



## **PFC Consulting Limited (PFCCL)**

### **Request for Empanelment**

**for**

### **Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for implementation of Smart Prepaid Metering under RDSS Scheme**

**Date: November 8, 2023**

**RFE No. PFCCL/RFE/Smart\_Metering/2023/1**

**Issued by:**

PFC Consulting Limited

**Address:**

9th Floor, Statesman House  
Barakhamba Road  
Connaught Place, New Delhi – 110001  
Telephone: 011-23443999  
Website: [www.pfcclindia.com](http://www.pfcclindia.com)

# Table of Contents

Disclaimer	3
1. Definitions and Interpretations	4
1.1. Definitions	4
1.2. Rules of Interpretation	4
2. Empanelment of AMISP	5
2.1. Introduction	5
2.2. Key features of empanelment	5
2.3. Brief description of Empanelment Process	6
2.4. Brief Description of RFP Process for any AMISP Project	7
3. Key Changes compared to the provision of SBD	9
3.1. Qualification Requirements	9
3.2. Important Dates, Amounts and Other Details	144
3.3. Bid Data Sheet	144
3.4. Format of Covering Letter of the Application	17
3.5. Financial Proposal	200
Annexure A	21

# Disclaimer

The information contained in this RFE or any other information provided to Applicants, in writing, by or on behalf of the PFCCL and its employees or advisors is provided to Applicants on terms and conditions set out in this RFE and such other specific terms and conditions subject to which such information is provided.

This RFE is not an agreement by itself and is neither an offer nor an invitation by PFCCL to Applicants or any other Person. The purpose of this RFE is to set the terms for the selection process and to provide Applicants with information that may be useful to them in preparation and submission of their Applications.

This RFE includes statement which reflect various assumptions and assessments arrived at by the PFCCL and its employees or advisors. Such assumptions, assessments and statements do not purport to contain all information that Applicants may require. The information contained in this RFE may not be appropriate for all persons and it is not possible for the PFCCL and its employees or advisors to consider the data requirements, investment objectives, financial situation and particular needs of each Person who reads this RFE. The assumptions, assessments, statements and information contained in this RFE may not be complete, accurate, adequate or correct. Each Applicant 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 RFE.

The information provided in this RFE to Applicants is on a wide range of matters, some of which may depend upon interpretation of the law. The information given is not intended as a complete or authoritative statement under any law. PFCCL and its employees and advisors accept no responsibility or otherwise any obligation on any interpretation or opinion on laws expressed in this RFE.

Except as specifically provided in this RFE, PFCCL and its employees and advisors make no representation or warranty, expressed or implied, and shall have no liability to any Person, including any Applicant, under any law, statute, rules or regulations or contract or tort or any principle of restitution or unjust enrichment or otherwise for any loss, damage, cost or expense which may arise from or that may be incurred or suffered on account of or in connection with anything contained in this RFE, including the accuracy, adequacy, correctness, completeness or reliability of this RFE and any assessment, assumption, statement or information contained in this RFE or deemed to form part of this RFE or otherwise supplied or arising in any way from the empanelment process of AMISP. It shall be deemed that by submitting the Application, an Applicant agrees and releases the PFCCL and its employees, agents and advisors, irrevocably, unconditionally, fully and finally from any and all liability for any claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights or performance of any obligations under this RFE or in connection with the Empanelment Process, to the fullest extent permitted by Applicable Law and waives any and all rights or claims it may have in this respect, whether actual or contingent, whether present or in the future.

PFCCL and its employees and advisors also accept no liability of any nature, whether resulting from negligence or otherwise, arising from reliance of any Applicant upon the content of this RFE. PFCCL may, in its absolute discretion but without being under any obligation to do so, update, amend or supplement the information, assessment, statement or assumptions contained in this RFE.

The issuance of this RFE does not imply that PFCCL is bound to qualify any Applicant or to select any Applicant for the stated purpose. PFCCL reserves the right to reject all or any of the Applications or cancel or withdraw the entire RFE process without assigning any reasons whatsoever and without any liability.

This RFE, along with its Annexures, is not transferable. The RFE and the information contained therein is to be used only by the person to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors).

# 1. Definitions and Interpretations

## 1.1. Definitions

- 1.1.1. The words and expressions beginning with capital letters and defined in this RFE shall, unless the context otherwise requires, have the meaning ascribed thereto herein.

<b>Addendum or Addenda</b>	shall mean an addendum or addenda to this RFE;
<b>Applicant</b>	shall mean any agency submitting its application for empanelment of Advanced Metering Infrastructure (AMI) Service Provider for implementation of Smart Prepaid Metering under RDSS Scheme as per the terms and conditions set out in this RFE;
<b>Application</b>	shall mean the response to this RFE submitted by an Applicant;
<b>Application Fee</b>	shall mean the fee mentioned in Clause 0;
<b>Empanelment Period</b>	shall mean the period provided in Clause 0;
<b>Empanelment Process</b>	Shall mean the process undertaken by PFCCL to select an Applicant for Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for implementation of Smart Prepaid Metering under RDSS Scheme as per the terms and conditions set out in this RFE;
<b>Estimated Project Cost</b>	shall have the meaning as ascribed to in Clause 0;
<b>Financial Proposal</b>	shall have the meaning as ascribed to in Clause 2.2.6;
<b>Group</b>	shall have the meaning as ascribed to in Clause 0;
<b>PFCCL</b>	shall mean PFC Consulting Limited;
<b>RDSS</b>	shall mean the Revamped Distribution Sector Scheme Reforms-Based And Results-Linked of Govt. of India;
<b>RDSS Guidelines</b>	shall mean the latest version of the guidelines for RDSS including amendments thereof; Link: <a href="https://recindia.nic.in/rdss-guidelines-and-om">https://recindia.nic.in/rdss-guidelines-and-om</a>
<b>RFE</b>	shall mean this Request for Empanelment document for empanelment of Advanced Metering Infrastructure (AMI) Service Provider for implementation of Smart Prepaid Metering under RDSS Scheme along with all schedules and annexures and shall include any modifications, amendments or alterations or clarifications thereto;
<b>RFP</b>	shall mean the Request for Proposal that would be issued by PFCCL after conclusion of the RFE stage as per Clause 0 of this document;
<b>Rupee or INR</b>	means Indian Rupee, the lawful currency of India;
<b>Technical Proposal</b>	shall have the meaning as ascribed to in Clause 0;
<b>SBD</b>	shall mean the latest version of the Standard Bidding Document for "Appointment of Advanced Metering Infrastructure (AMI) Service Provider for Smart Prepaid Metering in India on DBFOOT basis" including amendments thereof; Link: <a href="https://recindia.nic.in/SBD-AMISP">https://recindia.nic.in/SBD-AMISP</a>

## 1.2. Rules of Interpretation

- 1.2.1. In this RFE
- Table of Contents, headings and sub-headings are for convenience only and shall not affect construction and interpretation of this RFE;
  - the singular includes the plural and vice versa;
  - references to Articles, Sections, Clauses, Schedules, Appendix and Annexure are, unless the context otherwise requires, references to Articles, Sections, Clauses, Schedules, Appendix and Annexure of this RFE;
  - "includes" and "including" shall mean "including without limitation" or "but not limited to" whether or not they are followed by such phrases;
  - reference to any law or regulation having the force of law includes amendments, modifications, supplements, extensions or re-enactments thereof in future;
  - Any reference to time is a reference to the time in India;
  - Words and definitions not defined in this RFE but defined in the SBD shall have the meanings assigned to them in the SBD respectively.

