

**Clarifications to Online Pre Bid Meeting Held on the 18.11.2020 at the Conference Room Lum Jingshai MeECL & Queries Received Through Email Till 17:00 hrs of 19.11.2020.  
NIT NO MePDCL/SE(Projects)/Smart Grid/Meter-(E)/2020-21 Dated 11.11.2020 for "Implementation of SMART GRID, Installation of Smart Meters and Upgradation Existing Static Meter in State of Meghalaya"**

**Meghalaya Power Distribution Corporation Limited (MePDCL)**

| S.No | Section/Title  | Clause No./Page No. | Requirements as per Bid Document   | Queries from the prospective Bidders  | MePDCL Reply / Comments  |
|------|----------------|---------------------|--|---|--|
| 1    |                | G1./ Pg. 12         | The Sole Bidder/all Members of Consortium shall be a Company incorporated under the Companies Act 1956/ 2013.  | It is requested that it may be aligned to the Ministry Of Power (MoP)/NSGM guidelines and modified as –<br>' The Sole Bidder/all Members of Consortium shall be a Company registered under the Indian Companies Act 1956/ 2013'   | As specified in the Bid Document   |
| 2    |                | G4./ Pg. 12         | The Bidder or a member of consortium bidder must have successfully completed/ongoing project(s) of Smart Metering with AMI in India.<br>-  | It is requested that it may be aligned to the Ministry Of Power (MoP)/NSGM guidelines and be modified to include 'completed /ongoing project(s) of Smart Metering with AMI in India/globally'- Since there is a significant AMR portion in the project, it is requested that AMR a relevant AMR project in India/Globally be also included in the Qualification requirements. | The Bidder or a member of consortium bidder must have successfully completed/ongoing project(s) of Smart Metering with AMI in India/Globally.<br>- |
| 3    |                | G5 / Pg.13          | The Bidder or a member of consortium bidder should have supplied a minimum cumulative 5 Lacs Energy Meters in last 7 years in India or globally.   | We are assuming that System Integration projects involving 'supply' of meters qualify under this.<br>The requirement of project experience of Bidders be also be laid in accordance with those specified in the MoP/NSGM guidelines.  | As specified in the Bid Document   |
| 4    |                | F2/ Pg. 13          | The solebidder/ consortium must have a net worth of Rs.30 Crores. The bidder must submit a CA certificate to verify the same.  | We request that this too may be made in line with the Mop/NSGM guide lines.   | As specified in the Bid Document   |
| 5    | Clause. 7      | Pg.5                | Meghalaya plans for "Implementation of SMART GRID, Installation of Smart Meters and Upgradation Existing Static Meter in State of Meghalaya". The purpose of this RFP (Request For Proposal) is to identify a suitable Contractor, who would do Designing Supplying, Installation and Commissioning with latest technology integration with the existing system of MePDCL by Implementation of SMART GRID, Installation of Smart Meters and Upgradation of Existing Static Meter including SCADA, DMS & Advanced Metering Infrastructure along with cloud server to manage 3,62,000 Consumers, in State of Meghalaya as per scope of work. | As per this project description, we are presuming that AMI system for 3,62,000 consumer should be implemented on cloud server. Please confirm   | Yes & as specified in Bid Document   |
| 6    | Clause. 8, ii) | Pg.6                | Implementation of regular functionality including : Set up MDM and Billing System.   | We understand that billing system is existing at MePDCL and scope of work is to integrate MDM with Billing system and not to set up billign system. Please confirm  | As specified in the Bid Document : Set up MDM and Billing System.  |
| 7    | Clause. 8.3.4  | Pg.7                | The deployment of smart energy meter shall be carried out with the GPRS/PLC communication, HES and MDM integrated to billing system.   | Considering current trend of AMI solution and provenness of GPRS commuication and the experience of Smart Grid Pilot project implemented by NSGM using PLC communication, We request you allow bidder to offer alternate solution for those meters where PLC Communication suggested in RFP.  | As specified in the Bid Document   |

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| 8  | Clause. 8.3.4               |             | Table in indicating 50 Nos. of RTU/FRTUs.  | 1.Please provide the for details of 50 number of RTU:<br>2. Is utility looking for new RTU or RTUs are already existing ? 3.In case Utility is looking for new RTU please share the list of specification.<br>4. If existing RTU is communicating with any SCADA please provide the details.<br>5. What is the total number of FRTU<br>6. Please share the signal list  | 1. May visit the site for assessment as specified in bid documents. 2. New RTUs. 3. As per the MePDCL system requirements. 4. May visit the site for assessment as specified in bid documents. 5. 50 Nos 6. As per the MePDCL system requirements. |
| 9  | Clause. 8.3.4               |             | Table in indicating SCADA software and DMS software for 3.62 Lac Consumer  | 1.Please share the Bill of material for control center.<br>2.Please let us know if data have to be shared with SLDC/NLDC<br>3. For running all DMS application as mentioned in the RFP we may require some additional signal.<br>We understand that utility has considered those signal in there existing RTU. In case additional signals are not been considered then please provide the details that how the new cards will be added or considered for existing RTU/FRTU<br><br>We understand for Running the DMS application all RMUs will have FRTU and RMU should be automated. Please confirm | 1. Within Bidder's Scope. 2. As specified in Bid Document. 3. As per system requirements. 4. New RTUs. 5.As per system requirements.   |
| 10 |                             |             | The bidder shall have to keep spare of equipment's in its store during the operation and maintenance period. The all faulty equipment shall be replaced by the Successful bidder without any additional financial implications to the MePDCL.                      | Please provide the list of hardware required for spare and it's quantity.   | As per bid document.   |
