associate, as the case may be) in the other Bidder, its Member or Associate, is not more than 25% (Twenty five percent) of the subscribed and paid up equity share capital thereof; provided further that this disqualification shall not apply to any ownership by a bank, insurance company, pension fund or a public financial institution referred to in section 4A of the Companies Act, 1956/2013. For the purposes of this Clause 2.2.1(c), indirect shareholding held through one or more intermediate persons shall be computed as follows: (aa) where any intermediary is controlled by a person through management control or otherwise, the entire shareholding held by such controlled intermediary in any other person (the "Subject Person") shall be taken into account for computing the shareholding of such controlling person in the Subject Person; and (bb) subject always to sub-clause (aa) above, where a person does not exercise control over an intermediary, which has shareholding in the Subject Person, the computation of indirect shareholding of such person in the Subject Person shall be undertaken on a proportionate basis; provided, however, that no such shareholding shall be reckoned under this sub-clause (bb) if the shareholding of such person in the intermediary is less than 26% of the subscribed and paid up equity shareholding of such intermediary; or

- ii. a constituent of such Bidder is also a constituent of another Bidder; or
- iii. such Bidder, its Member or any Associate thereof receives or has received any direct or indirect subsidy, grant, concessional loan or subordinated debt from any other Bidder, its Member or Associate, or has provided any such subsidy, grant, concessional loan or subordinated debt to any other Bidder, its Member or any Associate thereof; or
- iv. such Bidder has the same legal representative for purposes of this Bid as any other Bidder; or
- v. such Bidder, or any Associate thereof, has a relationship with another Bidder, or any Associate thereof, directly or through common third party/ parties, that puts either or both of them in a position to have access to each other's information about, or to influence the Bid of either or each other; or
- vi. such Bidder or any Associate thereof has participated as a consultant to the Authority in the preparation of any documents, design or technical specifications of the Project.
- vii. Such Bidder or any Associate thereof has appointed any official of the Authority, Advisors of Authority for the Project, Legal Advisors of Authority for the Project, Financial Advisors of Authority for the Project, dealing with the Project, within 1 year from the date of award of the Project to that Bidder.

Explanation: In case a Bidder is a Consortium, then the term Bidder as used in this Clause 2.1.12, shall include each Member of such Consortium.

For purposes of this RFP, Associate means, in relation to the Bidder/Consortium Member, a person who controls, is controlled by, or is under the common control with such Bidder/Consortium Member (the "Associate"). As used in this definition, the expression "control" means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 50% (fifty percent) of the voting shares of such person, and with respect to a person which is not a

company or corporation, the power to direct the management and policies of such person by operation of law.

- d. A Bidder shall be liable for disqualification and forfeiture of Bid Security if any legal, financial or technical adviser of the Authority in relation to the Project is engaged by the Bidder, its Members or any Associate thereof, as the case may be, in any manner for matters related to or incidental to such Project during the Bidding Process or subsequent to the (i) issue of the LOA or (ii) execution of the Concession Agreement. In the event any such adviser is engaged by the Selected Bidder or Concessionaire, as the case may be, after issue of the LOA or execution of the Concession Agreement for matters related or incidental to the Project, then notwithstanding anything to the contrary contained herein or in the LOA or the Concession Agreement and without prejudice to any other right or remedy of the Authority, including the forfeiture and appropriation of the Bid Security or Performance Security, as the case may be, which the Authority may have thereunder or otherwise, the LOA or the Concession Agreement, as the case may be, shall be liable to be terminated without the Authority being liable in any manner whatsoever to the Selected Bidder or Concessionaire for the same. For the avoidance of doubt, this disqualification shall not apply where such adviser was engaged by the Bidder, its Member or Associate in the past but its assignment expired or was terminated 6 (six) months prior to the date of issue of RFP for the Project. Nor will this disqualification apply where such adviser is engaged after a period of 3 (three) years from the date of commercial operation of the Project.

Notwithstanding anything to the contrary contained in sub-clause (c) (i) of Clause 2.2.1, a Bidder may, within 10 (ten) days after the Bid Due Date remove from its Consortium any Member who suffers from a Conflict of Interest, and such removal shall be deemed to cure the Conflict of Interest arising in respect thereof. However, his financial bid shall not be opened.

Provided further, in case the Authority seeks information / clarification from a Bidder related to occurrence / non-occurrence of Conflict of Interest and the Bidders fails to provide such information within a reasonable time, the Authority shall disqualify the Bidders Encash its Bid Security as per provision of Clause 2.21.7 (a) and further debar it from participation in any future procurement process for a minimum period of 1 year.

Further, bidders or member of consortium should not be in the list of ineligible firms published by the World Bank, available on <https://www.worldbank.org/en/projects-operations/procurement/debarred-firms>

- e. For determining the eligibility of Bidder from a country which shares a land border with India the following shall apply:
- i. Any Bidder from a country which shares a land border with India will be eligible to bid, only if the Bidder is registered with the Competent Authority, specified in Annexure-I of Order (Public Procurement No. 1) issued by Ministry of Finance, Department of Expenditure Public Procurement Division vide F. No. 6/18/2019-PPD, dated 23rd July 2020, and more so specified in G.O.Ms.No.343, dated 18th September 2020 issued by Finance (Salaries) Department, Govt. of Tamil Nadu which shall form an integral part of RFP and DCA.

- ii. “Bidder from a country which shares a land border with India” means:
 - a. An entity incorporated, established or registered in such a country, or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose beneficial owner is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or
 - f. A natural person who is a citizen of such a country; or
 - g. A Consortium or joint venture where any member of the consortium or joint venture falls under any of the above.
- iii. Beneficial owner for the purpose of (ii) above means:
 - 1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has a controlling ownership interest or who exercises control through other means.

Explanation:

 - a. “Controlling ownership interest” means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company.
 - b. “Control” shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholding agreements or voting agreements;
 - 2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person: has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 - 3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individual;
 - 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 - 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- iv. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

- v. The Selected Bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority. The definition of “contractor from a country which shares a land border with India” shall be as in Clause 2.2.1(e)(ii) above.

Certificate regarding Compliance:

A certificate on the letterhead of the Bidder shall be required to be submitted by the bidders certifying the following in the format prescribed at Appendix-VI:

“I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries;

I/We certify that this bidder is not from a country or, if from such a country, has been registered with the Competent Authority as defined in Public Procurement Order no. F.no.6/18/2019- PPD dated 23rd July 2020 and more so specified in G.O.Ms.No.343, dated 18th September 2020 issued by Finance (Salaries) Department, Govt. of Tamil Nadu and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority;

I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered.”

It may be noted that in case the above certification is found to be false, this would be a ground for immediate rejection of Bid/termination and further legal action in accordance with law.

Validity of Registration:

In respect of RFP, registration should be valid at the time of submission of Bids and at the time of acceptance of Bids. If the Bidder was validly registered at the time of acceptance, registration shall not be a relevant consideration during contract execution.

- 2.2.2 Any entity which has been barred by the Central/ State Government, or any entity controlled by it, from participating in any project (BOT, HAM, or otherwise), and the bar subsists as on the date of Bid, would not be eligible to submit a Bid, either individually or as member of a Consortium.
- 2.2.3 A Bidder including any Consortium Member or Associate should, in the last 3 (three) years, have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder, Consortium Member or Associate, as the case may be, nor has been expelled from any project or contract by any public entity nor have had any contract terminated any public entity for breach by such Bidder, Consortium Member or Associate. Authority would place sole reliance on the certification provided by the Bidder in this regard in its letter comprising the Technical Bid

2.2.4 To be eligible for this RFP a Bidder shall fulfil the following conditions:

A. Technical Capacity: For demonstrating technical capacity and experience, the Bidder shall fulfil the following criteria (hereinafter referred to as the “**Technical Capacity**”)

A1) Technical Capacity – Implementation

The Bidder shall, over the past 7 (seven) financial years preceding the Bid Due Date:

Executed Civil Construction Works/ Received Payments of minimum **Rs. 50 Crores** from a Single Project

AND

Have cumulatively:

- i. paid for development of Eligible Project(s) in Category 1 specified in Clause 3.4.1; and/ or
- ii. collected and appropriated revenues from Eligible Project(s) in Category 1 specified in Clause 3.4.1, and/or
- iii. received payments for, construction of Eligible Project(s) in Category 2 specified in Clause 3.4.1.

such that the sum total of the above (cumulative for the project period), as further adjusted in accordance with clause 3.4.7, is more than Rs. 400 Crore (Rupees Four Hundred Crore only) (the “**Threshold Technical Capacity - Implementation**”).

Provided that at least one similar work with an aggregate project cost of at least (i) Rs.50 Crore (Rupees Fifty Crore only) from the Eligible Projects shall have been completed by the single entity Bidder or the Lead Member. For this purpose, a project shall be considered to be completed, if more than 90% of the value of work has been completed and such completed value of work is equal to or more than Rs. 50 Crore (Rupees Fifty Crore only).

A2. Technical Capacity – Operations and Maintenance

The Bidder shall, over the past 7 (seven) financial years preceding the Bid Due Date, have experience in operation and maintenance of water supply system for a period of at least one year in the last seven years.

For the experience criteria mentioned above, the bidder should have executed:

- a) a single project with at least 10,000 water connections; or
- b) two separate projects each having at least 5,000 water connections;

for a continuous period of 1 (one) year in the last 7 (seven) years prior to the Bid Due date, such that the Applicant meets the criteria (A2) (a) and (b) above (the “**Threshold Technical Capacity - O&M**”)

A3. Technical Capacity – Meter reading and associated Communication system

The Bidder either itself or through any member of the consortium or through a sub-contractor shall have experience of developing and implementing software for:

- a) Data Collection and Automatic Meter Reading, and
- b) Meter Data Management, and
- c) Integration of the collected data with the ERP systems of the utility

The Bidder, Consortium member or the Sub-contractor with the above technical capacity, shall over the past 7 (seven) financial years preceding the Bid Due Date, have:

- i. Implemented at least 1 (One) Billing System with Integration to Utility Billing and Data Migration for

- 5,000 Water supply Connections OR
- 1,00,000 Utility Connections (other than Water supply);

Where such service provider fulfilling the above criteria is a sub-contractor, such entity shall be available for the entire Concession period

B. Financial Capacity: The Bidder shall have an Average Annual turnover of Rs.100 Crore (Rupees One Hundred Crore only) (the “**Financial Capacity**”) from Eligible Projects over the last 3 years. Further, the Bidder shall have **Positive Net Worth** at the close of immediately preceding financial year.

In the case of a Consortium, the combined technical capacity and average annual turnover of those Members, who have and shall continue to have an equity share of at least 26% (twenty six per cent) each in the SPV, should satisfy the above conditions of eligibility provided that each such Member shall, for a period of 36 (thirty six) months from the date Commercial Operation of the project, hold equity share capital not less than 26% (twenty six per cent) of the subscribed and paid up equity of the SPV.

Provided further that members of the Consortium undertake that they shall collectively hold at least 51% (fifty-one per cent) of the subscribed and paid-up equity of the SPV for the entire duration of the Project.

2.2.5 The Bidders shall enclose with their bid, to be submitted as per the format at Appendix-IA, complete with its Annexes, the following:

- i. Certificate(s) from its statutory auditors² or the concerned client(s) stating the payments made/ received, as the case may be, during the past 7 years in respect of the projects specified in paragraph 2.2.4 (A1). In case a particular job/ contract has been jointly executed by the Bidder (as part of a Consortium), it should further support its claim for the share in work done for that particular job/ contract by producing a certificate from its statutory auditor or the client;

²In jurisdictions that do not have statutory auditors, the firm of auditors which audits the annual accounts of the Bidder may provide the certificates required under this RFP.

- ii. Certificate(s) from statutory auditors³ of the Bidder or its Associates specifying the Average Annual Turnover and Net Worth of the Bidder, as at the close of the preceding financial year, and also specifying that the methodology adopted for calculating such Average Annual Turnover and Net Worth conforms to the provisions of this Clause 2.2.5(ii). For the purposes of this RFP, Net Worth (the “**Net Worth**”) shall mean the sum of subscribed and paid-up equity and reserves from which shall be deducted the sum of revaluation reserves, intangible assets, miscellaneous expenditure not written off and reserves not available for distribution to equity shareholders; and Average Annual Turnover (Average Annual Turnover) shall mean the simple average of the operating revenue of the immediately preceding three years earned from Eligible Projects as per clause 3.4.1.
- iii. Certificate(s) from its statutory auditors⁴ or the concerned client(s) evidencing the O&M Capacity in respect of the criteria specified in paragraph 2.2.4(A2) above. In case a particular O&M contract has been jointly executed by the Bidder (as part of a Consortium), it should further support its claim for the share in work done for that particular O&M contract by producing a certificate from its statutory auditor or the client.
- iv. The Applicant should submit a Power of Attorney as per the format at Annexure III, authorising the signatory of the Application to commit the Applicant. In the case of a Consortium, the Members should submit a Power of Attorney in favour of the Lead Member as per format at Annexure IV.

2.3 Change in Ownership

- 2.3.1 In case the Bidder is a Consortium it acknowledges that the Consortium Members whose Technical Capacity and Financial Capacity have been submitted for qualifying in this Bid shall subscribe and hold until the 2nd (second) anniversary of the date of commercial operation of the Project, equity share capital in a manner that: (i) the Member whose Technical Capacity had been evaluated shall hold not less than 51% (fifty one percent) of the subscribed and paid-up equity of the Concessionaire and the Member whose Financial Capacity had been evaluated shall hold not less than 26% (twenty six percent) of the subscribed and paid-up equity of the Concessionaire and (ii) together all the members of the Consortium shall hold 100% (hundred percent) of the subscribed and paid-up equity of the Concessionaire. After the third anniversary of the date of the commercial operation of the Project, the Consortium Members whose Financial Capacity had been evaluated shall be permitted to exit the Concessionaire. The Member whose Technical Capacity in relation to O&M experience had been evaluated shall continue to hold not less than 26% (twenty-six percent) of the subscribed and paid-up equity of the Concessionaire. Provided further that the Consortium Members shall together continue to hold 51% (fifty-one percent) of the subscribed and paid-up equity of the Concessionaire of which the Member whose Technical Capacity in relation to O&M experience had been evaluated, shall hold not less than 26% (twenty-six percent) of the subscribed and paid-up equity of the Concessionaire. The following table depicts the requirement of the shareholding as explained hereinabove in Clause 2.3.1.

³In jurisdictions that do not have statutory auditors, the firm of auditors which audits the annual accounts of the Bidder may provide the certificates required under this RFP.