## 2. Empanelment of AMISP

### 2.1. Introduction

- 2.1.1. Ministry of Power (MoP), Govt. of India has issued a Project Implementation Agency (PIA) Scheme under which PFCCL has been designated as one the PIAs for taking projects on implementation of Smart Metering for the States/Discoms under RDSS Scheme. As per the PIA Scheme, PFCCL has to provide an indicative quote to States/Discoms on per meter per month basis.
- 2.1.2. Accordingly, PFCCL intends to empanel AMISPs in accordance with the terms and conditions provided in the SBD for implementation of Smart Prepaid Metering in India.

### 2.2. Key features of empanelment

- 2.2.1. The empanelled AMISP will undertake various activities as defined under the "Section 6: Project Requirements" in the SBD.
- 2.2.2. **Tenure of Empanelment:** The tenure of empanelment of AMISPs shall be for a period of two (2) years which may be extended further on mutual consent.
- 2.2.3. **Appointment of AMISP by PFCCL:** PFCCL will select AMISPs from amongst the empanelled AMISPs based on the RFP process carried out as per Clause 0 of this RFE from time to time for prospective projects to be taken up by PFCCL as PIA under each Group.
- 2.2.4. Key changes compared to provision of SBD is provided in Chapter 2 of this RFE. In case of any conflict between the provisions of this RFE and SBD, the provisions of this RFE will prevail.
- 2.2.5. Bidders will be empanelled in different groups as per the following:

Group	Region	Project Size (by volume of Smart Meters)
N1	Norther Region (Chandigarh, Delhi, Haryana, Punjab, Rajasthan, Uttar Pradesh)	0 to 5 Lakhs
N2		5 to 10 Lakhs
N3		> 10 Lakhs
W1	Western Region (Chhattisgarh, Gujarat, Madhya Pradesh, Maharashtra, Dadra & Nagar Haveli and Daman & Diu, Goa)	0 to 5 Lakhs
W2		5 to 10 Lakhs
W3		> 10 Lakhs
S1	Southern Region (Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu, Puducherry)	0 to 5 Lakhs
S2		5 to 10 Lakhs
S3		> 10 Lakhs
E1	Eastern Region (Bihar, DVC, Jharkhand, Odisha, West Bengal)	0 to 5 Lakhs
E2		5 to 10 Lakhs
E3		> 10 Lakhs
SPNER1	North-Eastern Region (Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, Sikkim)	0 to 2 Lakhs
SPNER2		2 to 5 Lakhs
SPNER3		> 5 Lakhs
SPOTH1	Jammu & Kashmir, Ladakh, Himachal Pradesh, Uttarakhand, Andaman & Nicobar Islands and Lakshadweep	0 to 2 Lakhs
SPOTH2		2 to 5 Lakhs
SPOTH3		> 5 Lakhs

- 2.2.6. Accordingly, Applicants will be required to submit their Financial Proposal by quoting AMISP Service Charge on per meter per month basis as per Clause 3.5 of this RFE for the above groups. Such quote shall be valid for two (2) years from the date of empanelment of the AMISP.
- 2.2.7. PFCCL shall open the Financial Proposal of each Applicant meeting the Eligibility and Qualification Requirements as per provisions of the SBD. PFCCL shall, for Applicants who have submitted a responsive Financial Proposal, tabulate the financial quotes from lowest to highest.
- 2.2.8. A maximum of four (4) Applicants shall be empanelled for each Group.

- 2.2.9. First four (4) Applicants (in the order of lowest to highest financial quote) who agree unconditionally to match the lowest quote shall be empanelled for prospective projects to be taken up by PFCCL as PIA under each Group. In case the number of Applicants who agree to match the lowest quote is less than three (3), the next higher quoted Applicant(s) shall be asked to match the lowest quote for empanelment and so on, subject to maximum of four (4) empanelled Applicants under each Group. The meter type wise rate applicable for other Bidders who agree unconditionally to match the lowest quote shall be determined as per the following illustration:

Meter Type	Indicative Weightage of Quantity at RFE Stage	Quote by L1	Quote by L2	Revised Rate for L2 to match L1
Units->		INR/month/ meter	INR/month/ meter	INR/month/ meter
Formula->	A	B	C	$D = C * \frac{102.30}{115.10}$
MT1	85.00%	100.00	120.00	106.66
MT2	12.00%	110.00	80.00	71.10
MT3	0.80%	120.00	125.00	111.10
MT4	0.40%	130.00	85.00	75.55
MT5	0.80%	140.00	70.00	62.22
MT6	1.00%	150.00	160.00	142.21
Weighted average Quote		<b>102.30</b> (Sumproduct of A and B)	<b>115.10</b> (Sumproduct of A and C)	<b>102.30</b> (Sumproduct of A and D)

- 2.2.10. PFCCL, reserves the right, at any time, to accept or reject any or all Applications, annul Empanelment Process and reject all Applications, at any time, without any liability or any obligation for such acceptance, rejection or annulment and without assigning any reasons whatsoever to any person, including the Applicants.

## 2.3. Brief description of Empanelment Process

- 2.3.1. PFCCL has adopted a single stage two-envelope process for empanelment of Applicants under various Groups.
- 2.3.2. Each Applicant is required to submit a single Application as per format given in Clause 3.4 of this RFE comprising of (a) the Technical Proposal and (b) the Financial Proposal as per the provisions of this RFE.
- 2.3.3. Each Applicant shall submit only one (1) Technical Proposal mentioning the Group(s) that they are applying for, along with an Application Fee of INR One Lakh (INR 1,00,000) plus GST (as per applicable rate). An Application shall be summarily rejected if it is not accompanied with the Application Fee. The Technical Proposal shall demonstrate qualification for the Group having highest Estimated Project Cost amongst the Group(s) an Applicant is applying for.
- 2.3.4. Technical Proposal shall be evaluated as per the provisions of the SBD.
- 2.3.5. The estimated project cost for various Groups for the purpose of evaluation of Qualification Requirements and other provisions of the SBD shall be as follows:

Group	Estimated Project Cost (INR Cr)
SPNER1, SPOTH1	200 (considering 2 lakh nodes)
N1, W1, S1, E1, SPNER1, SPOTH1	450 (considering 5 lakh nodes)
N2, W2, S2, E2, SPNER2, SPOTH2	875 (considering 10 lakh nodes)
N3, W3, S3, E3, SPNER3, SPOTH3	1700 (considering 20 lakh nodes)