| 11 | Clause No. 11.2             | Page No. 11 | Bids shall be submitted in two parts viz., (1) Technical Bid to be submitted through online as well as Hard copy to be submitted, and (2) Price Bid on need to be submitted online only.   | Considering the current pandemic situation, we request you to remove requirement of hardcopy submission of technical bid  | Bids shall be submitted in two parts viz., (1) Technical Bid to be submitted through online as well as Hard copy to be submitted, and (2) Price Bid need to be submitted online only.  |
| 12 | Clause No. G5               | Page No. 12 | G.5<br>The Bidder or a members of consortium bidder should have a supplied minimum cumulative 5 Lacs Energy Meters in last 7 years in India or globally.   | Since this project is for AMI system with Smart Meter we request you to consider experience of supply of Smart Meter as well. Hence request you to change Qualifying requirement as under:<br><br>"The Bidder or a members of consortium bidder should have a supplied minimum cumulative 5 Lacs Energy Meters or 2 Lac Smart Meters as per IS16444 in last 7 years in India or globally."  | As per Bid Document  |
| 13 | Clause No. 23.4.3           | Page No. 23 | The bidder scores equal to or more than 80 out of 100 in the technical evaluation criteria.  | We understand that is not applicable for current bid, please confirm  | As specified in Bid Document.  |
| 14 | Clause No. 12 sub clause G6 | Page No. 13 | The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in-house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three. | The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day or 75000 per month in- house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three Justification: As there are on average 25 working days, 3000 per day meters means 75000 meters per month.   | As specified in Bid Document.  |

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| 15 | Clause No. 18 | Page No. 48              | Liquidated Damage: SCC clauses referred under this clause are not available in SCC.   | Request you to provide the same   | Liquidated damages shall apply for delay in completion of the any activity beyond this period of 12 months (except for, operation and maintenance services of the all system) subject to any time extensions granted.<br>Applicable rate for liquidated damages: @ 0.25% of Contract Price of the delayed activity per week or part thereof .<br>Maximum deduction for liquidated damages: maximum 10% of the Contract Price. No bonus will be given for earlier Completion of the Facilities or part thereof. |
| 16 | VOLUME-III    | Technical Specification: | There is requirement in RFP for Upgradation of Existing 2 Lac Single phase static meter by Installing GPRS/3G/4G mobile communication module, with all accessories, software / APIs .   | In order to estimate the communication hardware and software required for this upgrade .we need following information:<br>1. Make of Static Meter installed in field<br>2. Confirmation of availability of communication port on static meter and detail of communication protocol used by Static meters  | As per Bid Documents in Clause 8.2 at page sl no 7   |
| 17 | Clause 2      | Page No. 67              | TECHNICAL SPECIFICATION FOR SINGLE PHASE AND THREE PHASE AC WHOLE CURRENT SMART ENERGY METER. In case of GPRS/3G/4G/NbIoT based meter, the meter shall accommodate SIM card of any service provider.  | Kindly clarify which one of the following is desired 1) 3G fall back to 2G 2) 4G fall back to 2G 3) 4G fall back to 3G fall back to 2G 4) NBIoT fall back to 2G   | As per Bid Document.   |
| 18 | Clause No. 3  | Page No. 69              | OTHER SPECIFICATIONS : Manufacturer Shall undertake a guarantee to replace meter up to a period of 60 months from the date of supply.   | As per the standard practice, Warranty shall be provided instead of Guarantee. Kindly confirm if this is acceptable.  | As per bid Document.   |
| 19 | Clause No. 3  | Page No. 67              | OTHER SPECIFICATIONS : 5-30 A/ 10-60 A ( as per the requirement of the utility).  | The following ratings can be provided 5-30A, 10-60A for 1Phase meter 10-60A for 3Phase meter. Kindly confirm the ratings for both the types.  | As specified in bid documents.   |
| 20 | Clause No. 16 | Page No. 71              | METER BOX : The Meter Box would be provided as per requirement of the utility/ purchaser.   | Please provide the specifications of Meter Box.   | As per Bid Document.   |
| 21 |               |                          | Earnest Money Deposit (EMD) The bidder shall submit EMD of INR. 2,00,00,000.00<br>The Bidder shall provide a Performance Security of 10 percent of the Contract Price. The Performance Security shall be denominated in the currency of the bid / INR and shall be for 10% of the contract price (including GST). | W.r.t. the MoF, Office Memorandum No. F.9/4/2020 PPD dated 12th Nov'20 (Subject: Bid Security/ Earnest Money Deposit.) for the Bid Security Declaration, please provide the format of declaration alongwith any specific financial criteria (project specific) to be met for the declaration. W.r.t. the MoF, Office Memorandum No. F.9/4/2020 PPD dated 12th Nov'20 (Subject: Performance Security.) for the Bid Security Declaration, please provide the format of declaration alongwith any specific financial criteria (project specific) to be met for the declaration | As per Bid Document.   |

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| 22 | Invitation for Bidders (IFB) and Instruction to the Bidders (ITB)          | 2. Notice Inviting Tender (NIT), 6 & 15. Bid Gurantee (EMD): | Earnest Money Deposit (EMD) The bidder shall submit EMD of INR. 2,00,00,000.00   | W.r.t. the MoF, Office Memorandum No. F.9/4/2020 PPD dated 12th Nov'20 (Subject: Bid Security/ Earnest Money Deposit.) for the Bid Security Declaration, please provide the format of declaration alongwith any specific financial criteria (project specific) to be met for the declaration.   | Bid Security Format (Bank Guarantee) is attached at page No. 58   |
| 23 | General Conditions of Contract (GCC)/ Special Conditions of Contract (SCC) | 13. Performance Security                                     | The Bidder shall provide a Performance Security of 10 percent of the Contract Price. The Performance Security shall be denominated in the currency of the bid / INR and shall be for 10% of the contract price (including GST).  | W.r.t. the MoF, Office Memorandum No. F.9/4/2020 PPD dated 12th Nov'20 (Subject: Performance Security.) for the Bid Security Declaration, please provide the format of declaration alongwith any specific financial criteria (project specific) to be met for the declaration   | Performance Security Format (Bank Guarantee) is attached at page No. 62   |