⁴In jurisdictions that do not have statutory auditors, the firm of auditors which audits the annual accounts of the Bidder may provide the certificates required under this RFP.

| S. No | Year from CoD | Total Shareholding to be held by the Consortium | Shareholding which can be held by entity outside Consortium | Minimum Shareholding of the members of the Consortium | | | Cumulative Shareholding of Consortium members should be (d = a + b + c) |
|-------|---------------|-------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------|---------------|------------|-------------------------------------------------------------------------|
| | | | | Technical (a) | Financial (b) | Others (c) | |
| 1 | 0-2 | 100% | 0% | 51% | 26% | - | 100% |
| 2 | 3-10 | 51% | 49% | 26%* | - | - | 51% |

* Applicable to the partner bringing O&M experience as part of the consortium

2.3.2 In the event change in control occurs after signing of the Concession Agreement but prior to Financial Close of the Project, it would, notwithstanding anything to the contrary contained in the Concession Agreement, be deemed to be a breach of the terms of the Concession Agreement and the Concession Agreement shall be liable to be terminated without the Authority being liable in any manner whatsoever to the Concessionaire. In such an event, notwithstanding anything to the contrary contained in the Concession Agreement, the Authority shall be entitled to forfeit and appropriate the Bid Security or Performance Security, as Damages, without prejudice to any other right or remedy that may be available to the Authority under the Bidding Documents and/ or the Concession Agreement or otherwise.

2.4 Proprietary data

All documents and other information supplied by the Authority or submitted by a Bidder to the Authority shall remain or become the property of the Authority. Bidders are to treat all information as strictly confidential and shall not use it for any purpose other than for the preparation and submission of their Bid. The Authority will not return any Bid or any information provided along therewith.

2.5 Cost of Bidding

The Bidders shall be responsible for all of the costs associated with the preparation of their Bids and their participation in the Bidding Process. The Authority will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the Bidding Process.

2.6 Site visit and verification of information

2.6.1 Bidders are encouraged to submit their respective Bids after visiting the Project site and ascertaining for themselves the site conditions, location, surroundings, climate, availability of power, water & other utilities for construction, access to the site, handling and storage of materials, weather data, applicable laws and regulations, and any other matter considered relevant by them. Bidders are advised to visit the site and familiarise themselves with the Project with in the stipulated time of submission of the Bid. No extension of time is likely to be considered for submission of Bids.

Certificate from the concern Area Engineer/Superintending Engineer for having visited the site of work for this contract should be uploaded along with the Bid, otherwise tenderer will be treated as non-responsive.

2.6.2 It shall be deemed that by submitting a Bid, the Bidder has:

- a. made a complete and careful examination of the Bidding Documents;
- b. received all relevant information requested from the Authority;
- c. accepted the risk of inadequacy, error or mistake in the information provided in the Bidding Documents or furnished by or on behalf of the Authority relating to any of the matters referred to in Clause 2.6.1 above;
- d. satisfied itself about all matters, things and information including matters referred to in Clause 2.6.1 hereinabove necessary and required for submitting an informed Bid, execution of the Project in accordance with the Bidding Documents and performance of all of its obligations thereunder;
- e. acknowledged and agreed that inadequacy, lack of completeness or incorrectness of information provided in the Bidding Documents or ignorance of any of the matters referred to in Clause 2.6.1 hereinabove shall not be a basis for any claim for compensation, damages, extension of time for performance of its obligations, loss of profits etc. from the Authority, or a ground for termination of the Concession Agreement by the Concessionaire;
- f. acknowledged that it does not have a Conflict of Interest; and
- g. agreed to be bound by the undertakings provided by it under and in terms hereof.

2.6.3 The Authority shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to RFP, including any error or mistake therein or in any information or data given by the Authority.

2.7 Verification and Disqualification

2.7.1 The Authority reserves the right to verify all statements, information and documents submitted by the Bidder in response to the RFP and the Bidder shall, when so required by the Authority, make available all such information, evidence and documents as may be necessary for such verification. Any such verification, or lack of such verification, by the Authority shall not relieve the Bidder of its obligations or liabilities hereunder nor will it affect any rights of the Authority thereunder.

2.7.2 The Authority reserves the right to reject any Bid and appropriate the Bid Security if:

- a. at any time, a material misrepresentation is made or uncovered, or
- b. the Bidder does not provide, within the time specified by the Authority, the supplemental information sought by the Authority for evaluation of the Bid.

Such misrepresentation/ improper response shall lead to the disqualification of the Bidder. If the Bidder is a Consortium, then the entire Consortium and each Member of the Consortium may be disqualified/rejected. If such disqualification/ rejection occurs after the Bids have been opened and the lowest Bidder gets disqualified/rejected, then the Authority reserves the right to annul the Bidding Process and invite fresh Bids.

2.7.3 In case it is found during the evaluation or at any time before signing of the Concession Agreement or after its execution and during the period of subsistence thereof, including the concession thereby granted by the Authority, that one or more of the eligibility and/or qualification requirements have not been met by the Bidder, or the Bidder has made material misrepresentation or has given any materially incorrect or false information, the Bidder shall be disqualified forthwith if not yet appointed as the

Concessionaire either by issue of the LOA or entering into of the Concession Agreement, and if the Selected Bidder has already been issued the LOA or the SPV has entered into the Concession Agreement, as the case may be, the same shall, notwithstanding anything to the contrary contained therein or in this RFP, be liable to be terminated, by a communication in writing by the Authority to the Selected Bidder or the Concessionaire, as the case may be, without the Authority being liable in any manner whatsoever to the Selected Bidder or the Concessionaire. In such an event, the Authority shall be entitled to forfeit and appropriate the Bid Security or Performance Security, as the case may be, as Damages, without prejudice to any other right or remedy that may be available to the Authority under this RFP, the Bidding Documents, the Concession Agreement or otherwise.

B. DOCUMENTS

2.8 Contents of the RFP

- 2.8.1 This RFP comprises the Disclaimer set forth hereinabove, the contents as listed below, and will additionally include any Addenda issued in accordance with Clause 2.9.

Invitation for Bids

Section 1. Introduction

Section 2. Instructions to Bidders

Section 3. Evaluation of Bids

Section 4. Fraud and Corrupt Practices

Section 5. Pre-Bid Conference

Section 6. Miscellaneous

Appendices

IA Letter comprising the Technical Bid including Annexure I to VIII

IB Letter comprising the Financial Bid

II. Bank Guarantee for Bid Security

III. Power of Attorney for the signing of Bid

IV. Power of Attorney for Lead Member of Consortium

V. Joint Bidding Agreement for Consortium

VI. Certificate regarding Compliance with Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs)

- 2.8.2 The draft Agreement provided by the Authority as part of the Bid Documents shall be deemed to be part of this RFP.

2.9 Clarifications

- 2.9.1 Bidders requiring any clarification on the RFP may notify the Authority in writing or by e-mail in accordance with Clause 1.2.11. They should send in their queries before the date mentioned in the Schedule of Bidding Process specified in Clause 1.3. The Authority shall endeavour to respond to the queries within the period specified therein, but no later than 15 (fifteen) days before the Bid Due Date. The responses will be sent by fax or e-mail. The Authority will forward all the queries and their responses thereto, to all Bidders without identifying the source of queries.

2.9.2 The Authority shall endeavour to respond to the questions raised or clarifications sought by the Bidders. However, the Authority reserves the right not to respond to any question or provide any clarification, in its sole discretion, and nothing in this Clause shall be taken or read as compelling or requiring the Authority to respond to any question or to provide any clarification.

2.9.3 The Authority may also on its own motion, if deemed necessary, issue interpretations and clarifications to all Bidders. All clarifications and interpretations issued by the Authority shall be deemed to be part of the Bidding Documents. Verbal clarifications and information given by the Authority or its employees or representatives shall not in any way or manner be binding on the Authority.

2.10 Amendment of RFP

2.10.1 At any time before the Bid Due Date, the Authority may, for any reason, whether at its own initiative or in response to clarifications requested by a Bidder, modify the RFP by the issuance of Addenda.

2.10.2 Any Addendum issued hereunder will be in writing and shall be sent to all the Bidders.

2.10.3 To afford the Bidders a reasonable time for taking an Addendum into account, or for any other reason, the Authority may, at its own discretion, extend the Bid Due Date⁵.

C. PREPARATION AND SUBMISSION OF BIDS

2.11 Format and Signing of Bid

2.11.1 The Bidder shall provide all the information sought under this RFP. The Authority will evaluate only those Bids that are received online in the required formats and complete in all respects.

2.12 Documents comprising Technical and Financial Bid

2.12.1 The Bidder shall submit the Technical Bid & Financial Bid online through the Tamil Nadu e-procurement portal at [URL:https://tntenders.gov.in](https://tntenders.gov.in) comprising of the following documents along with supporting documents as appropriate:

Technical Bid

- a. Appendix-IA (Letter comprising the Technical Bid) including Annexure I to VIII and supporting certificates / documents;
- b. Power of Attorney for signing the Bid as per the format at Appendix-III;
- c. if applicable, Power of Attorney for Lead Member of Consortium as per the format at Appendix-IV;
- d. if applicable, Joint Bidding Agreement for Consortium as per the format at Appendix-V
- e. copy of Memorandum and Articles of Association, if the Bidder is a body corporate, and if a partnership then a copy of its partnership deed;

⁵While extending the Bid Due Date on account of an addendum, the Authority shall have due regard for the time required by Bidders to address the amendments specified therein. In the case of significant amendments, at least 15 (fifteen) days shall be provided between the date of amendment and the Bid Due Date, and in the case of minor amendments, at least 7 (seven) days shall be provided.

- f. Copies of Bidder's duly audited balance sheet and profit and loss statement for preceding 5 years.
- g. Bid Security of an amount as mentioned in Data Sheet above, in the form of Online transfer or Bank Guarantee in the format at Appendix-II from a Scheduled Bank.
- h. Proof of online payment of Tender Processing Fee transmitted online to Authority.
- i. An undertaking from the person having PoA referred to in Sub. Clause-(b) above that they agree and abide by the Bid documents uploaded by Authority and amendments uploaded, if any.
- j. Certificate regarding Compliance with Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs) as per format given in Appendix-VI shall be submitted by the Bidder with the RFP Bid duly signed by Authorised signatory & shall be part of the Concession Agreement.
- k. Copy of Registration from the Competent Authority as defined in Public Procurement Order No. F. No. 6/18/2019-PPD dated 23rd July 2020 and more so specified in G.O.Ms.No.343, dated 18th September 2020 issued by Finance (Salaries) Department, Govt. of Tamil Nadu, if applicable (to be submitted by the "Bidder from a country which shares a land border with India").

Financial Bid

- a. Appendix-IB (Letter comprising the Financial Bid)⁶

2.12.2 Bids submitted by fax, telex, telegram or e-mail shall not be entertained and shall be summarily rejected.

2.13 Bid Due Date

Technical & Financial Bid comprising of the documents listed at clause 2.11.1 of the RFP shall be submitted online through the Tamil Nadu e-procurement portal at [URL:https://tntenders.gov.in/nicgep/app](https://tntenders.gov.in/nicgep/app) as per the schedule specified in Clause 1.3.

2.14 Late Bids

The e-procurement portal shall not allow submission of any Bid after the prescribed date and time in Clause 1.3.

2.15 Procedure for e-tendering

2.15.1 Accessing/ Purchasing of Bid documents

- 2.15.1.1 It is mandatory for all the Bidders to possess a valid Class -3 Signing and Encryption Digital Signature Certificate (DSC) (in the name of Authorized Signatory / Firm or Organization / Owner of the Firm or organisation) as per the provisions of the Government of India IT Act 2000 with latest amendments.

DSC should be in the name of the authorized signatory as authorized in Appendix III of this RFP. It should be in corporate capacity (that is in Bidder capacity / in case of Consortium in the Lead Member capacity, as applicable). The Bidder shall submit the document in support of DSC.

⁶Appendix – IB shall be uploaded in a separate folder along with the financial quotation.

The Authorized Signatory holding Power of Attorney (POA) or the person executing/delegating such POA shall only be the Digital Signatory. In other cases, the Bid shall be considered non-responsive.

Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://tntenders.gov.in> under the link "Information about DSC".

2.15.1.2 The Bidders are required to register themselves on the Tamil Nadu e-procurement system portal at [URL:https://tntenders.gov.in/nicgep/app](https://tntenders.gov.in/nicgep/app) and submit soft copies of their Bids electronically using valid Digital Signature Certificates. Bidders may refer to instructions on online proposal submission available on the site at:

- a) <https://tntenders.gov.in/nicgep/app?page=BiddersManualKit&service=page>
- b) https://eprocure.gov.in/cppp/hassle_free_bid_submission.pdf

2.15.1.3 If the firm / Consortium is already registered with e-Procurement Portal of the Authority, and validity of registration is not expired the firm / Consortium is not required a fresh registration.

2.15.1.4 The complete Bid document can be viewed/downloaded by the Bidder from eProcurement portal [URL:https://tntenders.gov.in/nicgep/app](https://tntenders.gov.in/nicgep/app) as per the schedule specified in Clause 1.3

2.15.2 Preparation & Submission of Bids:

2.15.2.1 The Bidder may submit his Bid online following the instruction appearing on the screen. The e-Procurement portal has user manuals with detailed guidelines on enrolment and participation in the online Bidding process. The user manuals can be downloaded for ready reference.

2.15.2.2 The documents listed at clause 2.11.1 shall be prepared and scanned (in 65 to 100 dpi mode) in different files (in PDF or RAR format such that file size is not more than 2 MB) and uploaded during the on-line submission of Bid.

2.15.2.3 Bid must be submitted online only through e-procurement portal of the Authority [URL:https://tntenders.gov.in/nicgep/app](https://tntenders.gov.in/nicgep/app) using the digital signature of Authorised Representative of the Bidder as per the schedule specified in Clause 1.3.

2.15.3 Modifications of Bid

2.15.3.1 The Bidder may modify its e- Bid after submission prior to the Bid Due Date. No Bid can be modified by the Bidder on or after the Bid Due Date & Time.

2.15.3.2 No bid can be withdrawn once submitted.

2.16 Online Opening of Bids.

2.16.1 Opening of Bids will be done through online process.

2.16.2 The Authority shall open on-line Technical Bids as per the schedule specified in Clause 1.3, in the presence of the authorized representatives of the Bidders, who choose to attend. The Authority will subsequently examine and evaluate the Bids in accordance with the provisions of Section 3 of RFP.

2.17 Rejection of Bids

2.17.1 Notwithstanding anything contained in this RFP, the Authority reserves the right to reject any Bid and to annul the Bidding Process and reject all Bids at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons thereof. In the event that the Authority rejects or annuls all the Bids, it may, in its discretion, invite all eligible Bidders to submit fresh Bids hereunder.

2.17.2 The Authority reserves the right not to proceed with the Bidding Process at any time, without notice or liability, and to reject any Bid without assigning any reasons.

2.18 Validity of Bids

The Bids shall be valid for a period of not less than 180 (one hundred and eighty) days from the Bid Due Date. The validity of Bids may be extended by mutual consent of the respective Bidders and the Authority.