- 2.3.6. The Financial Proposal of the Applicant shall be as per the project cost estimated by them for the entire contract duration as per SBD for undertaking various activities as defined in the SBD including site survey, planning, designing, financing, engineering, manufacturing, supply, transportation & insurance, delivery at site, unloading, handling, storage, installation, integration, testing, commissioning, demonstration for acceptance, training, maintenance, operation and documentation of various AMISP components etc.
- 2.3.7. Gross Budgetary Support (GBS) under RDSS Guidelines needs to be factored in by the Applicant while submitting the Financial Proposal during the RFE stage as per the following:

Group	GBS Category
N1, W1, S1, E1, N2, W2, S2, E2, N3, W3, S3, E3	Other than Special Category States
SPNER1, SPNER2, SPNER3, SPOTH1, SPOTH2, SPOTH3	Special Category States

- 2.3.8. The Applicant shall be required to provide Bid Security of INR One Crore (INR 1,00,00,000). An Application shall be summarily rejected if it is not accompanied by the Bid Security. The Applicant may be asked to submit additional Bid Security during the RFP process in line with the SBD.
- 2.3.9. Any queries or requests for additional information relating to this RFE shall be submitted to PFCCL in accordance with the provisions of the SBD.

## 2.4. Brief Description of RFP Process for any AMISP Project

- 2.4.1. For each project during the Empanelment Period, PFCCL shall invite financial bids from the Applicants empanelled for the applicable Group.
- 2.4.2. Empanelled Applicants (hereinafter referred as "Bidder") under the applicable Group shall be required to submit their financial bids as and when invited by PFCCL along with any additional Bid Security as per the terms of the SBD. Non submission of financial bids by empanelled Applicants shall lead to invocation of Bid Security by PFCCL.
- 2.4.3. As part of its financial bid, the Bidder may also be required to quote prices for auxiliary LT Items and manpower cost with respect to new requirement for software component in line with the SBD for which the inputs shall be provided to the Bidders at the RFP stage.
- 2.4.4. In addition to the GBS under RDSS, PFCCL may consider providing an additional payout to the AMISP on INR/ meter basis which will be declared to Bidders at the RFP stage. Such additional payout shall be released along with the GBS as per the provisions of the SBD.
- 2.4.5. PFCCL shall recover a charge of INR [to be intimated at RFP stage]/ meter/ month from DISCOM against an additional payout of INR 1.00/ meter or multiple thereof.
- 2.4.6. Accordingly, the AMISP Service Charge component of the financial bid submitted by a Bidder for the AMISP project shall be mandatorily lower than the following ceiling rate

$$\text{Ceiling Rate (INR/ meter/ month)} = \text{Empaneled Rate (INR/ meter/ month)} - \frac{\text{INR X per meter per month} * (\text{Additional Payout by PFCCL in INR/ meter})}{1}$$

- 2.4.7. While the RFP stage for a given project will be for the actual required quantity of meters of various types, the indicative weightage of quantity provided during RFE stage shall be considered for assessing conformance of the quoted rates to the ceiling rate requirement as per Clause 2.4.6. The same is explained in the following illustration:

Meter Type	RFE Stage			RFP Stage		
	Indicative Weightage of Quantity at RFE stage	Quote by empaneled Bidder 1 during RFE stage	Quote by empaneled Bidder 2 during RFE stage	Weightage of Quantity at RFP stage	Quote by empaneled Bidder 1 during RFP stage	Quote by empaneled Bidder 2 during RFP stage
Units->	%	INR/month/ meter	INR/month/ meter	%	INR/month/ meter	INR/month/ meter
Formula->	A	B	C	D	E	F
MT1	85.00%	100.00	106.66	90.00%	90.00	108.00
MT2	12.00%	110.00	71.10	7.00%	110.00	80.00
MT3	0.80%	120.00	111.10	0.80%	120.00	80.00
MT4	0.40%	130.00	75.55	0.40%	130.00	80.00
MT5	0.80%	140.00	62.22	0.80%	140.00	80.00
MT6	1.00%	150.00	142.21	1.00%	150.00	80.00
Weighted average Quote		<b>102.30</b> (Sumproduct of A and B)	<b>102.30</b> (Sumproduct of A and C)		<b>72.80</b> (Sumproduct of D and E)	<b>85.20</b> (Sumproduct of D and F)
Charge to be recovered by PFCCL		20.00	20.00			
Ceiling rate		<b>82.30</b>	<b>82.30</b>			

Meter Type	RFE Stage			RFP Stage		
	Indicative Weightage of Quantity at RFE stage	Quote by empaneled Bidder 1 during RFE stage	Quote by empaneled Bidder 2 during RFE stage	Weightage of Quantity at RFP stage	Quote by empaneled Bidder 1 during RFP stage	Quote by empaneled Bidder 2 during RFP stage
Quote to be considered for ceiling rate conformance					<b>73.80</b> (Sumproduct of A and E)  <b>(Bid Accepted as 73.80 &lt; 82.30)</b>	<b>83.80</b> (Sumproduct of A and F)  <b>(Bid Rejected as 83.80 &gt; 82.30)</b>
Quote to be considered for award of project					<b>72.80</b> (Sumproduct of D and E)	<b>85.20</b> (Sumproduct of D and F)

- 2.4.8. PFCCL may at its discretion also conduct an e-reverse auction.
- 2.4.9. The financial bids of the Bidders would be evaluated as per the provisions of the SBD.
- 2.4.10. Bidder submitting the lowest financial bid shall be selected for award of the project(s).
- 2.4.11. PFCCL shall issue the Letter of Award (LoA) to the selected Bidder and proceed with the execution of the Contract. Bidder shall be required to submit Performance Security as per the provisions of the SBD.



## 3. Key Changes compared to the provision of SBD

### 3.1. Qualification Requirements

3.1.1. Clause 8.1 and 8.2 under "Section – 2: Eligibility and Qualification Requirements" of the SBD shall be revised as follows:

"8.1 The technical and financial requirements of qualification are as follows:

Sl.	Requirements	Supporting Documents
<b>Technical Requirements</b>		
1.	Sole/ Lead Applicant must have either: (a) paid for, or received payments for, construction of Eligible Project(s); <b><u>Or</u></b> (b) paid for development of Eligible project(s) in the Infrastructure sector in the last 7 (seven) Financial Years with aggregate project value of not less than 50% of the Estimated Project Cost	a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date (as per the format prescribed in Form 13 given in Section 4); <i>In case Non-Disclosure agreement (NDA) is signed with the client, Applicant shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc.</i>
2.	Sole/ Lead Applicant/ any other Consortium Member must have experience of integration of head-end system with MDM on standard interfaces and dataexchange models for at least 50,000 consumers /end points (cumulatively) in an Indian/ Global Utility (power/ water/ natural gas/ telecom) in the last 7 (seven) years which are in operation for at least 1 (one) year. <b><u>Or</u></b> Sole/ Lead Applicant/ any other Consortium Member should have installed, integrated, tested, and commissioned control center hardware (or on cloud) and application software for at least 50,000 endpoints (cumulatively) in an Indian/ Global Utility (power/ water/ natural gas/ telecom) in last 7 (seven) years which are in operation for at least 1(one) year	b) Documentary evidence of completion of the Project or completion of Go-live status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books of accounts(as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client; c) Any other documentation for implementation performance/ operation
3.	The Sole/ Lead Applicant should have a valid pre-qualification and technical empanelment certificate for the required	Valid Empanelment certificate of the sole/ lead applicant for the proposed solution, issued