| 24 | General  | Project Funding  | Project Funding  | Request to please confirm whether the project is Central funded or State funded/Under any scheme with contribution/grant.   | Not Relevant  |
| 25 | Invitation for Bidders (IFB) and Instruction to the Bidders (ITB)          | 12. Qualifying Requirements                                  | G.4<br>The Bidder or a member of consortium bidder must have successfully completed/ongoing project(s) of Smart Metering with AMI in India<br><br>As the project scope is installing 1.62 Lakhs Smart Meters and further 2 Lakh energy meters to integrate, hence we understand the quantity of Smart Meters integrated till date for the completed/ongoing projects of Smart Metering with AMI in India is important. | Request to specify the min. experience of 1Lakh Smart Meter Integration in completed/ongoing project(s) of Smart Metering with AMI in India   | As specified in Bid Document.   |
| 26 | Invitation for Bidders (IFB) and Instruction to the Bidders (ITB)          | 12. Qualifying Requirements                                  | G.6<br>The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three Phase Smart Meters.   | As the project schedule is for 12 months, we assume the supply of 1.62Lakh Smart Meter to be completed within 3 months. Hence, Manufacturer for smart meters having minimum 2000 per day in house manufacturing facilities also can met the project schedule.<br>Request to review the per day minimum requirement of 3000 meters capacity. New firms and Smart Meter manufacturers should be given a fair chance to participate hence total 1.62 Lakh meter supply in 3 months shall suffice the requirement. Kindly modify the clause accordingly. We propose to participate as Sole Bidder with MAF and MOU(as specialist sub contractor) from Meter Manufacturers.Please review the QR Requirement and amened the same. in case any issue in the smart meter deliverables/functionalities, being consortium member it will be difficult to find a suitable replacement meter Make/Model as per Client's requirement/instruction. Hence requested to allow participation with formal MOU&MAF with meter manufacturer having option to find suitable replacement during project W/o hampering the overall project schedule. | As specified in Bid Document.   |
| 27 | Invitation for Bidders (IFB) and Instruction to the Bidders (ITB)          | 8.3.7.   | It is necessary that the Bidder or any member of consortium have to get a trade license issued by the state of Meghalaya.  | We understand the same is applicable for the successful bidder and further award of contract. Presently for bidding the same is not required, kindly confirm.   | It is necessary that the Bidder or any member of consortium have to submit trade license issued by the state of Meghalaya if not available, it should be obtained before award of contract. |

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| 28 | Invitation for Bidders (IFB) and Instruction to the Bidders (ITB)   | 8.4.2. Operation and Maintenance Period | The operation and Maintenance is for Two (02) Years after commissioning of the complete system. The contractor shall operate and maintain the complete infrastructure for Two (2) years, which can be extendable to 5 years, after the Commencement Certificate is received.   | Request to allow Bidders to quote the O&M charges for the 3rd, 4th & 5th year also as an optional basis and the same should not be considered for Bid evaluation.   | As specified in Bid Document.   |
| 29 | G.6 (Bid documents)   | 13 of 87                                | The bidder or.....Three phase.   | We request to please accept the BIS certification IS:16444 for Single phase Or Three phase smart meters. As our Single phase smart meter has BIS IS:16444 certified and three phase is under certification and will take time for another two-three months to get the same. we will submit one undertaking with bid documents to provide the three phase BIS certification post award and during smart meter documents approvals.                           | As specified in Bid Document.   |
| 30 | Financial qualification criteria F.1                                | Page no. 13 of 87                       | MINIMUM AVERAGE ANNUAL TURNOVER(MAAT):The Minimum Average Annual Turnover (MAAT) requirement of sole bidder/consortium shall not to be less than Rs. 200 Crores in last three financial years.   | We would request you to kindly reduce this condition to INR 100 Cr. Suggested clause – “The Minimum Average Annual Turnover (MAAT) requirement of sole bidder/consortium shall not to be less than Rs. 100 Crores in last three financial” This condition is very stringent and will restrict the participation.  | As per Bid Document   |
| 31 | Qualification Criteria G.6  | Page no. 13 of 87                       | The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in-house manufacturing facilities.<br>Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three.  | Please allow the bidder to submit the BIS certificate for the offered smart meters before the commencement of supplies. Request you please clarify the exact quantities, If, 3,62,000 then provide the area where these installations are located.<br>This would allow more bidders and flexibility to MePDCL.  | As specified in bid documents.  |
| 32 | Details of Location and Project Description                         | Page no 85-87                           |  | Request you please clarify the exact quantities, If, 3,62,000 then provide the area where these installations are located.  | The Number of Consumers as per at page sl no 85-87 is 1,62,000. However, 200000 consumers will be as per scope in bid document. |