2.19 Confidentiality

Information relating to the examination, clarification, evaluation and recommendation for the Bidders shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising the Authority in relation to, or matters arising out of, or concerning the Bidding Process. The Authority will treat all information, submitted as part of the Bid, in confidence and will require all those who have access to such material to treat the same in confidence. The Authority may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/ or the Authority or as may be required by law or in connection with any legal process.

2.20 Correspondence with the Bidder

Save and except as provided in this RFP, the Authority shall not entertain any correspondence with any Bidder in relation to acceptance or rejection of any Bid.

D. BID SECURITY

2.21 Bid Security

2.21.1 The Bidder shall furnish as part of its Bid, a Bid Security referred to in Clauses 2.1.6 and 2.1.7 hereinabove on e-procurement portal or Bank Guarantee, in favour of the Authority in the format at Appendix-II (the "Bank Guarantee") and having a validity period of not less than 180 (one hundred eighty) days from the Bid Due Date and a claim period of 60 (sixty) days, and may be extended as may be mutually agreed between the Authority and the Bidder from time to time.

2.21.2 Deleted.

2.21.3 Any Bid not accompanied by the Bid Security shall be summarily rejected by the Authority as non-responsive.

2.21.4 Save and except as provided in Clauses 1.2.4 above, the Bid Security of unsuccessful Bidders will be returned by the Authority, without any interest, as promptly as possible on acceptance of the Bid of the Selected Bidder or when the Bidding process is cancelled by the Authority, and in any case not later than 180 (one hundred eighty) days from the Bid Due Date.

2.21.5 The Selected Bidder's Bid Security will be returned, without any interest, upon the Concessionaire signing the Concession Agreement and furnishing the Performance

Security in accordance with the provisions thereof. The Authority may, at the Selected Bidder's option, adjust the amount of Bid Security in the amount of Performance Security to be provided by him in accordance with the provisions of the Concession Agreement.

2.21.6 The Authority shall be entitled to forfeit and appropriate the Bid Security as Damages inter alia in any of the events specified in Clause 2.21.7 herein below. The Bidder, by submitting its Bid pursuant to this RFP, shall be deemed to have acknowledged and confirmed that the Authority will not suffer loss and damage on account of withdrawal of its Bid or for any other default by the Bidder during the period of Bid validity as specified in this RFP. No relaxation of any kind on Bid Security shall be given to any Bidder.

2.21.7 The Bid Security shall be forfeited as Damages without prejudice to any other right or remedy that may be available to the Authority under the Bidding Documents and/or under the Concession Agreement, or otherwise, under the following conditions:

a) If a Bidder submits a non-responsive Bid;

Subject however that in the event of encashment of Bid Security occurring due to operation of para 2.21.7 (a), the Damage so claimed by the Authority shall be restricted to 5% of the value of the Bid Security.

b) If a Bidder engages in a corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice as specified in Clause 4 of this RFP;

c) If a Bidder withdraws its Bid during the period of Bid validity as specified in this RFP and as extended by mutual consent of the respective Bidder(s) and the Authority

d) In the case of Selected Bidder, if it fails within the specified time limit –

i. to sign and return the duplicate copy of LOA;

ii. to sign the Concession Agreement; or

iii. to furnish the Performance Security within the period prescribed therefor in the Concession Agreement.

3 EVALUATION OF TECHNICAL BIDS AND OPENING & EVALUATION OF FINANCIAL BIDS

3.1 Opening and Evaluation of Technical Bids

- 3.1.1 The Authority shall open the Technical Bids received online as per the schedule specified in Clause 1.3, and in the presence of the Bidders who choose to attend.
- 3.1.2 The Authority will subsequently examine and evaluate the Bids in accordance with the provisions set out in this Section 3.
- 3.1.3 To facilitate evaluation of Bids, the Authority may, at its sole discretion, seek clarifications in writing from any Bidder regarding its Bid.

3.2 Tests of responsiveness

- 3.2.1 As a first step towards evaluation of Technical Bids, the Authority shall determine whether each Technical Bid is responsive to the requirements of this RFP. A Technical Bid shall be considered responsive only if:
 - a. Technical Bid is received online as per the format at Appendix-IA including Annexure I to VIII;
 - b. Technical Bid is accompanied by the Bid Security as specified in Clause 2.1.6 and 2.1.7;
 - c. Technical Bid is accompanied by the Power of Attorney as specified in Clauses 2.1.8;
 - d. Technical Bid is accompanied by Power of Attorney for Lead Member of Consortium and the Joint Bidding Agreement as specified in Clause 2.1.9, if so required;
 - e. Technical Bid contain all the information (complete in all respects);
 - f. Technical Bid does not contain any condition or qualification;
 - g. Technical Bid contains proof of payment of Tender Processing Fee transmitted online to Authority.
 - h. it is not non-responsive in terms hereof.
- 3.2.2 The Authority reserves the right to reject any Technical Bid which is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by the Authority in respect of such Bid.

3.3 Evaluation parameters

- 3.3.1 Only those Bidders who meet the eligibility criteria specified in Clause 2.2.4 above shall qualify for evaluation under this Section 3. Bids of firms/ consortia who do not meet these criteria shall be rejected.
- 3.3.2 A Bidder's competence and capability is proposed to be established by the following parameters:
 - (a) Technical Capacity – Implementation and O&M; and
 - (b) Financial Capacity

3.4 Technical Capacity for purposes of evaluation

- 3.4.1 Subject to the provisions of Clause 2.2, the following categories of experience would qualify as Technical Capacity and eligible experience (the "Eligible Experience") in relation to eligible projects as stipulated in Clauses 3.4.3 and 3.4.4 (the "Eligible Projects"):

Category 1: Project experience on Eligible Projects that qualify under Clause 3.4.3

Category 2: Construction experience on Eligible projects that qualify under Clause 3.4.4

Eligible experience shall include the following:

- (i) Experience of providing House Service Connections for Water Supply or Sewerage; and
- (ii) Experience of supply and fixing of water meters to households along with associated communication systems, billing software and hardware

in relation to "Eligible Projects" specified in Clause 3.4.3

Further, in order to be an "Eligible Project" under both category 1 and Category 2 the project shall fulfil the following criteria:

- i. provision of a minimum of 50,000 water/sewer house service connections in the last seven years preceding the Bid Due Date
- ii. installation of a minimum of 25,000 Water Meters along with associated communication systems, billing software and hardware in the last seven years preceding the Bid Due Date.

- 3.4.2 Eligible Experience in respect of each category shall be measured only for Eligible Projects.

- 3.4.3 For a project to qualify as an Eligible Project under Category 1:

- a. It should have been undertaken as a PPP project on BOT, DBFOT, HAM, BOLT, BOO, BOOT or other similar basis for providing its output or services to a public sector entity or for providing non-discriminatory access to users in pursuance of its charter, concession or contract, as the case may be.;
- b. the entity claiming experience should have held, in the company owning the Eligible Project, a minimum of 26% (twenty six per cent) equity during the **entire duration of the project** for which Eligible Experience is being claimed;
- c. the capital cost of the project should be more than Rs.50Crore (Rupees Fifty Crore only); and
- d. the entity claiming experience shall, during the last 7(seven) financial years preceding the Bid Due Date, have (i) paid for development of the project (excluding the cost of land), and/ or (ii) collected and appropriated the revenues from users availing of non-discriminatory access.

- 3.4.4 For a project to qualify as an Eligible Project under Category 2, the Bidder should have paid for works executed or received payments from its client(s) for works executed, fully or partially, during the 7(seven) financial years immediately preceding the Bid Due Date, and only the payments (gross) actually made or received, as the case may be, during such 7 (seven) financial years shall qualify for purposes of computing the Experience Score. However, payments/receipts of less than Rs. 50.00 Crore (Rupees Fifty Crore only); shall not be reckoned as payments/receipts for Eligible Projects. For the avoidance of doubt, construction works shall not include supply of goods or equipment except when such goods or equipment form part of a turn-key contract/ EPC contract for the project. Further, the cost of land shall not be included hereunder.
- 3.4.5 The Bidders shall quote experience in respect of a particular Eligible Project under any one category only, even though the Bidder (either individually or along with a member of the Consortium) may have played multiple roles in the cited project. Double counting for a particular Eligible Project shall not be permitted in any form.
- 3.4.6 A Bidder's experience shall be measured and stated in terms of a score (the "**Experience Score**"). The Experience Score for an Eligible Project in a given category would be the eligible payments and/or receipts specified in Clause 2.2.4 (A1), divided by one crore. In case the Bidder has experience across different categories, the score for each category would be computed as above and then aggregated to arrive at its Experience Score.
- 3.4.7 Subject to the provisions of 3.4.8, a Bidder's Eligible experience shall be measured and then multiplied by the applicable factor in Table A below. In case the Bidder has experience across different categories, the value for each category should be computed as above and then aggregated to arrive at its Experience Score.

Table A: Factors for Experience across categories

| Categories | Factor |
|-------------------|---------------|
| Category 1 | 1.25 |
| Category 2 | 1.00 |

- 3.4.8 Experience for any activity relating to an Eligible Project shall not be claimed by two or more Members of the Consortium. In other words, no double counting by a Consortium in respect of the same experience shall be permitted in any manner whatsoever.

3.5 Details of Experience

- 3.5.1 The Bidders should furnish the details of Eligible Experience for the last 7 (seven) financial years immediately preceding the Bid Due Date.
- 3.5.2 The Bidders must provide the necessary information relating to Technical Capacity as per format at Annex-II of Appendix-IA.
- 3.5.3 The Bidders should furnish the required Project-specific information and evidence in support of its claim of Technical Capacity, as per format at Annex-IV of Appendix-IA.

3.6 Financial information for purposes of evaluation

- 3.6.1 The Bids must be accompanied by the Audited Annual Reports of the Bidder (of each Member in case of a Consortium) for the last 7 (seven) financial years, preceding the year in which the Bid is made.

- 3.6.2 In case the annual accounts for the latest financial year are not audited and therefore the Bidder cannot make the same available, the Bidder shall give an undertaking to this effect and the statutory auditor shall certify the same. In such a case, the Bidder shall provide the Audited Annual Reports for 7 (seven) years preceding the year for which the Audited Annual Report is not being provided.
- 3.6.3 The Bidder must establish the minimum Average Annual Turnover and Net Worth specified in Clause 2.2.4 (B), and provide details as per format at Annex-III of Appendix-IA.
- 3.6.4 In case of foreign companies, a certificate from a qualified external auditor who audits the book of accounts of the Bidder or the Consortium Member in the formats provided in the country where the project has been executed shall be accepted, provided it contains all the information as required in the prescribed format of the RFP.
- 3.6.5 Clarifications
- i. In the event that a Bidder claims credit for an Eligible Project, and such claim is determined by the Authority as incorrect or erroneous, the Authority may reject / correct such claim for the purpose of qualification requirements.
 - ii. The Authority will get the Bid security verified from the issuing authority and after due verification, the Authority will evaluate the Technical Bids for their compliance to the eligibility and qualification requirements pursuant to clauses 2.2.1 and 2.2.2 of this RFP.
 - iii. After evaluation of Technical Bids, the Authority will publish a list of Technically Responsive Bidders whose financial bids shall be opened. The Authority shall notify other Bidders that they have not been technically responsive. The Authority will not entertain any query or clarification from Bidders who fail to qualify.

3.7 Opening and Evaluation of Financial Bids

The Authority shall inform the venue and time of online opening of the Financial Bids to the technically responsive Bidders through e-procurement portal of Authority and e-mail. The Authority shall online open the Financial Bids on date and time to be informed in this clause in the presence of the authorised representatives of the Bidders who may choose to attend. The Authority shall publicly announce the assessed Bid Price for each of the technically responsive Bidder. The Authority shall prepare a record of opening of Financial Bids.

3.8 Selection of Bidder

- 3.8.1 Subject to the provisions of Clause 2.17.1, the Bidder whose Bid is adjudged as responsive in terms of Clause 3.2 and whose Bid Price is the lowest, shall be declared as the selected Bidder (the "**Selected Bidder**").
- 3.8.2 The Lowest Bid Price would be arrived at by computing the present value of the amounts to be paid to the Bidder, namely, the Construction Grant, Annuity payments over a 10 year period including interest on Annuity and O&M for the period of operations (the first year O&M cost will be inflated at 3% annually to arrive at the O&M cost during the period of operations). These will be discounted at 11% to arrive at the Net Present Value (NPV). The bidder with the lowest NPV will be the preferred bidder. The Construction Grant, Annuity and O&M figures quoted by the bidders in APPENDIX IB ANNEX-I BID PRICE SHEET will be considered for this purpose. It may be noted that inflation rate of 3% used above is for the purposes of evaluation only.

- 3.8.3 In the event that, the assessed Bid Price of two or more Bidders is the same (the "**Tie Bids**"), the Authority shall identify the Selected Bidder by draw of lots, which shall be conducted, with prior notice, in the presence of the Tie Bidders who choose to attend.
- 3.8.4 In case such Lowest Bidder withdraws or is not selected for whatsoever reason except the reason mentioned in clause 3.8.3, the Authority reserves the right to invite the next successive lowest bidder to match the Bid submitted by the Lowest Bidder. In the event that none of the other Bidders match the Bid of the Lowest Bidder, the Authority may, in its discretion, either invite fresh Bids from the remaining Bidders or annul the Bidding Process. It may be noted that the Authority is not bound to invite the next lowest bidder and may, at its discretion invite all eligible Bidders to submit fresh Bids or annul the bidding process.
- 3.8.5 After selection, a Letter of Award (the "**LOA**") shall be issued, in duplicate, by the Authority to the Selected Bidder and the Selected Bidder shall by the next day of issuance of the LOA, sign and return the duplicate copy of the LOA in acknowledgement thereof. In the event the duplicate copy of the LOA duly signed by the Selected Bidder is not received by the stipulated date, the Authority may, unless it consents to extension of time for submission thereof, appropriate the Bid Security of such Bidder as Damages on account of failure of the Selected Bidder to acknowledge the LOA.
- 3.8.6 After acknowledgement of the LOA as aforesaid by the Selected Bidder, it shall cause the Bidder to execute the Agreement within the period prescribed in Clause 1.3. The Selected Bidder shall not be entitled to seek any deviation, modification or amendment in the Agreement.
- 3.9 **Contacts during Bid Evaluation**
- Bids shall be deemed to be under consideration immediately after they are opened and until such time the Authority makes official intimation of award/ rejection to the Bidders. While the Bids are under consideration, Bidders and/ or their representatives or other interested parties are advised to refrain, save and except as required under the Bidding Documents, from contacting by any means, the Authority and/ or their employees/ representatives on matters related to the Bids under consideration.
- 3.10 **Correspondence with Bidder**
- Save and except as provided in this RFP, the Authority shall not entertain any correspondence with any Bidder in relation to the acceptance or rejection of any Bid.
- 3.11 **Others**
- 3.11.1 Any information contained in the Bid shall not in any way be construed as binding on the Authority, its agents, successors or assigns, but shall be binding against the Bidder if the Project is subsequently awarded to it on the basis of such information.
- 3.11.2 The Authority reserves the right not to proceed with the Bidding Process at any time without notice or liability and to reject any or all Bid(s) without assigning any reasons.