Sl.	Requirements	Supporting Documents
	communication technology, issued by REC and approved by the committee constituted vide the letter issued by the Ministry of Power F.No.14/02/2021-UR&SI-II-Part(1)-(E-258136) dt. 10 <sup>th</sup> January 2022, at the time of bid submission.	by REC / committee constituted thereby
<b>Financial Requirements</b>		
4.	<p>The Applicant shall have positive net worth for each of the last three financial years. The Net worth of the Applicant should be at least 30% of the Estimated Project Cost in any of the last three Financial Years</p> <p><b>Or</b></p> <p>Applicant shall have a minimum ACI of 30% of the Estimated Project Cost at the close of the preceding financial year</p> <p><i>[Net Worth means sum total of the paid up capital and free reserves (excluding reserves created out of revaluation) reduced by aggregate value of accumulated losses (including debit balance in profit and loss account for current year) and intangible assets.].</i></p> <p><i>[ACI means minimum investible funds (i.e., immediately available funds for investment and callable capital) subject to the limits of investment in a single investee entity (in the relevant jurisdiction for a Foreign Investment Fund, or the maximum permissible investment limit for an AIF) (as per the SEBI (AIF) Regulations, 2012, as may be amended from time to time), as applicable].</i></p> <p>Please note:</p> <p>a. In case an Applicant and/(or) it's Parent(s)/ Affiliate(s) has issued any fresh equity capital during the current financial year, the same shall be permitted to be added to the Applicant's Net Worth subject to the statutory auditor of the Bidder certifying to this effect.</p> <p>b. In case an Applicant and/(or) it's parent(s)/ Affiliate(s), being a SEBI registered AIF or Foreign Investment Fund, has received any fresh capital commitment available for the immediate deployment during the current financial year, the same shall be permitted to be added to the Applicant's ACI subject to the statutory auditor of the Bidder certifying to this effect.</p>	Audited Annual financial statements, Balance Sheet and P&L Account for the respective Financial Years as per the format prescribed in Form 12 given in Section 4

8.2. The Sole/ Lead Applicant would have to clearly include and mention the details of all the solution / component providers given below. However, such solution / component providers may or may not necessarily be included as a part of the Consortium. For avoidance of doubt, it is clarified that the sole applicant/ any member of the consortium can also be a solution/ component provider, provided that they meet the relevant qualification requirements as mentioned below. The Sole / lead applicant has to mandatorily mention at least one vendor for each of the solution/ component providers given below in Form 1 of section 4:

- a) Smart Meter Manufacturer(s)
- b) Head End System (HES) solution provider

- c) Meter Data Management System (MDMS) solution provider
- d) System Integrator
- e) RF Communication Provider (if applicable)

The vendor details provided above shall not be changed during Empanelment Period. However, in exceptional circumstances, Applicant may replace their vendor(s) with prior approval of PFCCL, provided the new vendor meets all the Qualification Requirements mentioned in this RFE.

Accordingly, in addition to the requirements above, the various solution / component providers should also separately meet the following requirements as on date of application submission or as on date of replacement of solution/ component provider post empanelment or award of contract, subject to necessary approval in writing from the PFCCL. Each of the solution / component providers shall sign an agreement with the sole/ lead applicant, provided the solution/ component provider is not the sole/ lead applicant, in the format as specified in Form 23 of section 4 of the SBD, clearly mentioning:

- a) their intent to comply with the terms and conditions of the AMISP Contract in the event the solution/ component provider is selected to undertake the Project
- b) their willingness to work with the said sole/ lead applicant; and
- c) their proposed roles and responsibilities.

Sl.	Requirements	Supporting Documents
<b>A. Meter Manufacturer – Technical Requirements</b>		
A1.	<p><b>Option 1:</b> Should have manufactured and supplied minimum 1,00,000 nos. of Smart meters (cumulative) on proposed communication technology in Indian/Global Power Distribution Utility in the last 7 (seven) years.</p> <p><b>Option 2:</b> Should have manufactured and supplied minimum 20,00,000 nos. of static electricity meters (cumulative) in Indian/Global Power Distribution Utility in the last 7 (seven) years.</p> <p><b>Option 3:</b> Any meter manufacturer who doesn't satisfy Option 1 &amp; 2 but satisfies conditions (A2), (A3) &amp; (A4) below, can also be eligible to participate in the empanelment process as a meter manufacturer. However, meters procured from this particular meter manufacturer/ supplier, shall be limited to 25% of the total meters proposed to be implemented as part of AMISP project.</p>	<p>a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date (as per the format prescribed in Form 13); <i>In case Non-Disclosure agreement (NDA) is signed with the client, applicant shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc.</i></p> <p>b) Documentary evidence of completion of the Project or other documentary evidence indicating completion of supply (e.g. proof of payment received/ proof of asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client;</p> <p>c) Any other documentation for implementation performance/ operation</p>
A2.	<p>Smart meters shall have all the valid test certificate (issued within the last 5 years) and BIS certificate, compliant to IS 16444 Part-1*</p> <p><i>Note: *At the time of supply of LT-CT operated Meters, the smart meters shall have all the valid test certificate and BIS Certificate, compliant to IS 16444 Part-2.</i></p>	Valid BIS and type-test certificate to be submitted
A3.	Should have in-house NABL or ISO/ IEC - 17025 accredited Laboratory	A valid registration certificate mentioning issue/renewal/expiry date

Sl.	Requirements	Supporting Documents
A4.	Should have a valid ISO 9001:2015 certification	Copy of valid certificate
<b>B. Head End System (HES) solution provider – Technical Requirements</b>		
B1.	The HES solution should have been successfully integrated with at least 2 (two) different MDMS/ other utility IT Solution in Indian/ Global Utility(ies) (power/ water/ natural gas/ telecom) in last 7 (seven) years.	Certificate / report issued by Client / MDMS OEM / solution provider. <i>In case the HES solution provider, has integrated with their own MDMS, then a self-certification shall be provided.</i>
<b>C. Meter Data Management System (MDMS) solution provider – Technical Requirements</b>		
C1.	The proposed MDM solution should have been successfully integrated with at least 2 (two) nos. of different HES solutions in Indian/ Global Utility(ies) (power/ water/ natural gas/ telecom) in last 7 (seven) years.	a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date (as per the format prescribed in Form 13 given in Section 4); <i>In case Non-Disclosure agreement (NDA) is signed with the client, Applicant shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc.</i>
C2.	The proposed MDM solution should have been successfully integrated with at least 2 (two) nos. of different Billing Systems in Indian/ Global Utility(ies) (power/ water/ natural gas/ telecom) or with Billing/ Other IT systems of 2 (two) different Indian/ Global Utility(ies) in last 7 (seven) years.	b) Documentary evidence of completion of the Project or completion of Go-live status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client c) Certificate / report issued by Client / HES OEM/ solution provider. <i>In case the MDMS solution provider, has integrated with their own HES, then a self- certification shall be provided.</i> d) Any other documentation for implementation performance/ operation.
C3.	Should have CMMi (Capability Maturity Model Integration) Level 3 or IEC/ISO 27001 Certification (Software Development & Customization), as the requirement may be	Copy of valid certificate
<b>D. System Integrator – Technical Requirements</b>		
D1.	Should have experience of integration of HES/MDMS etc. with at least 2 (two) billing / other utility IT systems in Indian/ Global Utility(ies) (power/ water/ natural gas/ telecom) in last 7	Certificate / report issued by Client/ Billing system solution provider.