| 33 | INVITATION FOR BIDDERS (IFB) Clause no. 8.1.1<br>Scope of the Work: | Page no. 5                              | i) Designing Supplying, Installation and Commissioning with latest technology integration with the existing system of MePDCL by “Implementation of SMART GRID, Installation of Smart Meters and Upgradation Existing Static Meter including SCADA, DMS & Advanced Metering Infrastructure along with cloud server to manage 3,62,000 Consumers, in State of Meghalaya” . .   | Please give a more defined scope of work for the Upgradation on Existing static meters. We would also require the following clarifications on the Existing meters:<br>1. The make and model of the existing meters.<br>2. Will we have to install a lockable - sealed outer box on the existing meters so that the retrofit device is not tampered with.<br>3. Will you allow RF communication as a part of the communication types that are allowed        | As per scope of Bid Document  |
| 34 | INVITATION FOR BIDDERS (IFB) Clause no. 8.3.1                       | Page no. 7                              | Manufacture, Factory Acceptance Test, Supply on FOR Destination to Site basis, Transportation, Insurance, Unloading, Storing, Handling and moving into the final position,<br>Installation, Testing, Commissioning and putting the Smart Energy Meters and installation of network on GPRS/PLC communication network based Technology, Deploying of SCADA, DMS, Head End System (HES), MDM and Billing into Successful Commercial operation and Go live. | Manufacture, Factory Acceptance Test, Supply on FOR Destination to Site basis, Transportation, Insurance, Unloading, Storing, Handling and moving into the final position,<br>Installation, Testing, Commissioning and putting the Smart Energy Meters and installation of network on GPRS/PLC /RFcommunication network based Technology, Deploying of SCADA, DMS, Head End System (HES), MDM and Billing into Successful Commercial operation and Go live. | As per Bid Document   |
| 35 | INVITATION FOR BIDDERS (IFB) Clause no. 8.3.7                       | Page no. 8                              | It is necessary that the Bidder or any member of consortium have to get a trade license issued by the state of Meghalaya.  | The trade license issued by the state of Meghalaya should be obtained if the bidder is declared successful and after the award of contract to the bidder. Bidder also may be at liberty to involve a local sub-contractor to meet this requirement after award of contract.   | As per bid document   |

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| 36 | INVITATION FOR BIDDERS (IFB) Clause no. 8.3.9  | Page no. 8 | The installation of the Smart Energy meters commenced only after the successful operation of the field equipment for GPRS/PLC Communication with HES.  | The installation of the Smart Energy meters commenced only after the successful operation of the field equipment for GPRS/PLC /RF Communication with HES.   | As per bid document                  |
| 37 | INVITATION FOR BIDDERS (IFB) Clause no. 11.7   | Page no.12 | MePDCL reserves the right to award this project to a single bid as well, as long as the prices quoted online via the e- bidding portal are within the approved budget sanctioned by MePDCL for the implementation of this project.   | This clause is in contradiction on of CVC guidelines. May be amended accordingly.   | As per Bid Document refer 28.1 (ITB) |
| 38 | INVITATION FOR BIDDERS (IFB) Clause no. 12. Qualifying Requirements:                               | Sr. No. G6 | The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in- house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three.  | As the deployment of Three Phase meters are only limited to 6550 numbers, please allow participation of bidders who have BIS for the single phase meters at the time of bidding provided the bidder gives a declaration that it will provide the BIS for the three phase meter before the supply of three phase meters commence.<br>Please amend the clause as follows:<br>The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in-house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase. | As per Bid Document                  |
| 39 | TECHNICAL SPECIFICATION FOR SMART METERING DATA CONCENTRATOR UNIT Clause no. 4.0. DCUCOMMUNICATION |            | <input type="checkbox"/> DCU shall communicate with smart meters using PLC via NAN and with HES using mobile communication 3G/4G Via WAN and shall support SIM card from any service provider. <input type="checkbox"/> Communication protocols for PLC shall be Prime or G3 – PLC complying with ITU standards indicated in IS 16444 (part 1). <input type="checkbox"/> It shall comply with data exchange standard as per DLMS / COSEM application layer protocol complying with IS 15959 - Part I and; <input type="checkbox"/> Each DCU shall be able to support communication with at least 500 smart meters within data transmit distance upto 1500 m. The bidder shall include cost of any additional peripheral equipment such as repeater with the DCU (if required) to comply with this requirement. | When we are deploying DCU's then we should be allowed RF / NAN communication between the Smart Meters and the DCU and WAN between the DCU and the HES.<br>Please amend this clause as the following<br><input type="checkbox"/> DCU shall communicate with smart meters using PLC / RF via NAN and with HES using mobilecommunication 3G/4G Via WAN and shall support SIM card from any service provider.   | As per Bid Document                  |
| 40 | <b>Page No 9</b>   |            | <b>The word could appearing in place of cloud</b>  | <b>In place of could may be read as cloud .</b>   |                                      |
| 41 |  | G.1        | The Sole Bidder/all Members of Consortium shall be a Company incorporated under the Companies Act 1956/ 2013.  | The sole bidder/ Lead Bidder in case of Consortium shall be a company incorporated under the Companies Act 1956/2013  | As per Bid Document                  |
| 42 |  | G.2        | The Sole Bidder /a Member of Consortium bidder should have presence in India for the last 3 financial years as on 31.3.2020.   | The Sole Bidder/ Lead Bidder in case of Consortium should have presence in India  |                                      |
| 43 |  | G.3        | The Sole Bidder/all Members of Consortium bidder shall not be blacklisted by any Central/ State Govt./ PSU or any entity controlled by them for any reason whatsoever, from a duration of 3 preceding financial years up to the time of this bid submission.   |   |                                      |
| 44 |  | G.4        | The Bidder or a member of consortium bidder must have successfully completed/ongoing project(s) of Smart Metering with AMI in India  |   |                                      |