4 FRAUD AND CORRUPT PRACTICES

- 4.1 The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bidding Process and subsequent to the issue of the LOA and during the subsistence of the Agreement. Notwithstanding anything to the contrary contained herein, or in the LOA or the Agreement, the Authority may reject a Bid, withdraw the LOA, or terminate the Agreement, as the case may be, without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bidding Process. In such an event, the Authority shall be entitled to forfeit and appropriate the Bid Security or Performance Security, as the case may be, as Damages, without prejudice to any other right or remedy that may be available to the Authority under the Bidding Documents and/ or the Agreement, or otherwise.
- 4.2 Without prejudice to the rights of the Authority under Clause 4.1 hereinabove and the rights and remedies which the Authority may have under the LOA or the Agreement, or otherwise if a Bidder or Contractor, as the case may be, is found by the Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bidding Process, or after the issue of the LOA or the execution of the Agreement, such Bidder, at the sole and absolute discretion of the Authority, shall not be eligible to participate in any tender or RFP issued by the Authority during a period of 2 (two) years from the date such Bidder, or Contractor, as the case may be, is found by the Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.
- 4.3 For the purposes of this Section 4, the following terms shall have the meaning hereinafter respectively assigned to them:
- a. "corrupt practice" means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bidding Process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the Authority who is or has been associated in any manner, directly or indirectly, with the Bidding Process or the LOA or has dealt with matters concerning the Agreement or arising therefrom, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the Authority, shall be deemed to constitute influencing the actions of a person connected with the Bidding Process); or (ii) save and except as permitted under the Clause 2.2.1(d) of this RFP, engaging in any manner whatsoever, whether during the Bidding Process or after the issue of the LOA or after the execution of the Agreement, as the case may be, any person in respect of any matter relating to the Project or the LOA or the Contract Agreement, who at any time has been or is a legal, financial or technical adviser of the Authority in relation to any matter concerning the Project;
 - b. "fraudulent practice" means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts;

- c. “coercive practice” means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person’s participation or action in the Bidding Process;
- d. “undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by the Authority with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bidding Process; or (ii) having a Conflict of Interest; and
- e. “restrictive practice” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bidding Process.
- f. The project is financed by The World Bank and the Bidders are required to comply with the applicable guidelines (available at the following link): <https://ppfdocuments.azureedge.net/3682.pdf>).

5 PRE-BID CONFERENCE

- 5.1 Pre-Bid conference of the Bidders shall be convened at the designated date, time and place. A maximum of three representatives of prospective Bidders shall be allowed to participate on production of authority letter from the Bidder.
- 5.2 During the course of Pre-Bid conference(s), the Bidders will be free to seek clarifications and make suggestions for consideration of the Authority. The Authority shall endeavour to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent and competitive Bidding Process.
- 5.3 The Authority shall endeavour to respond to the queries within 10 days prior to the Proposal Due Date. However, the Authority reserves the right not to respond to any question or provide any clarification, in its sole discretion. Nothing in this clause shall be taken or read as compelling or requiring the Authority to respond to any question or to provide any clarification. The Authority will forward all the queries and its responses to all Bidders.

6 MISCELLANEOUS

- 6.1 The Bidding Process shall be governed by, and construed in accordance with, the laws of India and the Courts at Chennai shall have exclusive jurisdiction over all disputes arising under, pursuant to and/ or in connection with the Bidding Process.
- 6.2 The Authority, in its sole discretion and without incurring any obligation or liability, reserves the right, at any time, to;
- a. suspend and/ or cancel the Bidding Process and/ or amend and/ or supplement the Bidding Process or modify the dates or other terms and conditions relating thereto;
 - b. consult with any Bidder in order to receive clarification or further information;
 - c. retain any information and/ or evidence submitted to the Authority by, on behalf of, and/ or in relation to any Bidder; and/ or
 - d. independently verify, disqualify, reject and/ or accept any and all submissions or other information and/ or evidence submitted by or on behalf of any Bidder.
- 6.3 It shall be deemed that by submitting the Bid, the Bidder agrees and releases the Authority, its employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and/ or performance of any obligations hereunder, pursuant hereto and/ or in connection with the Bidding Process and waives, to the fullest extent permitted by applicable laws, any and all rights and/ or claims it may have in this respect, whether actual or contingent, whether present or in future.

APPENDIX IA LETTER COMPRISING THE TECHNICAL BID

(Refer Clause 2.1.5, 2.11 and 3.2)

To,

Sub: Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of 1.0 Lakh Smart Water Meters with Associated Communication and Billing System in Chennai City, under Hybrid Annuity Model (HAM) for a period of 12 Years

Dear Sir,

1. With reference to your RFP document dated _____ I/we, having examined the RFP document and understood its contents, hereby submit my/our Bid for the aforesaid project. The Bid is unconditional and unqualified.
2. I/ We acknowledge that the Authority will be relying on the information provided in the Bid and the documents accompanying such Bid for selection of the Concessionaire for the aforesaid Project, and we certify that all information provided in the Bid and in Annexes I to IV is true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying such Bid are true copies of their respective originals.
3. This statement is made for the express purpose of our selection as a Concessionaire for the development, construction, operation and maintenance of the aforesaid Project.
4. I/ We shall make available to the Authority any additional information it may find necessary or require to supplement or authenticate the Bid.
5. I/ We acknowledge the right of the Authority to reject our Bid without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
6. I/ We certify that in the last three years, we/ any of the Consortium Members or our/ their Associates have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award, nor been expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part.
7. I/ We declare that:
 - a. I/ We have examined and have no reservations to the RFP document, including any Addendum issued by the Authority.
 - b. I/ We do not have any conflict of interest in accordance with Clauses 2.2.1(c) and 2.2.1(d) of the RFP document; and
 - c. I/We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in Clause 4.3 of the RFP document, in respect of any tender or request for proposal issued by or any agreement entered into with the Authority or any other public sector enterprise or any government, Central or State;

- d. I/ We hereby certify that we have taken steps to ensure that in conformity with the provisions of Section 4 of the RFP document, no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice; and
 - e. I/We agree to abide by the "Guidelines on preventing and combating fraud and corruption in program-for-results financing dated February 1, 2012 and revised July 10, 2015 published by the International Bank for Reconstruction and Development (IBRD).
8. I/ We understand that you may cancel the Bidding Process at any time and that you are neither bound to accept any Bid that you may receive nor to invite the Bidders to Bid for the Project, without incurring any liability to the Bidders, in accordance with Clause 2.16.2 of the RFP document.
 9. I/ We believe that we/ our Consortium/ proposed Consortium satisfy(ies) the Average Annual Turnover and Net Worth criteria and meet(s) all the requirements as specified in the RFP document.
 10. I/ We declare that we/ any Member of the Consortium, or our/ its Associates are not a Member of a/ any other Consortium submitting a Bid for this Project.
 11. I/ We certify that in regard to matters other than security and integrity of the country, we/ any Member of the Consortium or any of our/ their Associates have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
 12. I/ We further certify that in regard to matters relating to security and integrity of the country, we/ any Member of the Consortium or any of our/ their Associates have not been charge-sheeted by any agency of the Government or convicted by a Court of Law.
 13. I/ We further certify that no investigation by a regulatory authority is pending either against us/ any Member of the Consortium or against our/ their Associates or against our CEO or any of our directors/ managers/ employees.
 14. I/ We undertake that in case due to any change in facts or circumstances during the Bidding Process, we are attracted by the provisions of disqualification in terms of the provisions of this RFP, we shall intimate the Authority of the same immediately.
 - (a) The Statement of Legal Capacity as per format provided at Annex-V in Appendix-IA of the RFP document, and duly signed, is enclosed. The Power Of Attorney for Signing of Bid and the Power of Attorney for Lead Member of Consortium, as per format provided at Appendix III and IV respectively of the RFP, are also enclosed.
 - (b) I/We hereby confirm that we [are in compliance of/ shall comply with] the O&M requirements specified in Clause 2.2.3
 15. I/We acknowledge and undertake that our Consortium is qualified on the basis of Technical Capacity, O&M Capacity, and Financial Capacity of those of its Members who shall, for the period of 36 (thirty six) months from the date of commercial operation of the Project, hold equity share capital not less than 26% (twenty six percent) of the subscribed and paid up equity of the Concessionaire. We further agree and acknowledge that the aforesaid obligation shall be in addition to the obligations contained in the Concession Agreement in respect of Change in Ownership.

16. I/We acknowledge and agree that in the event of a change in control of an Associate whose Technical Capacity and/ or Financial Capacity shall be taken into consideration for the purposes of selection as Concessionaire under and in accordance with the RFP, I/We shall inform the Authority forthwith along with all relevant particulars and the Authority may, in its sole discretion, disqualify our Consortium or withdraw the Letter of Award, as the case may be. I/We further acknowledge and agree that in the event such change in control occurs after signing of the Concession Agreement but prior to Financial Close of the Project, it would, notwithstanding anything to the contrary contained in the Agreement, be deemed a breach thereof, and the Concession Agreement shall be liable to be terminated without the Authority being liable to us in any manner whatsoever.
17. I/ We understand that the Selected Bidder shall incorporate the Concessionaire as a new Company under Companies 2013 prior to the execution of the Concession Agreement.
18. I/We hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of the Bidder, or in connection with the Bidding Process itself, in respect of the above mentioned Project and the terms and implementation thereof.
19. In the event of my/ our being declared as the Selected Bidder, I/We agree to enter into a Concession Agreement in accordance with the draft that has been provided to me/us prior to the Bid Due Date. We agree not to seek any changes in the aforesaid draft and agree to abide by the same.
20. I/We have studied all the Bidding Documents carefully and also surveyed the project Site. We understand that except to the extent as expressly set forth in the Concession Agreement, we shall have no claim, right or title arising out of any documents or information provided to us by the Authority or in respect of any matter arising out of or relating to the Bidding Process including the award of Concession.
21. I/We offer a Bid Security of **Rs. _____ (Rupees _____ only)** to the Authority in accordance with the RFP Document.
22. The Bid Security is submitted through online transfer on e-procurement portal or in the form of Bank Guarantee (*strikeout whichever is not applicable*).
23. Deleted.
24. I/We agree and understand that the Bid is subject to the provisions of the Bidding Documents. In no case, I/We shall have any claim or right of whatsoever nature if the Project / Concession is not awarded to me/us or our Bid is not opened or rejected.
25. The Bid Price has been quoted by me/us after taking into consideration all the terms and conditions stated in the RFP, draft Concession Agreement, our own estimates of costs and after a careful assessment of the site and all the conditions that may affect the Project cost and implementation of the Project.
26. I/ We agree and undertake to abide by all the terms and conditions of the RFP document.

27. I We agree and undertake that upon receipt of LOA, we shall submit the Construction Period Performance Security for an amount of Rs. _____ (Rupees _____ only), as required under the LOA for executing the Concession Agreement.
28. {We, the Consortium Members agree and undertake to be jointly and severally liable for all the obligations of the Concessionaire under the Concession Agreement till occurrence of Financial Close in accordance with the Concession Agreement.}
29. I/ We certify that in terms of the RFP, my/our Networth is Rs. (Rs. in words)
30. I/ We certify that in terms of the RFP, my/our Average Annual Turnover is Rs. (Rs. in words)
31. I/We shall keep this offer valid for 180 (one hundred and eighty) days from the Bid Due Date specified in the RFP.
32. I/ We hereby submit our Bid as indicated in Financial Bid for undertaking the aforesaid Project in accordance with the Bidding Documents and the Concession Agreement

In witness thereof, I/we submit this Bid under and in accordance with the terms of the RFP document.

Date
Place

Yours faithfully,
(Signature of the Authorised signatory)
(Name and designation of the of the Authorised signatory)
Name and seal of Bidder/Lead Member

Note: Paragraphs in curly parenthesis may be omitted by the Bidders, if not applicable to it, or modified as necessary to reflect Bidder-specific particulars.

**APPENDIX IA
ANNEX-I
DETAILS OF BIDDER**

1. (a) Name:
(b) Country of incorporation:
(c) Address of the corporate headquarters and its branch office(s), if any, in India:
(d) Date of incorporation and/ or commencement of business:
2. Brief description of the Company including details of its main lines of business and proposed role and responsibilities in this Project:
3. Details of individual(s) who will serve as the point of contact/ communication for the Authority:
 - (a) Name:
 - (b) Designation:
 - (c) Company:
 - (d) Address:
 - (e) Telephone Number:
 - (f) E-Mail Address:
 - (g) Fax Number:
4. Particulars of the Authorised Signatory of the Bidder:
 - (a) Name:
 - (b) Designation:
 - (c) Address:
 - (d) Phone Number:
 - (e) Fax Number:
5. In case of a Consortium:
 - (a) The information above (1-4) should be provided for all the Members of the Consortium.
 - (b) A copy of the Joint Bidding Agreement, as envisaged in Clause 2.1.15 (g) should be attached to the Bid.
 - (c) Information regarding the role of each Member should be provided as per table below:

| Sl. No. | Name of Member | Role* {Refer Clause 2.1.15(d)} ⁷ | Percentage of equity in the Consortium {Refer Clauses 2.1.15(a), (c) & (g)} |
|---------|----------------|------------------------------------------------|-----------------------------------------------------------------------------|
| | | | |
| | | | |

* The role of each Member, as may be determined by the Bidder, should be indicated in accordance with instruction 4 at Annex-IV.

(d) The following information shall also be provided for each Member of the Consortium:

6. Name of Bidder/ member of Consortium:

| No | Criteria | Yes | No |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 1 | Has the Bidder/ constituent of the Consortium been barred by the Central/ State Government, or any entity controlled by it, from participating in any project (BOT or otherwise). | | |
| 2 | If the answer to 1 is yes, does the bar subsist as on the date of Bid | | |
| 3 | Has the Bidder/ constituent of the Consortium paid liquidated damages of more than 5% of the contract value in a contract due to delay or has been penalised due to any other reason in relation to execution of a contract, in the last three years? | | |
| 4. | Is the bidder or member(s) of consortium in the list of ineligible firms published by the World Bank, available on https://www.worldbank.org/en/projects-operations/procurement/debarred-firms | | |

7. A statement by the Bidder and each of the Members of its Consortium (where applicable) or any of their Associates disclosing material non-performance or contractual non-compliance in past projects, contractual disputes and litigation/ arbitration in the recent past is given below (Attach extra sheets, if necessary):

⁷ All provisions contained in curly parenthesis shall be suitably modified by the Bidder to reflect the particulars relating to such Bidder.