Sl.	Requirements	Supporting Documents
	(seven) years, in which the meters are in operation for at least 1(one) year.	
D2.	<ul style="list-style-type: none"> <li>Should have valid ISO 9001:2015 certification</li> <li>Should have IEC/ ISO 27001 certification or CMMi Level 3 (or above) certifications</li> </ul>	Copy of valid certificate
<b>E. RF Technology/ Solution Provider – Technical Requirements (If applicable)</b>		
E1.	The RF technology/ Solution provider should have implemented project/(s) with at least 50,000 (cumulatively) modules / endpoints involving Radio Frequency (RF) mesh in an Indian/ Global Utility (power/ water/ natural gas/ telecom) in the last 7 (seven) years.	<p>a) References along with requisite contract/ Purchase Order (PO)/ Work Order (WO). The references should indicate client name, scope of work, Project start date (as per the format prescribed in Form 13 given in Section 4);  <i>In case Non-Disclosure agreement (NDA) is signed with the client, Applicant shall provide an undertaking for the NDA and shall also provide a client certification as proof of experience along with Client Name/ Email Address/ Contact no./ designation etc.</i></p> <p>b) Documentary evidence of completion of the Project or completion of Go-live status (i.e., Go-live certificate, UAT testing certificate etc.) of the respective project as per the definition of Go-Live/ UAT specified therein or other documentary evidence indicating completion (e.g., proof of payment received/ proof of asset capitalized in books of accounts (as applicable) and client certificate for supply of material or similar proofs) along with contact details of the client;</p> <p>c) Any other documentation for implementation performance/ operation.</p>
E2.	<p>The RF Technology/ Solution provider should have been in the communications network installation / maintenance services business for the last 1 (one) year in India.</p> <p>OR</p> <p>The RF Technology/ Solution provider should have been in the communications network installation / maintenance services business for the last 3 (three) years outside of India.</p>	<p>a) Certificate of Incorporation and Registration certificate along with Memorandum &amp; Articles of Association.</p> <p>b) Copy of valid Licenses (In case of RF, Valid certificate issued by WirelessPlanning &amp; Coordination (WPC) Wing of the Ministry of Communications, GOI) as on date of bid submission.</p>
E3.	The RF Technology/ Solution provider have successfully integrated their NIC/ Communication module with at least 3 (three) different makes of smart meters in India or Outside of India.	Signed agreements/ MoUs for integration of NIC module or Certificate of successful integration.

### 3.2. Important Dates, Amounts and Other Details

- 3.2.1. Important Dates, Amounts and Other Details under "Section-1: Request for Proposal Notice" of the SBD shall be as follows:

#### Dates

			Date	Time
a)	Commencement of downloading of this RFE	:	9.11.2023	10:00 hrs
b)	Pre-Empanelment meeting	:	23.11.2023	11:00 hrs
c)	Last date for submitting the Application	:	8.12.2023	15:00 hrs
d)	Date of Opening of Technical Proposal	:	8.12.2023	15:30 hrs
e)	Opening of Financial Proposal	:	To be intimated later	

#### Amounts for Bidding

A.	Application Fee to be submitted with the RFE (Non-Refundable)	:	INR 1,00,000 + GST (as per applicable rate)
B.	Bid Security (Refundable)	:	INR 1,00,00,000
C.	Transaction Fee for MSTC the E-procurement portal (Non-Refundable)	:	INR 25,000 + GST (as per applicable rate)
C.	Other Payments or Bank Guarantees for the AMISP shall be as per the terms and conditions defined in the SBD		

#### Other Details

A.	Address for Communication including Contact details: <b>Name</b> Sh. Anupam Kashyap <b>Designation</b> Chief Manager <b>Address</b> 9 <sup>th</sup> Floor, A-Wing, Statesman House, Connaught Place, New Delhi – 110 001 <b>Tel</b> 011-23443999 <b>Email</b> <a href="mailto:anupam_kashyap@pfcindia.com">anupam_kashyap@pfcindia.com</a>		
B.	Payment of Application Fee (non-refundable): 1. Application Fee shall be made in the form of A/C payee demand draft in favour of PFC Consulting Ltd. or RTGS payable at New Delhi drawn on any Scheduled Commercial Bank. 2. Application Fee (or its receipt in case of RTGS payment) and Bid Security must be submitted in physical form in a sealed envelope at address given above, before the Application Submission Deadline. The sealed envelope shall be clearly marked on the top as "Application Fee for Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for Implementation of Smart Prepaid Metering under RDSS Scheme" The sealed envelope shall also clearly mention the name of the Lead Consortium Member/ Sole Applicant submitting the Application, as further detailed in Section 3. 3. Any Application not accompanied by Application Fee and Bid Security as above shall be rejected by PFCCL as non- responsive. 4. Application Fee and Bid Security are non-refundable		

### 3.3. Bid Data Sheet

- 3.3.1. Bid Data Sheet under "Section-3: Instructions to Bidders and Bid Data Sheet" of the SBD shall be as follows (the clauses which are not mentioned here shall be as per the SBD):

ITB Reference	A. General Provisions
<b>1 (oo)</b>	PFCCL has issued this Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for implementation of Smart Prepaid Metering under RDSS Scheme.
<b>2.2</b>	The RFE process shall be conducted through/ with Electronic – Procurement (e- Procurement/ e- Tendering) System. PFCCL shall use the E-procurement portal of M/s MSTC Ltd to manage this