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| 45 |       | G.5 | The Bidder or a members of consortium bidder should have a supplied minimum cumulative 5 Lacs Energy Meters in last 7 years in India or globally.   | The Bidder or all members of the consortium combines must have experience in Implementing minimum 200K Smart Electricity Meters with complete End-to-End AMI Solution (In India/Globally) as on date of bid submission which includes:a. Integration of Minimum 5 different Meter Manufacturers with the HES (Head-End System) deployed<br>b. Deployment of Head-End System for Minimum 200K Smart Electricity Meters.<br>c. Deployment of Meter Data Management System for Minimum 200K Smart Electricity Meters<br>d. Integration with Utility Legacy system In case of Utility a self-certification shall be submitted for the AMI solution implemented within the Utility with Work-order issued to Smart MeterManufacturers and other Software implementation OEMs/service providers.<br>The Bidder/s shall submit "Manufacturer's Authorization Certificate" from the Smart Meter OEM who has supplied Minimum cumulative 5 Lacs Smart Meters in the last 7 years in India or Globally. | As per Bid Document          |
| 46 |       | G.6 | The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in-house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three | The Bidder/s shall submit "Manufacturer's Authorization Certificate" from the Smart Meter OEM having minimum 3000 per day in-house manufacturing facilities. Bidder must submit the BIS certification IS:16444 with latest amendments/ equivalent International Standard in IEC for submission for Single Phase & Three   | As per Bid Document          |
| 47 |       |     | <b>Financial Qualification Criteria</b>   |   |                              |
| 48 |       | F.1 | MINIMUM AVERAGE ANNUAL TURNOVER(MAAT): The Minimum Average Annual Turnover (MAAT) requirement of sole bidder/ consortium shall not to be less than Rs. 200 Crores in last three financial   | In case of International company, Techno-Commercial Qualifications submitted by Parent company shall be submitted.  | As per Bid Document          |
| 49 |       | F.2 | The sole bidder/ consortium must have a net worth of Rs.30 Crores. The bidder must submit a CA certificate to verify the same.  |   | As per Bid Document          |
| 50 | 8.1.2 | 7   | The Contractor shall operate and maintain the infrastructure for Two (2) years which can be extendable to 5 years, after the Commencement Certificate is received.  | We understand that the charges for O&M services, if extended beyond 2 years, shall be re-negotiated and a separate order shall be placed for additional O&M period at the rate mutually agreed by both parties at the time of re-negotiation. May kindly confirm  | As per Bid Document          |
| 51 | 8.2.2 | 7   | The successful bidder has to study and understand the site conditions in totally and prepare brief action plan to carry out these works in 12 months and submit the completion schedules.   | Kindly extend the delivery timelines to upto 18 months.   | As per Bid Document          |
| 52 | 8.3.3 | 7   | The successful bidder shall establish the communication between Network and HES. Once the communication network along with HES and MDM is established, the MDM is to be integrated with the billing system as per the requirement of MePDCL                       | Kindly provide the details of the billing system deployed in MePDCL from which the AMI system is to be integrated   | As per scope of Bid Document |
| 53 | 8.3.4 | 7   | The deployment of smart energy meter shall be carried out with the GPRS/PLC communication, HES and MDM integrated to billing system.  | The RFP mentions the use of PLC technology for some number of meters. It may be noted that AMI implementation on PLC technology is not very successful in India. The vendors for PLC technology are also different and it requires a difference architecture. Hence it is requested to allow the implementation of AMI on GPRS for all the meters.  | As per Bid Document          |

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| 54 | Table of component description, point no. 2 | 8  | Supply & Installation of Three Phase Smart Meters  | Among the three phase meters, kindly mention the number of LTCT and whole current meters required to be installed  | As per scope of Bid Document   |
| 55 | Table of component description, point no. 9 | 8  | Server for SCADA, DMS & AMI for 3.62 Lacs consumer   | We understand that server is to be provided by the bidder and shall be installed in the data center of MePDCL. We assume that proper space is available in the data centre for installation of the server. May kindly confirm.<br>Also, kindly clarify in whose scope other components of data center - routers, switches, etc. - shall be?  | As per scope of Bid Document   |
| 56 | 8.4.2 (para 2)                              | 9  | Total Monthly Opex Charge is to be paid monthly to the contractor upon Completion of each Block of 10,000 Smart Energy Meters effective from receipt of "Commissioning Certificate" of each respective Block   | We understand that the system shall be commissioned in batches of 10,000. The O&M period shall commence batchwise after the commissioning of each batch and continue for 24 months / 60 months (if extended). Accordingly, the handing over of AMI system to MePDCL shall also be done in batches. Kindly confirm our understanding.   | As per scope of Bid Document   |
| 57 |   |    | The entire end-to-end solution shall comply with the Service Level Agreement (SLA) on quarterly basis, Key performance indicators and associated penalties   | Kindly clarify in which section of the RFP the SLAs, KPIs and associated penalties are provided. May kindly provide the same if not already included in the RFP  | As per scope of Bid Document   |
| 58 | Qualifying Requiriements G4                 | 12 | The Bidder or a member of consortium bidder must have successfully completed/ongoing project(s) of Smart Metering with AMI in India  | Tata Power is a distribution company and has done AMI implementation for its own area. Tata Power-DDL, a majority owned subsidiary of Tata Power, also has experience of AMI implementation for its own area. Tata Power understands the practical situations faced during the implementation of such projects and in effective resolutio of the same. Such experience can effectively be utilized for successful implementation of AMI project in MePDCL. Hence, it is requested to accept the self experience of a distribution utility or its majority owned subsidiary in compliance to this criteria. | As per Bid Document            |