**APPENDIX IA
ANNEX-II
TECHNICAL CAPACITY OF THE BIDDER@**

(Refer to Clauses 2.2.4 A, 3.4 and 3.5 of the RFP)

| Bidder Type# | Proposed Equity Shareholding in Consortium (%) | Member Code* | Project Code** | Category\$ | Experience¥ (Equivalent Rs. crore) \$\$ | | | | Experience Score£ |
|----------------------------|------------------------------------------------|--------------|----------------|------------|--------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------|-------------------|
| | | | | | Civil Projects | Payments made/received for construction of Eligible Projects in Category 2 | Payments made for development of Eligible Projects in Category 1 | Revenues Appropriated from Eligible Projects in Category 1 | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Single entity Bidder | | | a | | | | | | |
| | | | b | | | | | | |
| | | | c | | | | | | |
| | | | d | | | | | | |
| Consortium Member 1 | | | 1a | | | | | | |
| | | | 1b | | | | | | |
| | | | 1c | | | | | | |
| | | | 1d | | | | | | |
| Aggregate Experience Score | | | | | | | | | |

@ Provide details of only those projects that have been undertaken by the Bidder under its own name and/ or by an Associate and/ or by a project company eligible under Clause 3.4.3(b). In case of Categories 1 and 2, include only those projects which have an estimated capital cost exceeding the amount specified in Clause 3.4.3(c) and for Categories 3 and 4, include only those projects where the payments made/received exceed the amount specified in Clause 3.4.4. In case the Bid Due Date falls within 3 (three) months of the close of the latest financial year, refer to Clause 2.1.19.

A Bidder consisting of a single entity should fill in details as per the row titled Single entity Bidder and ignore the rows titled Consortium Member. In case of a Consortium, the row titled Single entity Bidder may be ignored. In case credit is claimed for an Associate, necessary evidence to establish the relationship of the Bidder with such Associate, in terms of Clause 2.1.16, shall be provided.

* Member Code shall indicate NA for Not Applicable in case of a single entity Bidder. For other Members, the following abbreviations are suggested viz. LM means Lead Member, OM means Other Member.

** Refer Annex-IV of this Appendix-IA. Add more rows if necessary.

\$ Refer Clause 3.4.1.

¥ In the case of Eligible Projects in Categories 1, the figures in columns 8 and 9 may be added for computing the Experience Score of the respective projects. In the case of Category 2, construction shall not include supply of goods or equipment except when such goods or equipment form part of a turn-key construction contract/ EPC contract for the project. In no case shall the cost of land be included while computing the Experience Score of an Eligible Project.

\$\$ For conversion of US Dollars to Rupees, the rate of conversion shall be Rupees 83 (Eighty Three) to a US Dollar. In case of any other currency, the same shall first be converted to US Dollars as on the date 60 (sixty) days prior to the Bid Due Date, and the amount so derived in US Dollars shall be converted into Rupees at the aforesaid rate. The conversion rate of such currencies shall be the daily representative exchange rates published by the International Monetary Fund for the relevant date.

£ Divide the amount in the Experience column by one crore and then multiply the result thereof by the applicable factor set out in Table 3.4.7 and in case of a Consortium, further multiply the result thereof by the proposed equity shareholding of the applicable Member, to arrive at the Experience Score for each Eligible Project.

**APPENDIX IA
ANNEX-III
FINANCIAL CAPACITY OF THE BIDDER**

(Refer to Clauses 2.2.4 (B), 2.2.5(ii) and 3.6 of the RFP)
(In Rs. crore\$\$)

| Bidder type \$ | Member Code£ | Proposed Equity Shareholding in Consortium (%) | Average Annual Turnover of the last three years | Net Worth of the immediately preceding Financial Year |
|----------------------|--------------|------------------------------------------------|-------------------------------------------------|-------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) |
| Single entity Bidder | | | | |
| | | | | |
| Consortium Member 1 | | | | |
| | | | | |

Name & address of Bidder's Bankers:

\$A Bidder consisting of a single entity should fill in details as per the row titled Single entity Bidder and ignore the rows titled Consortium Members. In case of a Consortium, row titled Single entity Bidder may be ignored.

£For Member Code, see instruction 4 at Annex-IV of this Appendix-IA.

€The Bidder should provide details of its own Financial Capability or of an Associate specified in Clause 2.1.18.

\$\$ For conversion of other currencies into rupees, see note below Annex-II of Appendix- IA.

Instructions:

- The Bidder/ its constituent Consortium Members shall attach copies of the balance sheets, financial statements and Annual Reports for 7 (seven) years preceding the Bid Due Date. The financial statements shall:
 - reflect the financial situation of the Bidder or Consortium Members and its/ their Associates where the Bidder is relying on its Associate's financials;
 - be audited by a statutory auditor;
 - be complete, including all notes to the financial statements; and
 - correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).
- Average Annual Turnover shall mean the simple average of the operating revenue of the immediately preceding three years earned from Eligible Projects as per clause 3.4.1.
- Net Worth shall mean aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, intangible assets, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write back of depreciation and reserves arising out of amalgamation.

4. Year 1 will be the latest completed financial year, preceding the bidding. In case the Bid Due Date falls within 3 (three) months of the close of the latest financial year, refer to Clause 2.1.19.
5. In the case of a Consortium, a copy of the Jt. Bidding Agreement shall be submitted in accordance with Clause 2.1.15 (g) of the RFP document.
6. The Bidder shall also provide the name and address of the Bankers to the Bidder.
7. The Bidder shall provide an Auditor's Certificate specifying the Average Annual Turnover and net worth of the Bidder and also specifying the methodology adopted for calculating such Average Annual Turnover and net worth in accordance with Clause 2.2.5(ii) of the RFP document.

APPENDIX IA
ANNEX-IV
DETAILS OF ELIGIBLE PROJECTS
(Refer to Clauses 3.4 and 3.5 of the RFP)

Project Code:

Member Code:

| Item (1) | Refer Instruction (2) | Particulars of the Project (3) |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title & nature of the project | | |
| Category | 5 | |
| Year-wise (a) payments received/ made for construction, (b) payments made for development of PPP projects and/ or (c) revenues appropriated | 6 | |
| Entity for which the project was constructed / developed | 7 | |
| Location | | |
| Project cost | 8 | |
| Date of commencement of project/ contract | | |
| Date of completion/ Commissioning | 9 | |
| Population | | |
| Number of connections | | |
| Components covered | | a) Civil Work <input type="checkbox"/> b) Water / Sewer house service connection <input type="checkbox"/> c) Supply and fixing of water meter <input type="checkbox"/> d) O&M covering b above <input type="checkbox"/> e) Billing software <input type="checkbox"/> f) Related Hardware <input type="checkbox"/> g) Related communication system <input type="checkbox"/> |
| Equity shareholding (with period during which equity was held) | 10 | |
| Whether credit is being taken for the Eligible Experience of an Associate (Yes/ No) | 16 | |

Instructions:

- 1) Bidders are expected to provide information in respect of each Eligible Projects in this Annex. The projects cited must comply with criteria specified in Clause 3.4 of the RFP, as the case may be. Information provided in this section is intended to serve as a backup for information provided in the Bid. Bidders should also refer to the Instructions below.

- 2) For a single entity Bidder, the Project Codes would be a, b, c, d etc. In case the Bidder is a Consortium then for Member 1, the Project Codes would be 1a, 1b, 1c, 1d etc, and so on.
- 3) A separate sheet should be filled for each Eligible Project.
- 4) Member Code shall indicate NA for Not Applicable in case of a single entity Bidder. For other Members, the following abbreviations are suggested viz. LM means Lead Member, and OM means Other Member. In case the Eligible Project relates to an Associate of the Bidder or its Member, write "Associate" along with Member Code.
- 5) Refer to Clause 3.4 of the RFP for category number.
- 6) The total payments received/ made and/or revenues appropriated for each Eligible Project are to be stated in Annex-II of this Appendix-IA. The figures to be provided here should indicate the break-up for the past 7 (seven) financial years. Year 1 refers to the financial year immediately preceding the Bid Due Date; Year 2 refers to the year before Year 1, Year 3 refers to the year before Year 2, and so on (Refer Clause 2.1.19). For Categories 1, expenditure on development of the project and/or revenues appropriated, as the case may be, should be provided, but only in respect of projects having an estimated capital cost exceeding the amount specified in Clause 3.4.3(c). In case of Categories 2, payments made/ received only in respect of construction should be provided, but only if the amount paid/received exceeds the minimum specified in Clause 3.4.4. Payment for construction works should only include capital expenditure, and should not include expenditure on repairs and maintenance.
- 7) In case of projects in Category 1, particulars such as name, address and contact details of owner/ Authority/ Agency (i.e. concession grantor, counter party to PPA, etc.) may be provided. In case of projects in Category 3, similar particulars of the client need to be provided.
- 8) Provide the capital cost of Eligible Project. Refer to Clauses 3.4
- 9) For Category 1, the date of commissioning of the project, upon completion, should be indicated. In case of Category 2, date of completion of construction should be indicated. In the case of projects under construction, the likely date of completion or commissioning, as the case may be, shall be indicated.
- 10) For Category 1, the equity shareholding of the Bidder, in the company owning the Eligible Project, held continuously during the period for which Eligible Experience is claimed, needs to be given (Refer Clause 3.4).
- 11) Experience for any activity relating to an Eligible Project shall not be claimed by two or more Members of the Consortium. In other words, no double counting by a Consortium in respect of the same experience shall be permitted in any manner whatsoever.
- 12) Certificate from the Bidder's statutory auditor or its respective clients must be furnished as per formats below for each Eligible Project. In jurisdictions that do not have statutory auditors, the auditors who audit the annual accounts of the Bidder/ Member/Associate may provide the requisite certification.

- 13) If the Bidder is claiming experience under Category 1⁸, it should provide a certificate from its statutory auditor in the format below:

Certificate from the Statutory Auditor regarding PPP projects⁹

Based on its books of accounts and other published information authenticated by it, this is to certify that (name of the Bidder/Member/Associate) is/ was an equity shareholder in (title of the project company) and holds/held Rs. cr. (Rupees crore) of equity (which constitutes%¹⁰ of the total paid up and subscribed equity capital) of the project company from (date) to (date)¹¹. The project was/is likely to be commissioned on (date of commissioning of the project).

We further certify that the total estimated capital cost of the project is Rs. cr. (Rupeescrore), of which Rs. cr. (Rupees crore) of capital expenditure was incurred during the past seven financial years as per year-wise details noted below:

.....
.....

We also certify that the eligible annual revenues collected and appropriated by the aforesaid project company in terms of Clauses 3.4 of the RFP during the past seven financial years were Rs. cr. as per year-wise details noted below:

.....
.....

Name of the audit firm:

Seal of the audit firm:

Date:

(Signature, name and designation of the authorised signatory)

- 14) If the Bidder is claiming experience under Category 3¹², it should provide a certificate from its statutory auditors or the client in the format below:

Certificate from the Statutory Auditor/ Client regarding construction works¹³

Based on its books of accounts and other published information authenticated by it, {this is to certify that (name of the Bidder/Member/Associate) was engaged by (title of the project company) to execute (name of project) for (nature of project)}¹⁴. The construction of the

⁸Refer Clause 3.4.1 of the RFP.

⁹Provide Certificate as per this format only. Attach Explanatory Notes to the Certificate, if necessary. Statutory auditor means the entity that audits and certifies the annual accounts of the company.

¹⁰Refer instruction no. 10 in this Annex-IX.

¹¹In case the project is owned by the Bidder company, this language may be suitably modified to read: "It is certified that (name of Bidder) constructed and/ or owned the (name of project) from (date) to (date)."

Refer Clauses 3.4.1 and 3.4.4 of the RFP.

¹³Provide Certificate as per this format only. Attach Explanatory Notes to the Certificate, if necessary. Statutory auditor means the entity that audits and certifies the annual accounts of the company.

¹⁴In case the Bidder owned the Eligible Project and engaged a contractor for undertaking the construction works, this language may be modified to read: " this is to certify that (name of Bidder/ Member/ Associate) held 26% or more of the paid up and subscribed share capital in the..... (name of Project company) when it undertook construction of the (name of Project) through....."

project commenced on (date) and the project was/ is likely to be commissioned on (date, if any). It is certified that (name of the Bidder/ Member/ Associate) received/paid Rs. cr. (Rupees crore) by way of payment for the aforesaid construction works.

We further certify that the total estimated capital cost of the project is Rs. cr. (Rupeescrore), of which the Bidder/Member/Associate received/paid Rs. cr. (Rupees crore), in terms of Clauses 3.4 of the RFP, during the past seven financial years as per year-wise details noted below:

.....

.....

{It is further certified that the payments/ receipts indicated above are restricted to the share of the Bidder who undertook these works as a partner or a member of joint venture/ Consortium.}¹⁵

Name of the audit firm:

Seal of the audit firm:

Date

(Signature, name and designation
of the authorised signatory).

- 15) In the event that credit is being taken for the Eligible Experience of an Associate, as defined in Clause 2.1.16, the Bidder should also provide a certificate in the format below

Certificate from Statutory Auditor/ Company Secretary regarding Associate¹⁶

Based on the authenticated record of the Company, this is to certify that more than 50% (fifty per cent) of the subscribed and paid up voting equity of (name of the Associate) is held, directly or indirectly¹⁷, by (name of Bidder / Consortium Member). By virtue of the aforesaid share-holding, the latter exercises control over the former, who is an Associate in terms of Clause 2.1.18 of the RFP.

(name of the contractor).

¹⁵This certification should only be provided in case of jobs/ contracts, which are executed as part of a partnership/ joint venture/ consortium. The payments indicated in the certificate should be restricted to the share of Bidder in such partnership/ joint venture/ consortium. This portion may be omitted if the contract did not involve a partnership/ joint venture/ consortium. In case where work is not executed by partnership/ joint venture/ consortium, this paragraph may be deleted.

¹⁶In the event that the Bidder/ Consortium Member exercises control over an Associate by operation of law, this certificate may be suitably modified and copies of the relevant law may be enclosed and referred to.

¹⁷In the case of indirect share-holding, the intervening companies in the chain of ownership should also be Associates i.e., the share-holding in each such company should be more than 50% in order to establish that the chain of "control" is not broken.

A brief description of the said equity held, directly or indirectly, is given below:

{Describe the share-holding of the Bidder/ Consortium Member in the Associate}

Name of the audit firm:

Seal of the audit firm:

(Signature, name and designation of Date:
the authorised signatory)

Date:

- 16) It may be noted that in the absence of any detail in the above certificates, the information would be considered inadequate and could lead to exclusion of the relevant project in computation of Experience Score¹⁸.