ITB Reference	A. General Provisions																		
	<p>RFE process at <a href="https://www.mstcecommerce.com/eproc/">https://www.mstcecommerce.com/eproc/</a>.</p> <p>The Instructions to Bidder for using for MSTC's E-Procurement Portal can be referred at Annexure A.</p> <p>This RFE can be downloaded from <a href="http://www.pfcclindia.com">www.pfcclindia.com</a> and <a href="https://www.mstcecommerce.com/eproc/">https://www.mstcecommerce.com/eproc/</a> from 9.11.2023 at 10:00 hrs onwards</p>																		
2.2.2	<table><tr><td>Name</td><td>Sh. Anupam Kashyap</td></tr><tr><td>Designation</td><td>Chief Manager</td></tr><tr><td>Address</td><td>9<sup>th</sup> Floor, A-Wing, Statesman House, Connaught Place, New Delhi – 110001</td></tr><tr><td>Tel</td><td>011-23443999</td></tr><tr><td>Email</td><td><a href="mailto:anupam_kashyap@pfcindia.com">anupam_kashyap@pfcindia.com</a></td></tr></table>	Name	Sh. Anupam Kashyap	Designation	Chief Manager	Address	9 <sup>th</sup> Floor, A-Wing, Statesman House, Connaught Place, New Delhi – 110001	Tel	011-23443999	Email	<a href="mailto:anupam_kashyap@pfcindia.com">anupam_kashyap@pfcindia.com</a>								
Name	Sh. Anupam Kashyap																		
Designation	Chief Manager																		
Address	9 <sup>th</sup> Floor, A-Wing, Statesman House, Connaught Place, New Delhi – 110001																		
Tel	011-23443999																		
Email	<a href="mailto:anupam_kashyap@pfcindia.com">anupam_kashyap@pfcindia.com</a>																		
2.3	Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for implementation of Smart Prepaid Metering under RDSS Scheme.																		
2.4	To be provided at the RFP stage																		
2.6	<p>A Pre-Empanelment Meeting will be held through Video Conferencing (VC) on MS Teams on 23.11.2023 at 11:00 hours (IST). The link for the Pre-Empanelment Meeting is as follows:</p> <p><a href="https://teams.microsoft.com/l/meetup-join/19:41da425e42574e50a283be66b0d6053f@thread.tacv2/1699417024996?context=%7B%22Tid%22:%2251f27efd-60ca-4b0e-ac0f-3742ab80f269%22,%22Oid%22:%22fa4353fe-71b2-4305-a61f-7473834bf04b%22%7D">https://teams.microsoft.com/l/meetup-join/19:41da425e42574e50a283be66b0d6053f@thread.tacv2/1699417024996?context=%7B%22Tid%22:%2251f27efd-60ca-4b0e-ac0f-3742ab80f269%22,%22Oid%22:%22fa4353fe-71b2-4305-a61f-7473834bf04b%22%7D</a></p>																		
2.8	<p><b>Format for Sending Query to PFCCL</b></p> <p><i>[Query may be sent in hard copy to the Nodal Officer of PFCCL, at the below-mentioned address AND/ OR via email to E-mail ID]</i></p> <p><i>[Reference No.]</i></p> <p><i>From:</i> <i>[Address of the Bidder]</i> <i>[Telephone No., Fax No., Email]</i> <i>[Date]</i></p> <p><i>To:</i> Sh. Anupam Kashyap Chief Manager PFC Consulting Limited 9th Floor, A-Wing, Statesman House Connaught Place, New Delhi – 110 001</p> <p><b>Sub: Query.</b> <i>Ref: RFE No. PFCCL/RFE/Smart_Metering/2023/1 for "Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for implementation of Smart Prepaid Metering under RDSS Scheme"</i></p> <p>Dear Sir/ Madam,</p> <p>Please find below our query with respect to the RFE subject to the terms and conditions therein:</p> <table><tr><th>Sr</th><th>Reference Clause No.</th><th>Page No.</th><th>Query</th></tr><tr><td>1.</td><td></td><td></td><td></td></tr><tr><td>2.</td><td></td><td></td><td></td></tr><tr><td>3.</td><td></td><td></td><td></td></tr></table> <p>Thanking you, Yours Sincerely, <i>[Insert Signature here]</i> <i>[Insert Name here]</i> <i>[Insert Designation here]</i></p>			Sr	Reference Clause No.	Page No.	Query	1.				2.				3.			
Sr	Reference Clause No.	Page No.	Query																
1.																			
2.																			
3.																			

<b>ITB Reference</b>	<b>B. Preparation of Proposals</b>
<b>12.1</b>	The Application submitted by the Applicant shall remain valid until i.e. up to and including 180 days reckoned from the Application Submission Deadline specified in this RFE, as may be extended by PFCCL.
<b>12.2</b>	Currency and the amount of Bid Security to be furnished by the Bidder is: <b>Currency:</b> INR <b>Amount:</b> 1,00,00,000
<b>12.3(a)</b>	Banks by whom Bank Guarantee is required to be issued: Any Commercial Bank
<b>12.3(a)</b>	Not Applicable
<b>13.1</b>	Clarifications may be requested no later than 15 days prior to the Application Submission Deadline. Request to be sent at:  Sh. Anupam Kashyap Chief Manager PFC Consulting Limited 9th Floor, Statesman House Barakhamba Road Connaught Place, New Delhi – 110001 Telephone: 011-23443999 Email: anupam_kashyap@pfcindia.com Website: <a href="http://www.pfcclindia.com">www.pfcclindia.com</a>
<b>15.13</b>	Number of years: 10 years
<b>16.4</b>	As per Clause 0 of this RFE

<b>ITB Reference</b>	<b>C. Submission, Opening and Evaluation</b>
<b>17.6</b>	Details to be marked on the sealed envelope:  RFE No. PFCCL/RFE/Smart_Metering/2023/1 for "Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for implementation of Smart Prepaid Metering under RDSS Scheme" Application Submission Deadline: [.] Time and Date of Technical Proposal Opening: [.] Name of the Lead Consortium Member/ Sole Applicant submitting the Application: [.]  Sealed Envelope(s) to be addressed to:  Sh. Anupam Kashyap Chief Manager PFC Consulting Limited 9th Floor, Statesman House Barakhamba Road Connaught Place, New Delhi – 110001 Telephone: 011-23443999 Email: <a href="mailto:anupam_kashyap@pfcindia.com">anupam_kashyap@pfcindia.com</a>
<b>17.10</b>	The Application Submission Deadline is: Date: 8.12.2023 Time: 15:00 hrs
<b>19.1</b>	The Technical Proposals shall be opened as indicated below:  The opening shall take place through the Technical Proposal opening meeting to be held over a Video Conferencing on:  Date & Time: 8.12.2023 at 15:30 hrs Link for the bid opening meeting will be made available at least 1 day prior to the Technical Proposal opening event, at PFCCL's website <a href="http://www.pfcclindia.com">www.pfcclindia.com</a>



### 3.4. Format of Covering Letter of the Application

*[Covering Letter shall be on the official letterhead of the Sole Applicant/ Lead Consortium Member of the Consortium]*

[Reference No.]

From:

[Address of the Lead Consortium Member/ Sole Applicant]

[Telephone No., Fax No., Email]

[Date]

To:

Sh. Anupam Kashyap

Chief Manager

PFC Consulting Limited

9th Floor, A-Wing, Statesman House

Connaught Place, New Delhi – 110 001

**Sub: Application for Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for Implementation of Smart Prepaid Metering under RDSS Scheme**

Ref: RFE No. \_\_\_\_\_

Dear Sir/ Madam,

We, the undersigned ..... *[Insert name of the Lead Consortium Member/ Sole Applicant]* having read, examined and understood in detail the RFE for Empanelment of Advanced Metering Infrastructure (AMI) Service Provider for Implementation of Smart Prepaid Metering under RDSS Scheme submit our Application comprising of Technical and Financial Proposals.