| 59 | Qualifying Requiriements G5 and G6          | 12 | The Bidder or a members of consortium bidder should have a supplied minimum cumulative 5 Lacs Energy Meters in last 7 years in India or globally.<br>The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in-house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three phase | The competency of the meter manufacturer is product manufacturing while the responsibility of the complete and successful execution of the project rests with the system integrator. Hence, it is requested to allow the meter manufacturer as sub contractor also. The individual clause for qualification of meter manufacturer still be met by OEM as sub contractor  | As per Bid Document            |
| 60 | 12.1.2                                      | 13 | The Price bids of the entire technically qualified bidder will be opened, and lowest quoted price bidder will be qualified, and work will be awarded to them.  | This is a huge project and requiries high quality standards for successful execution. To award the order on lowest cost basis might not best suited for such kind of projects. For such large executions, it is recommended to evaluate the bids by giving proper weightage to the technical aspects as well. Hence it is proposed to revise the evaluation criteria and evaluate on the basis of 80:20 ratio to technical capability and financial quote respectively.  | Agreed and as per Bid Document |
| 61 | 25.3  | 24 | The comparison shall be on the basis of the lowest quoted price...   |  |                                |
| 62 | 25.4  | 24 | The firm which has quoted the lowest quoted price (L1 Bidder) for complete work (SUPPLY, ERECTION, MAINTENANCE) as beneficial to owner will be selected  |  |                                |
| 63 | 19.1  | 22 | Both the Bids shall be submitted through Online. The Technical Bid document to be submitted in hard copy by depositing in the Office of the Supentending Engineer (Projects), MePDCL before the bid submission time.   | Kindly accept both the bids through online mode. Courier services are not properly functional due to COVID crisis and it may take longer than usual to send the hard copy of the technical bid through courier. Hence, it is requested to kindly accept the bid through online mode only.  | Not Relevant                   |



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| 64 |  | 39    | Contractor is the Sole bidder / Consortium members (in the case of a Consortium bid), is a specialized entity which has been appointed by MePDCL for implementing, operating, maintaining the AMI project in Utility's area of operation   | Kindly clarify how many members are allowed in the consortium  | 1. Two parties/ members to form a consortium for this project. |
| 65 | 4.1.4                                  | 44    | Payment terms  | The payment terms are majorly devised on AMI implementation where the bidder can claim the due amount on pro rate basis for a lot of 10,000 meters. It is not clear how the payment of SCADA and DMS related amount shall be made. Request to kindly clarify   | As per Bid Document  |
| 66 |  | 63-65 | Technical specifications - SCADA functions   | More details regarding the scope of SCADA and DMS are required. For eg. How many substations are required to be covered? Whether any field hardware is required to be supplied and installed by the bidder or all the substations are SCADA ready. Whether the establishment of control center for SCADA is also in the scope of the bidder. It is requested to provide detailed scope of work for SCADA and DMS | As per scope of Bid Document                                   |
| 67 |  | 73    | Technical Specifications for AMI system implementation   | It has been mentioned in the scope that bidder has to "Install smart CT operated meters for distribution transformers for DTR metering" (bullet no.3). Kindly mention the nos. of such DT meters.  | As per scope of Bid Document                                   |
| 68 | 7                                      | 5     | The purpose of this RFP (Request For Proposal) is to identify a suitable Contractor, who would do Designing Supplying, Installation and Commissioning with latest technology integration with the existing system of MePDCL by Implementation of SMART GRID, Installation of Smart Meters and Upgradation of Existing Static Meter including SCADA, DMS & Advanced Metering Infrastructure along with cloud server to manage 3,62,000 Consumers, in State of Meghalaya as per scope of work. | In page no. 73, it has been mentioned in the scope that bidder has to "Establish HES / MDM for AMI system at MePDCL Data Center in Shillong/Byrnihat". However in page no. 5 clause 7, it has been mentioned that the contractor has to establish the system on cloud server. Request to kindly clarify the server requirement in order to remove the ambiguity.   | As per Bid Document  |
| 69 | Technical specifications of AMI system | 73    | Establish HES / MDM for AMI system at MePDCL Data Center in Shillong/Byrnihat  |  | Will be intimated accordingly.                                 |
| 70 |  |       | General  | This is a large project and involves co-ordination among many partners / sub-contractors. To be able to execute the project successfully, it is important to accurately plan and propose the best executable solution. Hence it is requested to kindly extend the due date for submission of bids by at least 4 weeks so as to prepare the best workable solution for MePDCL                                     | Will be intimated accordingly.                                 |
| 71 |  |       | General  | Kindly clarify the source of funding of the project  | Not Relevant   |
| 72 |  |       | General  | The project scope includes both implementation of SCADA system and AMI system. It may be noted that SCADA and AMI each is a project in itself and requires different expertise and experience. Also the vendors for both these projects are different. Hence we request to kindly separate the scope of SCADA and AMI in two separate tenders.   | As per Bid Document  |