¹⁸Refer Clause 3.4.7 of the RFP.

**APPENDIX IA
ANNEX-V
STATEMENT OF LEGAL CAPACITY**

(To be forwarded on the letterhead of the Bidder/ Lead Member of Consortium)

Ref. Date:

To,

.....

.....

.....

Dear Sir,

We hereby confirm that we/ our members in the Consortium (constitution of which has been described in the Bid) satisfy the terms and conditions laid out in the RFP document.

We have agreed that (insert member's name) will act as the Lead Member of our consortium*.

We have agreed that (insert individual's name) will act as our representative/ will act as the representative of the consortium on its behalf* and has been duly authorized to submit the RFP. Further, the authorised signatory is vested with requisite powers to furnish such letter and authenticate the same.

Thanking you,

Yours faithfully,

(Signature, name and designation of the authorised signatory)

For and on behalf of.....

**Please strike out whichever is not applicable.*

APPENDIX IA

ANNEX-VI O&M CAPACITY

(Refer to Clauses 3.4 of the RFP)

Member Code:

| Item (1) | Particulars of the Project (3) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title & nature of the project | |
| Description of the Project | |
| Value of Contract | |
| Scope of service provided | |
| Date of commencement of project / contract | |
| Date of completion /commissioning | |
| Year-wise (a) payments received/ made for Operations | |
| Name of the Project Owner | |
| Population | |
| Number of water connections | |
| Tasks Covered | O&M covering: a) Civil Work <input type="checkbox"/> b) Water / Sewer house service connection <input type="checkbox"/> c) Supply and fixing of water meter <input type="checkbox"/> d) Billing software <input type="checkbox"/> e) Related Hardware <input type="checkbox"/> f) Related communication system <input type="checkbox"/> |
| | |
| Location | |
| Detailed Description of the project | |
| | |
| | |
| | |
| Did the bidder operate and maintain 10,000 water meters along with associated communication systems, billing software and hardware or 2 Projects of not less than 5,000 water meters each along with associated communication systems, billing software and hardware | |

The above form to be certified by the Statutory Auditor of the Bidder or the respective client to whom the above O&M services were provided by the Bidder

APPENDIX IB
LETTER COMPRISING THE FINANCIAL BID
(Refer Clauses 2.1.5, 2.11.1 and 3.2)

(NOT TO BE SUBMITTED IN THE TECHNICAL BID)

To,

Sub: Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of 1.0 Lakh Smart Water Meters with Associated Communication and Billing System in Chennai City, under Hybrid Annuity Model (HAM) for a period of 12 Years

Dear Sir,

1. With reference to your RFP document dated *** **, I/we, having examined the Bidding Documents and understood their contents, hereby submit my/our Bid for the aforesaid Project. The Bid is unconditional and unqualified.
2. I/ We acknowledge that the Authority will be relying on the information provided in the Bid and the documents accompanying the Bid for selection of the Concessionaire for the aforesaid Project, and we certify that all information provided in the Bid are true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying the Bid are true copies of their respective originals.
3. The Bid has been quoted by me/us after taking into consideration all the terms and conditions stated in the RFP, Draft Concession Agreement and its Schedules, our own estimates of costs and after a careful assessment of the site and all own the conditions that may affect the Project cost and implementation of the Project.
4. I/ We acknowledge the right of the Authority to reject our Bid without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
5. In the event of my/ our being declared as the Selected Bidder, I/we agree to enter into a Concession Agreement in accordance with the draft that has been provided to me/us prior to the Bid Due Date. We agree not to seek any changes in the aforesaid draft and agree to abide by the same.
6. I/ We shall keep this offer valid for 180 (one hundred and eighty) days from the Bid Due Date specified in the RFP.

Date:

Place:

Yours faithfully,

(Signature of the Authorised signatory)

(Name and designation of the of the Authorised signatory)

Name and seal of Bidder/Lead Member

APPENDIX IB

ANNEX-I BID PRICE SHEET

(To be uploaded on to the Portal as a BOQ Excel file)

Date:

To,

Sub: Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of 1.0 Lakh Smart Water Meters with Associated Communication and Billing System in Chennai City, under Hybrid Annuity Model (HAM) for a period of 12 Years

Dear Sir,

We have gone through the RFP and having fully understood the Scope of Work for the Project as set out in the RFP, we are pleased to submit the following Financial Proposal:

| Sl. No | Particulars | Amount in Figure | Amount in Words |
|--------|--------------------------------------|------------------|-----------------|
| 1 | Bid Project Cost (Construction Cost) | | |
| 2 | O&M Cost for the first year | | |
| | Total Bid Cost (1 + 2) | | |

We have reviewed all the terms and conditions of the RFP and undertake to abide by all the terms and conditions contained therein. We hereby declare that there are, and shall be, no deviations from the stated terms in the RFP.

Date:

Place:

Yours faithfully,
(Signature of the Authorised signatory)

(Name and designation of the of the Authorised signatory)
Name and seal of Bidder/Lead Member

APPENDIX II
BANK GUARANTEE FOR BID SECURITY
(Refer Clauses 2.1.6 and 2.21.1)

B.G. No. Dated:

- 1) In consideration of you,, having its office at, (hereinafter referred to as the "Authority", which expression shall unless it be repugnant to the subject or context thereof include its, successors and assigns) having agreed to receive the Bid of(a company registered under the Companies Act, 1956/2013) and having its registered office at (and acting on behalf of its Consortium) (hereinafter referred to as the "Bidder" which expression shall unless it be repugnant to the subject or context thereof include its/their executors, administrators, successors and assigns), for the Project on PPP basis (hereinafter referred to as "the Project") pursuant to the RFP Document dated issued in respect of the Project and other related documents including without limitation the draft Concession Agreement (hereinafter collectively referred to as "Bidding Documents"), we (Name of the Bank) having our registered office at and one of its branches at (hereinafter referred to as the "Bank"), at the request of the Bidder, do hereby in terms of Clause 2.1.6 read with Clause 2.1.7 of the RFP Document, irrevocably, unconditionally and without reservation guarantee the due and faithful fulfilment and compliance of the terms and conditions of the Bidding Documents (including the RFP Document) by the said Bidder and unconditionally and irrevocably undertake to pay forthwith to the Authority an amount of Rs. (Rupees only) (hereinafter referred to as the "Guarantee") as our primary obligation without any demur, reservation, recourse, contest or protest and without reference to the Bidder if the Bidder shall fail to fulfil or comply with all or any of the terms and conditions contained in the said Bidding Documents.
- 2) Any such written demand made by the Authority stating that the Bidder is in default of the due and faithful fulfilment and compliance with the terms and conditions contained in the Bidding Documents shall be final, conclusive and binding on the Bank.
- 3) We, the Bank, do hereby unconditionally undertake to pay the amounts due and payable under this Guarantee without any demur, reservation, recourse, contest or protest and without any reference to the Bidder or any other person and irrespective of whether the claim of the Authority is disputed by the Bidder or not, merely on the first demand from the Authority stating that the amount claimed is due to the Authority by reason of failure of the Bidder to fulfil and comply with the terms and conditions contained in the Bidding Documents including failure of the said Bidder to keep its Bid open during the Bid validity period as set forth in the said Bidding Documents for any reason whatsoever. Any such demand made on the Bank shall be conclusive as regards amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs. (Rupees only).
- 4) This Guarantee shall be irrevocable and remain in full force for a period of 180 (one hundred and eighty) days from the Bid Due Date inclusive of a claim period of 60 (sixty) days or for such extended period as may be mutually agreed between the Authority and the Bidder, and agreed to by the Bank, and shall continue to be enforceable till all amounts under this Guarantee have been paid.

- 5) We, the Bank, further agree that the Authority shall be the sole judge to decide as to whether the Bidder is in default of due and faithful fulfilment and compliance with the terms and conditions contained in the Bidding Documents including, inter alia, the failure of the Bidder to keep its Bid open during the Bid validity period set forth in the said Bidding Documents, and the decision of the Authority that the Bidder is in default as aforesaid shall be final and binding on us, notwithstanding any differences between the Authority and the Bidder or any dispute pending before any Court, Tribunal, Arbitrator or any other authority.
- 6) The Guarantee shall not be affected by any change in the constitution or winding up of the Bidder or the Bank or any absorption, merger or amalgamation of the Bidder or the Bank with any other person.
- 7) In order to give full effect to this Guarantee, the Authority shall be entitled to treat the Bank as the principal debtor. The Authority shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee from time to time to vary any of the terms and conditions contained in the said Bidding Documents or to extend time for submission of the Bids or the Bid validity period or the period for conveying acceptance of Letter of Award by the Bidder or the period for fulfilment and compliance with all or any of the terms and conditions contained in the said Bidding Documents by the said Bidder or to postpone for any time and from time to time any of the powers exercisable by it against the said Bidder and either to enforce or forbear from enforcing any of the terms and conditions contained in the said Bidding Documents or the securities available to the Authority, and the Bank shall not be released from its liability under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the said Bidder or any other forbearance, act or omission on the part of the Authority or any indulgence by the Authority to the said Bidder or by any change in the constitution of the Authority or its absorption, merger or amalgamation with any other person or any other matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of releasing the Bank from its such liability.
- 8) Any notice by way of request, demand or otherwise hereunder shall be sufficiently given or made if addressed to the Bank and sent by courier or by registered mail to the Bank at the address set forth herein.
- 9) We undertake to make the payment on receipt of your notice of claim on us addressed to [name of Bank along with branch address] and delivered at our above branch which shall be deemed to have been duly authorised to receive the said notice of claim.
- 10) It shall not be necessary for the Authority to proceed against the said Bidder before proceeding against the Bank and the guarantee herein contained shall be enforceable against the Bank, notwithstanding any other security which the Authority may have obtained from the said Bidder or any other person and which shall, at the time when proceedings are taken against the Bank hereunder, be outstanding or unrealized.
- 11) We, the Bank, further undertake not to revoke this Guarantee during its currency except with the previous express consent of the Authority in writing.
- 12) The Bank declares that it has power to issue this Guarantee and discharge the obligations contemplated herein, the undersigned is duly authorised and has full power to execute this Guarantee for and on behalf of the Bank.

- 13) For the avoidance of doubt, the Bank's liability under this Guarantee shall be restricted to Rs. crore (Rupees crore only). The Bank shall be liable to pay the said amount or any part thereof only if the Authority serves a written claim on the Bank in accordance with paragraph 9 hereof, on or before (indicate date falling 180 days after the Bid Due Date)].
- 14) This guarantee shall also be operatable at ourBranch at _____, from whom, confirmation regarding the issue of this guarantee or extension/renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment thereunder claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation.

Signed and Delivered by _____ Bank
By the hand of Mr./Ms,
its and authorised official
(Signature of the Authorised Signatory)
(Official Seal)

APPENDIXIII
POWER OF ATTORNEY FOR SIGNING OF BID

(Refer Clause 2.1.8)

Know all men by these presents, We (name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorise Mr/ Ms (name), son/daughter/wife of and presently residing at, who is presently employed with us/ the Lead Member of our Consortium and holding the position of, as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid for the _____ Project proposed or being developed by the (the "Authority") including but not limited to signing and submission of all applications, Bids and other documents and writings, participate in Pre-Bids and other conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the Concession Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Concession Agreement with the Authority.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE,, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF 2....

For _____

(Signature, name, designation and address)

of person authorized by Board
Resolution (in case of
Firms/Company)/Partner in case of
Partnership Firms

Witnesses:

- 1.
- 2.

Notarised

Notarised

Person identified by me/personally appeared before me
/signed before me/Attested/Authenticated*

(*Notary to specify as applicable)

(Signature, Name and Address of the Notary)

Seal of the Notary
Registration Number of the Notary
Date_____

Accepted

(Signature, name, designation and address of the Attorney)

Notes:

- *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*
- *Wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a board or shareholders resolution/power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.*
- *For a Power of Attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Apostille certificate.*

APPENDIX IV
POWER OF ATTORNEY FOR LEAD MEMBER OF CONSORTIUM

(Refer Clause 2.1.9)

Whereas the ("the Authority") has invited Bids from interested parties for the Project (the "Project").

Whereas, and

(collectively the "Consortium") being Members of the Consortium are interested in bidding for the Project in accordance with the terms and conditions of the Request for Proposal (RFP) and other connected documents in respect of the Project, and

Whereas, it is necessary for the Members of the Consortium to designate one of them as the Lead Member with all necessary power and authority to do for and on behalf of the Consortium, all acts, deeds and things as may be necessary in connection with the Consortium's bid for the Project and its execution.

NOW THEREFORE KNOW ALL MEN BY THESE PRESENTS

We,having our registered office at,
M/s.....having our registered office at,
....., (hereinafter collectively referred to as the "Principals") do hereby irrevocably designate, nominate, constitute, appoint and authorise M/s.....having its registered office at....., being one of the Members of the Consortium, as the Lead Member and true and lawful attorney of the Consortium (hereinafter referred to as the "Attorney"). We hereby irrevocably authorise the Attorney (with power to sub-delegate) to conduct all business for and on behalf of the Consortium and any one of us during the bidding process and, in the event the Consortium is awarded the concession/contract, during the execution of the Project and in this regard, to do on our behalf and on behalf of the Consortium, all or any of such acts, deeds or things as are necessary or required or incidental to the qualification of the Consortium and submission of its bid for the Project, including but not limited to signing and submission of all applications, Bids and other documents and writings, accept the Letter of Award, participate in bidders' and other conferences, respond to queries, submit information/ documents, sign and execute contracts and undertakings consequent to acceptance of the bid of the Consortium and generally to represent the Consortium in all its dealings with the Authority, and/ or any other government Agency or any person, in all matters in connection with or relating to or arising out of the Consortium's bid for the Project and/ or upon award thereof till the Concession Agreement is entered into with the Authority.

AND hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us/ Consortium.

IN WITNESS WHEREOF WE THE PRINCIPALS ABOVE NAMED HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF.....2.....

For

(Signature, Name & Title)

For

(Signature, Name & Title)

For
(Signature, Name & Title)

Witnesses:

- 1.
- 2.

(Executants)

(To be executed by all the Members of the Consortium)

Notes:

- *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*
- *Wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.*
- *For a Power of Attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Apostille certificate.*

APPENDIX V

JOINT BIDDING AGREEMENT FOR CONSORTIUM

(Refer Clause 2.1.9 & 2.1.15(g))

(To be executed on Stamp paper of appropriate value)

THIS JOINT BIDDING AGREEMENT is entered into on this the day of 20...