1. We give our unconditional acceptance to the RFE including but not limited to all its instructions, terms and conditions, and formats attached thereto, issued by PFCCL, as amended. In token of our acceptance to the RFE, the same have been initialed by us and enclosed to the Application. We shall ensure that our Consortium shall execute such requirements as per the provisions of the RFE and provisions of such RFE shall be binding on us.

#### **2. Fulfilment of Eligibility**

We undertake that we fulfil the Eligibility Criteria stipulated in the SBD and fulfil all the eligibility requirements as the Lead Consortium Member/ Sole Applicant as outlined in the SBD.

We hereby confirm that in accordance with Clause 7 of Section 2 of the SBD, we are herewith submitting legally binding undertaking supported by a board resolution from the .....*[insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be]* that all the equity investment obligations of ..... *[insert name of the Sole Applicant/ Lead Consortium Member]* shall be deemed to be equity investment obligations of the ..... *[insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be]* and in the event of any default by..... *[insert name of the Sole Applicant/ Lead Consortium Member]*, the same shall be met by ..... *[insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be]*.

*[To be inserted only in case the Applicant has sought qualification on the basis of technical and financial capability of its Affiliate(s) and/or its Parent]*

### 3. Bid Security

We have enclosed a Bid Security of [Amount] in the form of a Bank Guarantee No. ....  
[Insert Bank Guarantee Number] (OR Demand Draft) dated .....[Insert date of the Bank  
Guarantee] as per Form 6 given in Section 4 from .....[Insert name of Bank providing Bid  
Bond] and valid up to [Date].

### 4. No Deviation

We have submitted our Financial Proposal strictly as per terms and formats of the RFE, without any deviations, conditions and without mentioning any assumptions or notes for the Financial Proposal in the said format.

### 5. Acceptance

We hereby unconditionally and irrevocably agree and accept that the decision made by PFCCCL in respect of any matter regarding or arising out of the RFE shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfil our obligations with regard to fulfilling our obligations as per the RFE.

### 6. Familiarity with Relevant Indian Laws and Regulations

We confirm that we have studied the provisions of the relevant Indian laws and regulations as required to enable us to submit this RFE and execute the RFP Documents, in the event of our selection as Selected Bidder. We further undertake and agree that all such factors as mentioned in the AMISP Contract have been fully examined and considered while submitting the Application.

### 7. Compliance with applicable laws/ guidelines for public procurement in India

We confirm that we shall adhere to applicable laws for public procurement in India including the guidelines issued in Order No. F/No.6/18/2019-PPD by Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23 July 2020, Order No No.9/16/2016-Trans-Part (2) dated 18 November 2020, latest Government of India Guidelines for Make in India, Domestically manufactured products, Atmanirbhar Bharat and circulars DIPP Office Memorandum No. P-45021/2/2017-PP (BE-II) date:16th Sept. 2020, MeitY Circular No.1(10)/2017-CLES dated 06.12.2019 and Order No. 11/05/2018-Coord. by the Ministry of Power dated 17 September 2020 including any amendments or modifications to the same from time to time.

### 8. Contact Person

Details of the contact person representing our Consortium/ Sole Applicant (registered Company) supported by the Power of Attorney prescribed in Form 10 given in Section 4 of the SBD are furnished as under:

Name: .....  
Designation: .....  
Company: .....  
Address: .....  
Mobile: .....  
Phone: .....  
Fax: .....  
Email: .....

- a. We are submitting herewith the Technical Proposal containing duly signed formats, both in electronic and physical forms, (duly attested) as desired by you in the RFP for your consideration.
- b. We are also submitting herewith the Financial Proposal in electronic form only, as per the terms and conditions in the RFE.

9. It is confirmed that our Application is consistent with all the requirements of submission as stated in the RFE and subsequent communications from PFCCL.
10. The information submitted in our Application is complete, strictly as per the requirements stipulated in the RFE and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Application.
11. We confirm that all the terms and conditions of our Application are valid for acceptance for a period of 180 days from the Application Submission Deadline.
12. We confirm that we have not taken any material deviation so as to be deemed non-responsive with respect to the provisions stipulated in the RFE.
13. We confirm that we are participating for following Groups and are submitting our Financial Proposal separately for each Group:

Group	Yes/No
N1	
N2	
N3	
W1	
W2	
W3	
S1	
S2	
S3	
E1	
E2	
E3	
SPNER1	
SPNER2	
SPNER3	
SPOTH1	
SPOTH2	
SPOTH3	

14. We confirm that we have submitted Financial Proposal(s) as per the format provided in the RFE.
15. We confirm that no order/ ruling has been passed by any Competent Court or Appropriate Commission against us or any of our Consortium Members or in the preceding one (1) year from the Application Submission Deadline for breach of any contract and that the Bid Security submitted by the us or any of our Consortium Members has not been forfeited, either partly or wholly, in any bid process in the preceding one (1) year from the Application Submission Deadline.
16. We confirm that we are not currently blacklisted by any Govt. Organization or Regulatory Agencies or Govt. undertaking.
17. We confirm that we are not currently banned/ debarred by PFCCL/ Utility or any of their subsidiaries/ holding company
18. We are registered/ exempt from registering in accordance with applicable laws [Evidence of valid registration by the Competent Authority shall be attached if applicable]

Dated the ..... [Insert date of the month] day of ..... [Insert month, year] at ..... [Insert place].

Thanking you,

Yours Sincerely,  
 [Insert Signature here]  
 [Insert Name here]  
 [Insert Designation here]

### 3.5. Financial Proposal

3.5.1. "Annexure: Quoted prices for the Financial Bid" under "Form 1: Format of Submission of Financial Bid (For Reference Only)" under "Section 5. Financial Proposal - Forms" of the SBD shall be as follows:

#### Section A: Bill of Materials and Services for Smart Meters. (To be provided for each Group separately)

S. No.	Item Description (A)	Indicative Weightage of Quantity in % (B)*	Rate per Unit including all taxes and duties other than GST (in INR/ meter/ month) (C)	GST applicable in % (D)	AMISP Service Charge (in INR/ meter/ month) (E = C x (1+D%))
1	Single Phase Whole current Smart Meter 5-30A, 240V P-N (with Net Metering) – Consumer Meters with Meter Box, Back-end IT Infra with associated works and requisite no. of polycarbonate seal	85%			
2	Three Phase Whole current Smart Meter 10-60A, 3x240V P-N (with Net Metering) - Consumer Meter with Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal	12%			
3	HT Meters 3-phase (63.5V Ph-N, +/-5 A) (with Net Metering) – Consumer Meters with control cables, with DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal	0.8%			
4	HT Meters 3-phase (63.5V Ph-N, +/-5 A) (with Net Metering) – Feeder Meters with control cables, with DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal	0.4%			
5	LT-CT Meters (3-phase 240V Ph-N, +/-5 A (with Net Metering) – Consumer Meters with control cables, without DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal	0.8%			
6	LT-CT Meters (3-phase 240V Ph-N, +/-5 A) (with Net Metering) – DT Meters with CTs, control cables, with DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal	1%			
<b>Weightage Average AMISP Service Charge (i.e. Sum of Product of (B) and (E) ÷ Sum of (B))</b>					

\* This is an indicative figure only and may vary during RFP stage on case-to-case basis for different project(s).