| 73 |  |       | General  | Kindly provide the GPS coordinates of the site / meter locations   |  |
| 74 |  |       |  | We request MePDCL to please consider for rescheduling of the meeting.<br>( May be extended by next week)   | Will be intimated accordingly.                                 |
| 75 |  |       |  | We request MePDCL to please extend the Tender by 2-3 weeks   | Will be intimated accordingly.                                 |
| 76 |  |       |  | We request MePDCL to please consider for rescheduling of the meeting.  | Will be intimated accordingly.                                 |
| 77 |  |       |  | We request MePDCL to please consider for rescheduling of the meeting. ( May be extended by another seven days)   | Will be intimated accordingly.                                 |

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| 78 | 7  | 08:03:04                                      | The deployment of smart energy meter shall be carried out with the GPRS/PLC communication, HES and MDM integrated to billing system.  | Considering current trend of AMI solution and provenness of GPRS communication and the experience of Smart Grid Pilot project implemented by NSGM using PLC communication, we request you to allow bidder to offer alternate solution for those meters where PLC communication suggested in RFP  | As per Bid Document  |
| 79 | 7  | 08:03:04                                      | Table in indicating 50 Nos. of RTU/FRTUs  | 1.Please provide the for details of 50 number of RTU:<br>1. Is utility looking for new RTU or RTUs are already existing ?<br>2.In case Utility is looking for new RTU please share the list of specification.<br>3.If existing RTU is communicating with any SCADA please provide the details.<br>4.What is the total number of FRTU<br>5.Please share the signal list<br>6. Please share the I/O List | 1. May visit the site for assessment as specified in bid documents. 2. New RTUs. 3. As per the MePDCL system requirements. 4. May visit the site for assessment as specified in bid documents. 5. 50 Nos 6. As per the MePDCL system requirements. |
| 80 |    | 08:04:03                                      | The bidder shall have to keep spare of equipment's in its store during the operation and maintenance period. The all faulty equipment shall be replaced by the Successful bidder without any additional financial implications to the MePDCL. | Please provide minimum percentage of spare to maintain.  | As per Bid Document  |
| 81 | 11 | 11:02:00                                      | Bids shall be submitted in two parts viz., (1) Technical Bid to be submitted through online as well as Hard copy to be submitted, and (2) Price Bid on need to be submitted online only.  | Considering the current pandemic situation, we request you to remove requirement ofhardcopy submission of technical bid. Recently many power utilities have relaxed hard copy submission for their bid requirement because of the current pandemic situation.  | As per Bid Document  |
| 82 | 12 | G.5   | The Bidder or a members of consortium bidder should have a supplied minimum cumulative 5 Lacs Energy Meters in last 7 years in India or globally  | Since this project is for AMI system with Smart Meter, we request you to consider experience of supply of Smart Meter as well. Hence request you to change Qualifying requirement as under:<br>"The Bidder or a members of consortium bidder should have a supplied minimum cumulative 5 Lacs Energy Meters or 2 Lac Smart Meters as per IS16444 in last 7 years in India or globally."                | As per Bid Document  |
| 83 | 23 | 23:04:03                                      | The bidder scores equal to or more than 80 out of 100 in the technical evaluation criteria.   | As per tender "The firm which has quoted the lowest quoted price (L1 Bidder) for complete work (SUPPLY, ERECTION, MAINTENANCE) as beneficial to owner will be selected. Moreover, there is no evaluation criteria for this tender. Hence, this clause is not applicable. Kindly confirm  | As per Bid Document  |
| 84 |    | <b>VOLUME-III<br/>Technical Specification</b> |   |  |  |
| 85 |    |   | There is requirement in RFP for Upgradation of Existing 2 Lac Single phase static meter by Installing GPRS/3G/4G mobile communication module, with all accessories, software / APIs .   | In order to estimate the communication hardware and software required for this upgrade we need following information:<br>1. Make of Static Meter installed in field<br>2. Confirmation of availability of communication port on static meter and detail of communication protocol used by Static meters  | As per Bid Document at Clause 2 of Technical Specifications for AMI System Implementation.   |
| 86 | 67 | clause No.2                                   | TECHNICAL SPECIFICATION FOR SINGLE PHASE AND THREE PHASE AC WHOLE CURRENT SMART ENERGY METER. In case of GPRS/3G/4G/NbIoT based meter, the meter shall accommodate SIM card of any service provider.  | Kindly clarify which one of the following is desired 1) 3G fall back to 2G 2) 4G fall back to 2G<br>3) 4G fall back to 3G fall back to 2G 4) NBioT fall back to 2G.<br>Also, kindly confirm 4G and NBioT network availability in Meghalaya?  | As per Bid Document  |
| 87 | 69 | 3   | OTHER SPECIFICATIONS : Manufacturer Shall undertake a guarantee to replace meter up to a period of 60 months from the date of supply  | As per the standard practice, Warranty shall be provided instead of Guarantee. Kindly confirm if this is acceptable.   | As per Bid Document  |

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| 88 | 5   | 7. Project Description: | The purpose of this RFP (Request For Proposal) is to identify a suitable Contractor, who would do Designing Supplying, Installation and Commissioning with latest technology integration with the existing system of MePDCL by Implementation of SMART GRID, Installation of Smart Meters and Upgradation of Existing Static Meter including SCADA, DMS & Advanced Metering Infrastructure along with cloud server to manage 3,62,000 Consumers, in State of Meghalaya as per scope of work. | The make and model with technical specification of existing single phase meters for up gradation purpose is required   | As per Bid Document at Clause 2 of Technical Specifications for AMI System Implementation. |