AMONGST

1. {..... Limited, and having its registered office at} (hereinafter referred to as the "First Part" which expression shall, unless repugnant to the context include its successors and permitted assigns)

AND

2. {..... Limited, having its registered office at} and (hereinafter referred to as the "Second Part" which expression shall, unless repugnant to the context include its successors and permitted assigns)

The above mentioned parties of the FIRST and SECOND PART are collectively referred to as the "Parties" and each is individually referred to as a "Party"

WHEREAS,

(A) _____, established under the _____ Act, represented by its _____ and having its principal offices at _____ (hereinafter referred to as the "Authority" which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) has invited bids (the Bids") by its Request for Proposal No. dated (the "RFP") for award of contract for _____ (the "Project") through public private partnership.

(B) The Parties are interested in jointly bidding for the Project as members of a Consortium and in accordance with the terms and conditions of the RFP document and other bid documents in respect of the Project, and

(C) It is a necessary condition under the RFP document that the members of the Consortium shall enter into a Joint Bidding Agreement and furnish a copy thereof with the Bid.

NOW IT IS HEREBY AGREED as follows

1. Definitions and Interpretations

In this Agreement, the capitalised terms shall, unless the context otherwise requires, have the meaning ascribed thereto under the RFP.

2. Consortium

2.1. The Parties do hereby irrevocably constitute a consortium (the "Consortium") for the purposes of jointly participating in the Bidding Process for the Project.

2.2. The Parties hereby undertake to participate in the Bidding Process only through this Consortium and not individually and/ or through any other consortium constituted for this Project, either directly or indirectly or through any of their Associates.

3. Covenants

The Parties hereby undertake that in the event the Consortium is declared the selected Bidder and awarded the Project, it shall incorporate a special purpose vehicle (the "SPV") under the Indian Companies Act 1956/2013 for entering into a Concession Agreement with the Authority and for performing all its obligations as the Concessionaire in terms of the Concession Agreement for the Project.

4. Role of the Parties

The Parties hereby undertake to perform the roles and responsibilities as described below:

(a) Party of the First Part shall be the Lead member of the Consortium and shall have the power of attorney from all Parties for conducting all business for and on behalf of the Consortium during the Bidding Process and until the Appointed Date under the Concession Agreement when all the obligations of the SPV shall become effective;

(b) Party of the Second Part shall be {_____}

5. Joint and Several Liability

The Parties do hereby undertake to be jointly and severally responsible for all obligations and liabilities relating to the Project and in accordance with the terms of the RFP and the Concession Agreement, till such time as the Financial Close for the Project is achieved under and in accordance with the Concession Agreement.

6. Shareholding in the SPV

6.1. The Parties agree that the proportion of shareholding among the Parties in the SPV shall be as follows:

First Party:

Second Party:

6.2. Subject to the terms of the Concession Agreement, the Parties undertake that, except with the prior written consent of the Authority, Neither the Parties nor the Special Purpose Company shall permit a change in the above stated shareholding pattern of the Special Purpose Company so that the Parties are in compliance with the following restrictions:

6.2.1. The Parties acknowledge that the Consortium Members whose Technical Capacity and Financial Capacity have been submitted for qualifying in this Bid shall subscribe and hold until the 2nd (second) anniversary of the date of commercial operation of the Project, equity share capital in a manner that: (i) the Member whose Technical Capacity had been evaluated shall hold not less than 51% (fifty one percent) of the subscribed and paid-up equity of the Concessionaire and the Member whose Financial Capacity had been evaluated shall hold not less than 26% (twenty six percent) of the subscribed and paid-up equity of the Concessionaire and (ii) together all the members of the Consortium shall hold 100% (hundred percent) of the subscribed and paid-up equity of the Concessionaire. After the third anniversary of the date of the commercial operation of the Project, the Consortium Members whose Financial Capacity had been

evaluated shall be permitted to exit the Concessionaire. The Member whose Technical Capacity in relation to O&M experience had been evaluated shall continue to hold not less than 26% (twenty-six percent) of the subscribed and paid-up equity of the Concessionaire. Provided further that the Consortium Members shall together continue to hold 51% (fifty-one percent) of the subscribed and paid-up equity of the Concessionaire of which the Member whose Technical Capacity in relation to O&M experience had been evaluated, shall hold not less than 26% (twenty-six percent) of the subscribed and paid-up equity of the Concessionaire. The following table depicts the requirement of the shareholding as explained hereinabove in Clause 2.3.1.

| S. No | Year from CoD | Total Shareholding to be held by the Consortium | Shareholding which can be held by entity outside Consortium | Minimum Shareholding of the members of the Consortium | | | Cumulative Shareholding of Consortium members should be (d = a + b + c) |
|-------|---------------|-------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------|---------------|------------|-------------------------------------------------------------------------|
| | | | | Technical (a) | Financial (b) | Others (c) | |
| 1 | 0-2 | 100% | 0% | 51% | 26% | - | 100% |
| 2 | 3-10 | 51% | 49% | 26%* | - | - | 51% |

* Applicable to the partner bringing O&M experience as part of the consortium

6.2.2. The Parties undertake that, we comply the requirement that, in the event change in control occurs after signing of the Concession Agreement but prior to Financial Close of the Project, it would, notwithstanding anything to the contrary contained in the Concession Agreement, be deemed to be a breach of the terms of the Concession Agreement and the Concession Agreement shall be liable to be terminated without the Authority being liable in any manner whatsoever to the Concessionaire. We further confirm that, in such an event, notwithstanding anything to the contrary contained in the Concession Agreement, the Authority shall be entitled to forfeit and appropriate the Bid Security or Performance Security, as Damages, without prejudice to any other right or remedy that may be available to the Authority under the Bidding Documents and/ or the Concession Agreement or otherwise.

6.2.3. The Parties undertake that they shall comply with all equity lock-in requirements set forth in the Concession Agreement

7. Representation of the Parties

Each Party represents to the other Parties as of the date of this Agreement that:

- a) Such Party is duly organised, validly existing and in good standing under the laws of its incorporation and has all requisite power and authority to enter into this Agreement;
- b) The execution, delivery and performance by such Party of this Agreement has been authorised by all necessary and appropriate corporate or governmental action and a copy of the extract of the charter documents and board resolution/ power of attorney in favour of the person executing this Agreement for the delegation of power and authority to execute this Agreement on behalf of the Consortium Member is annexed to this Agreement, and will not, to the best of its knowledge:
 - i. require any consent or approval not already obtained;
 - ii. violate any Applicable Law presently in effect and having applicability to it;
 - iii. violate the memorandum and articles of association, by-laws or other applicable organisational documents thereof;

- iv. violate any clearance, permit, concession, grant, license or other governmental authorisation, approval, judgement, order or decree or any mortgage agreement, indenture or any other instrument to which such Party is a party or by which such Party or any of its properties or assets are bound or that is otherwise applicable to such Party; or
 - v. create or impose any liens, mortgages, pledges, claims, security interests, charges or Encumbrances or obligations to create a lien, charge, pledge, security interest, encumbrances or mortgage in or on the property of such Party, except for encumbrances that would not, individually or in the aggregate, have a material adverse effect on the financial condition or prospects or business of such Party so as to prevent such Party from fulfilling its obligations under this Agreement;
- c) this Agreement is the legal and binding obligation of such Party, enforceable in accordance with its terms against it; and
 - d) there is no litigation pending or, to the best of such Party's knowledge, threatened to which it or any of its Affiliates is a party that presently affects or which would have a material adverse effect on the financial condition or prospects or business of such Party in the fulfilment of its obligations under this Agreement.

8. Termination

This Agreement shall be effective from the date hereof and shall continue in full force and effect until the Financial Close of the Project is achieved under and in accordance with the Concession Agreement, in case the Project is awarded to the Consortium. However, in case the Consortium is either not pre-qualified for the Project or does not get selected for award of the Project, the Agreement will stand terminated in case the Bidder is not pre-qualified or upon return of the Bid Security by the Authority to the Bidder, as the case may be.

9. Miscellaneous

9.1. This Joint Bidding Agreement shall be governed by laws of {India}.

9.2. The Parties acknowledge and accept that this Agreement shall not be amended by the Parties without the prior written consent of the Authority.

IN WITNESS WHEREOF THE PARTIES ABOVE NAMED HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED, SEALED AND DELIVERED
For and on behalf of LEAD MEMBER by:
(Signature)
(Name)
Designation)
Address)

SIGNED, SEALED AND DELIVERED
For and on behalf of LEAD MEMBER by:
(Signature)
(Name)
Designation)
Address)

In the presence of:
Witness:

1.

2.

Notes:

- *The mode of the execution of the Joint Bidding Agreement should be in accordance with the procedure, if any, laid down by the Applicable Law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*
- *Each Joint Bidding Agreement should attach a copy of the extract of the charter documents and documents such as resolution / power of attorney in favour of the person executing this Agreement for the delegation of power and authority to execute this Agreement on behalf of the Consortium Member.*
- *For a Joint Bidding Agreement executed and issued overseas, the document shall be legalised by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney has been executed.*

APPENDIX VI

CERTIFICATE REGARDING COMPLIANCE

(To be on the letter of the Bidder/ Each Member of the Consortium)
Certificate regarding Compliance with Restrictions under Rule 144 (xi) of the
General Financial Rules (GFRs)

To,

Sub: Procurement, Testing, Installation, Commissioning, Operation, and Maintenance of 1.0 Lakh Smart Water Meters with Associated Communication and Billing System in Chennai City, under Hybrid Annuity Model (HAM) for a period of 12 Years

Dear Sir,

With reference to your RFP document dated *** **, I/we, having examined the Bidding Documents and understood their contents, hereby undertake and confirm as follows: I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries;

I certify that this Bidder is not from such a country or, if from such a country, has been registered with the Competent Authority as defined in Public Procurement Order no. F.no.6/18/2019- PPD dated 23rd July 2020 and more so specified in G.O.Ms.No.343, dated 18th September 2020 issued by Finance (Salaries) Department, Govt. of Tamil Nadu and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered.

Yours faithfully,
(Signature of the Authorised signatory)
(Name and designation of the of the Authorised signatory)
Name and seal of Bidder/Each Member of the Consortium

Notes:

{Where applicable, evidence of valid registration by the Competent Authority shall be attached}

In case the above certification is found to be false, this would be a ground for immediate rejection of Bid/termination and further legal action in accordance with law.

APPENDIX VII

ANNEX 1 PROJECT TECHNICAL REQUIREMENTS

| Sl. No | Description of work |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope of Work | |
| I | Preliminary Activities |
| 1 | Review of the Consumer data available with the Authority, the existing billing and collection systems of the Authority and systems associated with the same |
| 2 | A well planned citizen engagement program should be formulated precede this construction activity. A detailed work plan, review of existing assets, procedures and come out with construction and operations plan. |
| II | Construction Activities |
| 1 | Supplying, installation and commissioning of domestic battery-operated AMI Ultrasonic/ Electromagnetic Smart water meters including fixing of MDPE pips, specials, surface box for protection of meters and construction of meter chambers (wherever necessary). |
| 2 | Supply , testing , installation , commissioning of cloud based AMI Infrastructure including Head End System (HES) , Meter Data Management System (MDMS) , Billing Integration and customised Apps development. |
| 3 | Operation and Maintenance of meters for 10 years. |
| III | GIS based door to door Real Time Kinematics (RTK) capturing the installation of Smart water meters in the households service connections in the existing GIS asset map of the Authority. |
| IV | Establishment of Customer Relationship Management Centre |

Construction Activities

| Sl. No | Description of work |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Supplying, Installation, testing and commissioning of battery-operated AMI Ultrasonic/ Electromagnetic Smart water meters for the following sizes |
| | 15mm |
| | 20mm |
| | 25mm |
| | 32 mm |
| | 40 mm |
| B | Supply and delivery of protection box of size 20cm x 30cm for fixing of Water Meter. The box should be rectangular base in construction and material of construction should be weather resistant polyethylene (PE) blue /black. Reinforcement ribs should be provided at the walls of the box. Box should be at two components comprising body and lid. Lid should be press fitted to the body. No hinges should be used for opened /closed. Operation meter box should be provided with built in lock. The body as inlet and outlet windows to pass the pipe through suitable for use with pipes of sizes up to 1" Base of the box should be designed in such a way That the box can be installed to the floor/wall using anchor Bolts / screws without grouting the entire base of the meter Box. Provision for fixing Name plate showing the name of the Department etc., complete and as directed by the CMWSS Board Officers. . |
| C | Construction of Meter chambers with earth work excavation for foundation, 23cm thick concrete bed using 40mm Brick jelly concrete in C.M. 1:4:10 for foundation, brick work in C.M. 1:6 for chambers, plastering with C.M. 1:3 12mm thick, benching, channelling, Supplying and fixing 45cmx45cm FRC cover and Frame etc., complete for 60 x 60 x 150cm |
| D | Fixing of Smart Water Meters including MDPE Pipes & Specials (Union, Male Threaded Adaptor, U PVC ball valve, Coupler & GM Non return Valve and any other necessary specials based on site conditions) for the following sizes |
| | 15mm |
| | 20mm |
| | 25mm |
| | 32 mm |
| | 40 mm |
| E | Operation & Maintenance |
| | O&M of entire metering system for 10 years including serving demand notice to the consumers in a digital form, on a monthly basis. |

SIZE OF METERS TO BE FIXED

| Sl. No | Area | Size of Connections in mm | | | | | | Meter chamber | |
|--------------|------|---------------------------|---------------|--------------|-----------|-----------|----------------|---------------|---------------|
| | | 15 | 20 | 25 | 32 | 40 | Total | Available | Not Available |
| 1 | I | 800 | 0 | 0 | 0 | 0 | 800 | 0 | 800 |
| 2 | II | 223 | 0 | 0 | 0 | 0 | 223 | 0 | 223 |
| 3 | III | 1,755 | 265 | 12 | 0 | 0 | 2,032 | 0 | 2,032 |
| 4 | IV | 4,713 | 115 | 0 | 0 | 1 | 4,829 | 0 | 4,829 |
| 5 | V | 9,470 | 0 | 1 | 0 | 0 | 9,471 | 0 | 9,471 |
| 6 | VI | 7,848 | 0 | 1 | 0 | 0 | 7,849 | 0 | 7,849 |
| 7 | VII | 8,611 | 249 | 43 | 1 | 0 | 8,904 | 2,328 | 6,576 |
| 8 | VIII | 9,164 | 5,767 | 139 | 0 | 18 | 15,088 | 1,479 | 13,609 |
| 9 | IX | 9,153 | 5,639 | 181 | 3 | 2 | 14,978 | 3,843 | 11,135 |
| 10 | X | 8,960 | 5,590 | 932 | 12 | 0 | 15,494 | 5,077 | 10,417 |
| 11 | XI | 4,028 | 0 | 7 | 15 | 1 | 4,051 | 0 | 4,051 |
| 12 | XII | 2,896 | 267 | 6 | 1 | 13 | 3,183 | 519 | 2,664 |
| 13 | XIII | 4,609 | 763 | 523 | 1 | 3 | 5,899 | 0 | 5,899 |
| 14 | XIV | 4,644 | 2 | 2 | 0 | 0 | 4,648 | 1,526 | 3,122 |
| 15 | XV | 2,452 | 96 | 1 | 1 | 1 | 2,551 | 0 | 2,551 |
| Total | | 79,326 | 18,753 | 1,848 | 34 | 39 | 100,000 | 14,772 | 85,228 |

| | | | | | | | | |
|-------------------|---------------|---------------|--------------|-----------|-----------|---------------|---------------|---------------|
| Core Area | 53,917 | 17,874 | 1,777 | 16 | 24 | 73,608 | 10,399 | 63,209 |
| Added Area | 25,409 | 879 | 71 | 18 | 15 | 26,392 | 4,373 | 22,019 |