**Note:**

The cost under the above table are inclusive of supply, erection/ installation, setting up of the complete communication network & integration of items with existing system along with related hardware, software & equipment after successful completion of Field Installation and Integration Test (FIIT) as well as carrying out FMS activities as per the SBD and any other activity for successful completion of the contract.

## Annexure A

### Instructions to Bidder for using for MSTC's E-Procurement Portal

Bidders are requested to read the terms & conditions of this tender before submitting their bid online.

#### 1. Process of E-tender:

- A) **Registration:** The process involves vendor registration with the MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. This submission of bids shall be done over the Internet. The Vendor should possess a valid Class III signing and encryption-type digital signature certificate. Vendors are to make their own arrangements for bidding from a computer connected to the Internet. MSTC is not responsible for making such arrangements. (Bids will not be recorded without a Digital Signature).

**SPECIAL NOTE: THE PRICE BID HAVE TO BE SUBMITTED ON-LINE AT [www.mstcecommerce.com/eproc](https://www.mstcecommerce.com/eproc)**

- i. Vendors are required to register themselves online with <https://www.mstcecommerce.com/eproc> → Register (Fill up details and create your own user id and password) → Submit. Please follow the 'Registration Guide' available in the Registration link before proceeding.
- ii. Vendors will receive a system-generated mail confirming the registration in their email which has been provided while filling out the registration form.
- iii. The Vendors shall have to subscribe to the buyers and categories in order to receive system-generated mail. In order to subscribe, a vendor has to log in and click on 'My Subscription' followed by 'Add Subscription'. On successful subscription, a system-generated mail shall be forwarded to the vendor. Please follow the guide for 'Subscription' of 'Download Guides' available in the Dashboard before proceeding.

#### 2. For specific queries/ clarifications, please contact MSTC:

##### Contact person (MSTC Ltd Delhi):

Ms. Archana, Deputy Manager, Email [ad-archana@mstcindia.co.in](mailto:ad-archana@mstcindia.co.in)

Phone number-9990673698

#### ***For Technical Help: HO Central Help Desk***

##### 1. Phone Number

07969066600

## 2. Email

[helpdeskho@mstcindia.in](mailto:helpdeskho@mstcindia.in)

Please mention "HO Helpdesk" as subject while sending emails

## 3. Availability

9:30 AM to 5:00 PM on all working days for all Technical issues relating to e-auction, e-Tenders, System settings, etc.

### ***NRO Help Desk:***

## 4. Phone Number

01123212357, 01123215163, 01123217850

### **B. System Requirement:**

a) Operating System –Windows 7 and above

b) Web Browser- Preferred 'IE 8' and above.

c) Security Settings:

i) Tools=>Internet Options=>Security=>Disable Protected Mode If enabled-i.e., Remove the tick from the box mentioning "Enable Protected Mode".

ii) Tools => Internet Options => Security =>Custom Level=>

- Active X control & plug-ins: Enable all Active-X Controls
- Scripting: Enable "Allow Status Bar Update Via Script"
- Disable "Use Pop-up Blocker"

d) Java: JRE 8 Latest update

e) Other Settings:

i) View => Toolbars=> "Tick" Status Bar.

ii) Tools=>Internet Options=> General=> Click on Settings under "Browsing history/Delete Browsing History"=> Temporary Internet Files=>Activate "Every time I Visit the Webpage".

f) For new Version of IE or other "Active -X Filtering" under Tools should not be ticked.

g) Tools =>Internet Options=> Security=> Selected Trusted Sites=> Add Website <http://www.mstcecommerce.com>.

2. The tender will be opened electronically on a specified date and time as given in the NIT.

3. All entries in the tender should be entered in online Price Bid Formats without any ambiguity.
4. All notices and correspondence to the bidder(s) shall be sent by email only during the process, up to the finalization of the tender by MSTC. Hence the bidders are required to ensure that their official email ID provided is valid and updated at the stage of registration of vendor with MSTC (i.e. Service Provider). Bidders are also requested to ensure the validity of their DSCs (Digital Signature Certificates).

5. E-tenders cannot be accessed after the due date and time.

6. **Bidding in e-tender:**

- a. The process involves Electronic Bidding for submission of Bid.
- b. The bidder(s) can submit their Bid through the internet on the MSTC Website [www.mstcecommerce.com/eproc](http://www.mstcecommerce.com/eproc)
- c. The NIT/ Documents shall be available for download in the event catalog available under 'Event Details' of the Event.
- d. Please follow the guides for 'Uploading encryption public key' and 'Bidding' under 'Download Guides' available in the Dashboard before proceeding to submit a bid.
- e. The bidders may upload the bidding-related documents in the link 'My Documents'. The documents uploaded here shall be available for attaching with this event on the Bid Floor.
- f. In order to submit a bid, a vendor has to go to 'Events' from the menu and select 'Bid Floor'. The vendor has to select the buyer '**PFC Consulting Limited**' from the buyer list in order to view the live events list. The correct event has to be selected from the event list for participation. A vendor has to submit 'Event wise bid details' that may consist of 'Common Terms' and/ or 'Document Attach'. A vendor has to save the Common Terms and/ or attach documents by clicking the respective buttons. Once the event-specific bids are saved, the status is updated in 'Event specific bid status' and the 'Item specific bid' button appears on the bid floor. Thereafter vendor has to click the button under 'Technical Cover' in order to save the technical bid for specific lots. Once the technical bid is saved, the 'Price Cover' button appears on the screen for respective lots. Once the price bid is saved, the vendor has to click on 'Final Submit'. On final submission of the bid, the status of the bid submission shall display 'Bid submitted' under 'Item specific bid status'. A vendor shall receive system-generated mail.

**NOTE:** - The bid cannot be revised once the Final Submit button has been clicked by the bidder. However, if the bidder wishes to change his bids then he may delete the bid and re-submit the same.

- g. In all cases, the bidder should use their own ID and Password along with a Digital Signature at the time of submission of their bid.

- h. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.
  - i. The e-tender floor shall remain open from the pre-announced date & time and for the duration mentioned above.
  - j. All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by Buyer will form a binding contract between Buyer and the Bidder.
  - k. It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.
  - l. Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.
  - m. No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.
  - n. Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document.
7. Any order resulting from this e-tender shall be governed by the terms and conditions mentioned therein.
8. No deviation to the terms & conditions are allowed.
9. Buyer has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.
10. The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website [www.mstcecommerce.com/eproc](http://www.mstcecommerce.com/eproc) of MSTC Ltd.
11. The bidders should upload all the documents required (if any) as per terms of NIT. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.
12. The bid will be evaluated based on the filled-in Price bid formats.
13. Canvassing in any form in connection with the Tender is strictly prohibited and the bids submitted by the bidders who resort to canvassing are liable to be rejected.