APPENDIX VII

ANNEX 2 COMPLIANCE SHEET

| Sl. No. | Particulars | Compliance (YES/NO) | Documentary Proof Page no. |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
| 1 | Meter Measurement technology (Electromagnetic or Ultrasonic), LCD display, IP68, facility for report communication interface | YES/NO | |
| 2 | Meter approvals and certification <ul style="list-style-type: none"> OIML R 49 and or ISO 4064 Manufacturing plant - Quality Certificate <ul style="list-style-type: none"> ISO 9001 | YES/NO YES/NO | |
| 3 | Performance and Endurance Certificate from FCRI is submitted for each size of meter | YES/NO | |
| 4 | Operating range ratio – Q3/Q1 - R500 | YES/NO | |
| 5 | Meter Warranty from Manufacturer - 12 Years | YES/NO | |
| 6 | Meter inbuilt battery with more than 12year battery life | YES/NO | |
| 7 | Is Manufacturer Authorization Form (MAF) from meter manufacturer submitted along with the bid as per the described format as well software service provider subcontractor | YES/NO | |
| 8 | Meter Manufacturer India Presence <ul style="list-style-type: none"> India Local entity Foreign entity Local Service Support from OEM | YES/NO YES/NO YES/NO | |
| 9 | Meter & Communication System (AMI) solution from same meter manufacturer or AMI system fixed network/LPWAN/IoT | YES/NO | |
| 10 | AMI system of meter manufacture/ reading device / meter reading software/gateways/concentrator/ repeaters/ radio frequency / Non radio based /battery life under warranty for 12 years O&M including software and devices | YES/NO | |
| 11 | Is the Billing system offered capable of integration with AMI meters, water billing for 1 lakh consumers upgradable to 2 lakh, supports collection, regularization, grievance handling, Consumer information and integrate with meter & data management, GIS, MIS reports, customer portal, that will allow the Concessionaire to tailor the product to the specific working environment of the CMWSSB | YES/NO | |

| Sl. No. | Particulars | Compliance (YES/NO) | Documentary Proof Page no. |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------|
| 12 | Is Smart Water Meter electromagnetic / ultrasonic with certifications as required with facility for remote communication interface, battery operated and warranty for 12 years proposed by the concessionaire. The electromagnetic/ ultrasonic water meter should maintain its accuracy +/- 2% over its lifetime and the measuring units should be m3 for volume and m3/h or l/h for flow rate | YES/NO | |
| 13 | Is the smart Water Meter electromagnetic/ultrasonic Manufacturer proposed by the concessionaire been supplied in India or abroad at least 50,000 Static AMR/AMI Meters in one (1) lot of any sizes in last 7 years. Has the software service provider implemented atleast One (1) Billing System with Integration to 5,000 water connections or Utility Billing, Data Migration for 1,00,000 (one lakh Connections) | YES/NO | |
| 14 | Is the Smart Water Meter electromagnetic/ultrasonic Manufacturer proposed by the concessionaire have manufacturing capacity to supply 1 lakh Smart water meters in 1 year | YES/NO | |
| 18 | Is the concessionaire in agreement to the condition precedent scope in 6 months asset study, network study for AMI/ gateways installation, and also detailed procurement, construction and operations plan | YES/NO | |
| 19. | Is the concessionaire in agreement to set up a customer relationships management centre with test bench and participate with CMWSSB in the citizen engagement program | YES/NO | |
| 20. | Is the Concessionaire in agreement to the payment and KPIs suggested during the O&M period for 10 years | YES/NO | |
| 21 | For electromagnetic/ultrasonic meters weather proof mountable cabinet is provided for the electronics that should not cause obstruction to the RF/GSM/GPRS signal | YES/NO | |
| 22 | Meter proposed by concessionaire should provide 3point calibration with calibration certificate available for each unit. Aggregable to inspection by CMWSSB before dispatch | YES/NO | |
| 23 | Meter proposed by the concessionaire should be tamper proof and should have advanced diagnostics with indicators/alarm on display for tampering, reverse flow and leakage | YES/NO | |
| 24 | All the supplied smart water meters, their peripherals and equipment's must have a written warranty from the manufacturers covering not less than 12 years from date of commissioning | YES/NON | |

APPENDIX VII
ANNEX 3
MANUFACTURER'S AUTHORIZATION FORM FOR ELECTROMAGNETIC /
ULTRASONIC AMI METERS
On Rs. 500 Stamp Paper

To
Chennai Metropolitan Water Supply & Sewerage Board

Date: DD-MM-YYYY

Sub: Authorization of M/s XXXXXX to provide services based on our product(s).
Ref: Bidding Document for Qualification

Dear Sir,

We, hereby, declare that, Meter Manufacturer company name the Original Equipment Manufacturer in respect to the product(s) proposed in the RFQ. We, confirm that M/s Concessionaire, has due authorization from us to provide product(s) listed below and related services of warranty, to Utility, as per CMWSSB Bidding Document for Qualification.

Having read, examined, and understood the Bidding Document for Qualification, the receipt of which is hereby duly acknowledged, we, the undersigned, offer our product/s and services as required and outlined for Smart Water Meters in the Bidding Document for Qualification. We declare that the proposed products shall not become "end of sales/service support" for next 12 years.

Also, the support including spares, patches, upgrades for the quoted products shall be available for next 12 years beginning from the date of installation.

We also certify that below mentioned product shall have facility for remote communication interface with battery and meter life of 12 years and the meter keys for proper integration would be handed over to the Authority

| # | Name of Product(s) | Remarks (if any) |
|---|---------------------------------------------|------------------|
| 1 | Electromagnetic / Ultrasonic AMR/AMI Meter. | |
| 2 | AMI Communication System / software | |

Date :- DD-MM-YYYY

Signature of Authorized representative

Name of OEM
Authorized Signatory

APPENDIX VIII

PROFILE OF THE AREA TO BE METERED

BACKGROUND:

Chennai is the fourth-most populous urban agglomeration in India and 36th largest urban area by population in the world. In 1974, Chennai city and the area contiguous to it were notified as Chennai Metropolitan Area (CMA). Subsequently, during the year 1978 Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) was established as a statutory body under an Act of Tamil Nadu (Act 28) with the objective of exclusively attending to the growing needs of and for planned development and appropriate regulation of water supply and sewerage services in the Chennai Metropolitan Area with particular reference to the protection of public health and for all matters connected therewith.

Chennai Metropolitan Area (CMA) is spread over an area of 1189 sq. km and comprises of Chennai Corporation, 16 Municipalities, 20 Town Panchayats, 214 Village Panchayats and one cantonment. CMA is witnessing rapid growth which ranges from 2% to 8% annually. A growing metropolis is home to international business and has a large industrial base with substantial trading activity. Chennai has a sea port, international airport and is well connected by a network of roads and railways.

Chennai City

Since its inception in 1978, CMWSSB has been providing water supply and sewerage services to Chennai City. The Govt. of Tamil Nadu expanded the city of Chennai to 426 sq km by adding 9 Municipalities, 8 Town panchayats & 25 Village panchayats with effect from October 2011.

Sources of Water supply

Water supply to Chennai city comes from a mix of various sources.

- i) **Surface water:** Poondi, Cholavaram, Chembarambakkam and Red hills reservoirs.
- ii) **Ground Water:** Arania rand Korataliar basin
- iii) **Distant Sources:** Telugu Ganga Project and Veeranam Project.
- iv) **Desalination:** 100 MLD plant at Minjur in North Chennai and 100 MLD plant at Nemmeli in South Chennai.

Re-use: 90 MLD of Secondary treated effluent from sewage is used for Industries.

Current Water Supply Position

| | |
|-----------------------------------------------------------------------------------------------------|-----------------|
| 1. Surface Water from Poondi, Cholavaram, Redhills & Chembarambakkam Including Krishna water supply | : 673 MLD |
| 2. New Veeranam | : 180 MLD |
| 3. Minjur Desal Plant | : 100 MLD |
| 4. Nemmeli Desal Plant | : 100 MLD |
| 5. Groundwater | : <u>20 MLD</u> |

Total supply from all the available sources : **1070 MLD**

Population Projection and Water Demand for the Year 2023

The total population of Chennai for the year 2022 is about 8.5 Million. The total water Demand is 1655 MLD. The existing Water Treatment capacity of the CMWSS Board is 1,494 MLD. The treated water is being distributed from 16 major Water Distribution Stations and 92 subsidiary head works through a pipeline network of 5,247 KM.

The Government of Tamil Nadu (GoTN), through its Finance Department is implementing the Chennai City Partnership (CCP) programme focusing on the institutional and financial changes that can drive significant improvements in the delivery of services in the fifteen administrative areas in the CMA that currently fall under the Greater Chennai Corporation (GCC)^{19,20}. The Program - known as the Chennai Sustainable Urban Services Program—focuses on select urban services namely, municipal governance, urban mobility and water supply and services. It is being implemented as a Program-for-Results (PforR) operation of the World Bank and involves financing of USD 150 million each from the World Bank and the Asian Infrastructure Investment Bank (AIIB), which shall be released by the World Bank upon the achievement of the Disbursement Linked Indicators (DLIs). Under the Program, it is agreed that CMWSSB will achieve DLIs related to (i) improving service performance and operational efficiency; (ii) use of performance-based operator contracts; (iii) expansion of network coverage, household connections and regular water supply; and (iv) improve operations and maintenance cost recovery from user charges.

¹⁹Out of the 15 administrative areas of the GCC, the “added areas” comprise of areas 1,2,3,7,11,12,14 and 15. The rest are referred to as “core city”.

²⁰These areas are also known as Area Offices or in some cases zones.

CATEGORY WISE SURVEY DETAILS FOR SMART WATER METERS

ABSTRACT

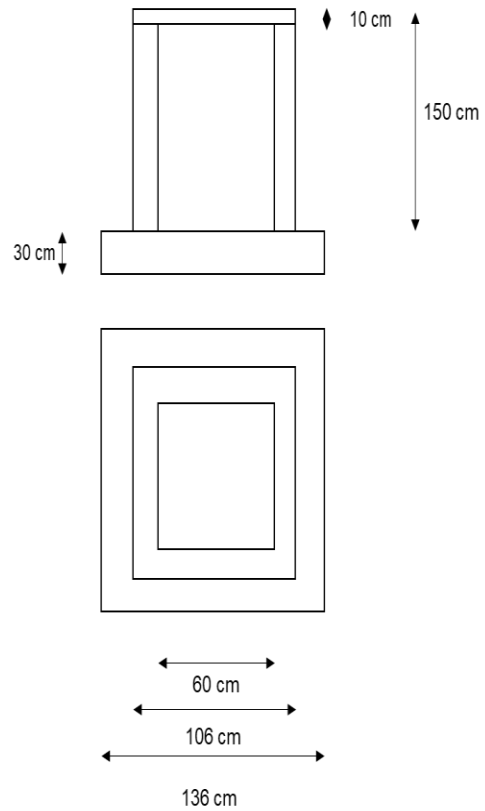
| S. No | Area | Commercial | Partly Commercial | Domestic | | Pvt Ins | Industries | Total |
|--------------|------------|--------------|-------------------|-------------------------|--------------------------------------|------------|------------|-----------------|
| | | | | Multi storied buildings | Individual buildings above 2500 Sqft | | | |
| 1 | Core Area | 7,273 | 12,789 | 19,906 | 33,290 | 316 | 34 | 73,608 |
| 2 | Added Area | 1,551 | 5,273 | 5,771 | 13,753 | 43 | 1 | 26,392 |
| TOTAL | | 8,824 | 18,062 | 25,677 | 47,043 | 359 | 35 | 1,00,000 |

AREAWISE DETAILS

| S.No | Area | Commercial | PC | Domestic | | Pvt Ins | Industries | Total |
|--------------|------|--------------|---------------|-------------------------|---------------------------------------|------------|------------|----------------|
| | | | | Multi storied buildings | Individual buildings above 2500 sq.ft | | | |
| 1 | I | 25 | 151 | 0 | 624 | 0 | 0 | 800 |
| 2 | II | 9 | 73 | 0 | 138 | 3 | 0 | 223 |
| 3 | III | 306 | 948 | 267 | 503 | 8 | 0 | 2,032 |
| 4 | IV | 106 | 789 | 153 | 3,776 | 5 | 0 | 4,829 |
| 5 | V | 2,375 | 2,706 | 1,471 | 2,666 | 253 | 0 | 9,471 |
| 6 | VI | 287 | 1,127 | 1,140 | 5,295 | 0 | 0 | 7,849 |
| 7 | VII | 555 | 2,828 | 2,176 | 3,322 | 22 | 1 | 8,904 |
| 8 | VIII | 637 | 1,680 | 5,443 | 7,303 | 23 | 2 | 15,088 |
| 9 | IX | 1,672 | 2,285 | 3,805 | 7,207 | 9 | 0 | 14,978 |
| 10 | X | 1,606 | 3,177 | 4,623 | 6,073 | 15 | 0 | 15,494 |
| 11 | XI | 325 | 536 | 260 | 2,929 | 1 | 0 | 4,051 |
| 12 | XII | 110 | 221 | 342 | 2,510 | 0 | 0 | 3,183 |
| 13 | XIII | 590 | 1,025 | 3,271 | 970 | 11 | 32 | 5,899 |
| 14 | XIV | 158 | 386 | 2,165 | 1,933 | 6 | 0 | 4,648 |
| 15 | XV | 63 | 130 | 561 | 1,794 | 3 | 0 | 2,551 |
| TOTAL | | 8,824 | 18,062 | 25,677 | 47,043 | 359 | 35 | 100,000 |

SMART METER CHAMBER

SMART WATER METER CHAMBER – 60 cm x 60 cm x 150 cm



Spec:

1. Earth work excavation for foundation
2. Brick jelly concrete in CC 1:4:10 for foundation.
3. Second class brick work in CM 1:6 for 23 cm thick wall
4. Plastering with CM 1:3, 12mm thick
5. Providing CI steps in position
6. Providing and fixing 45 x 45 cm L.S. cover and frame.
7. Benching and channeling