| 89 | 8   |                         | SCADA for 3.62 Lacs consumer with 2 years of Operations- 50 Nos. RTUs/FRTUs  | Detailed FRTU and RTU technical specifications are required  | As per MePDCL System Requirements  |
| 90 | 79  | Prepaid functionality   | The successful bidder is required to implement prepaid metering via MDM initially for about 10,000 Nos customers in the AMI system   | The desired interface for recharge of the payment for prepaid meters can be explained  |  |
| 91 |   |                         |  | 2. As per bidding document we understand that joint venture is allowed but there is no joint venture undertaking format is available - can we used any standard format for this purpose?<br>3. In your bid document joint venture requirement is not cleared please give us criteria in detail.<br>4. Reguadig Hard copy submission please specify what are the documents we have to submit in hard copy.<br>5. Please share the details of funding for this project.  | 2,3,4 As per requirement in the Bid Document. 5. Not Relevant.                             |
| 92 | 04:01:04  | Payment Terms           | (i) Upon Successful Delivery: The Purchaser shall pay the Supplier 70% of the Contract Price of the Goods shipped and delivered within 30 days upon submission of a claim together with documents specified in SCC Clause  | As mentioned in the current payment terms it is provided for supply part as mentioned and no mention of payments related to installation, integration, testing and commissioning is provided. Although the milestone of installation and commissioning is given for releasing payment on supply but for release of payment related to installation, testing, integration and commissioning is required hence we request MePDCL to Please clarify Payment Terms for BOQ No.2 (Item Number 1.01,1.02,1.03,1.04,1.05,2.01,2.02,2.03,2.04,2.05,2.06) | As mentioned in Bid Document   |
| 93 | (ii) Upon Successful Installation: The Purchaser shall pay the Supplier 25% of the Contract Price of the Goods shipped, delivered, successfully installed and commissioned within 30 days upon submission of a claim together with documents specified in SCC Clause 12.1 and certification by the Purchaser of successful installation of the Goods. |                         |  |  |  |
| 94 | (iii) On Acceptance: 5% of the Contract Price of Goods shall be paid upon completion of supply and successful installation and commissioning of Goods and upon submission of a claim supported by the acceptance certificate issued by the Purchaser.   |                         |  |  |  |
| 95 | (iv) Payment for O & M work i.e. Communication charges, Server charges as mentioned in BOQ-2 ( Item Number- 2.07 & 2.08) shall be paid Monthly basis upon submission of Invoice duly verified by Project Incharges with other related documents   |                         |  |  |  |

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| 96  | 1.07 | Upgradation of Existing single phase static meter | Upgradation of Existing Single phase static meter by Installing GPRS/ 3G/4G mobile communication module, with all accessories, software / APIs and warranty as specified.   | Kindly provide details for upgradation activity and provide details on required accessories as well   | As per Bid Document at Clause 2 of Technical Specifications for AMI System Implementation.  |
| 97  | 2.01 | Supply of Hardware, Networking & other equipment  | Supply of Hardware, Networking and other Equipment, Peripherals and Facilities with warranty as specified for establishment of HES, MDM and Web Service for AMI at MePDCL Data Center including Servers ( including application, web, data archiving, network management servers), LAN and SAN networking equipment, Firewalls & Intrusion Prevention System, Centralized Management Console and Work Stations (with furniture), equipment stands, printers, online UPS, all cabling, power distribution equipment and spares as specified, as per bidder's technical proposal and complying with the requirements of Technical Specification | Kindly provide Technical specification for Servers ( including application, web, data archiving, network management servers), LAN and SAN networking equipment, Firewalls & Intrusion Prevention System, Centralized Management Console and Work Stations (with furniture), equipment stands, printers, online UPS, all cabling, power distribution equipment and spares  | As per system requirements & Clause 8.1.1. at page sl no 5 & 6.   |
| 98  | 2.03 | Installation Testing & Commissioning of DCU       | Installation, testing and commissioning of DCUs including all accessories, devices and enclosure at Distribution Transformer locations including connection to AMI  | Please Provide Distribution Transformer location for DCU installation 200 nos.  | Will be intimated accordingly.  |
| 99  | 2.02 | Site Survey                                       | Site survey including consumer indexing and AMI system design covering 362,000 nos electricity consumers in designated areas  | Site Survey activity for upgradation of existing single phase static meter 2,00,000 nos not included in BOQ 2. Please clarify   | The quantity shown in BOQ2, at 2.02 is to be read and is corrected as "Site survey including consumer indexing and AMI system design covering 362,000 numbers electricity consumers in designated areas" as indicated at Sub Clause 2.1 of Technical Specification for AMI System under Clause 2.0. |
| 100 | 2.2  | Critical & non critical functions:                | SCADA Functions: The following SCADA functions are envisaged under this specification<br>a. Data Quality<br>b. Data Acquisition from RTUs at S/S, FRTUs at RMUs/ Sectionalizer's.<br>c. Time synchronization of RTUs, FRTUs.  | Please provide location for RTUs at S/S & FRTUs at RMUs/Sectionalizer's   |   |
| 101 | NA   | Consortium and SCADA requirement                  | Not mentioned   | Kindly provide the clarity on how many number of parties are allowed to form a consortium for this project also requesting you to kindly clarify that do we need to provide the SCADA through the consortium parties or a third party SCADA will solve the purpose as the companies doing system integration does not have their own SCADA and the companies manufacturing meters and providing HES alongwith AMI also do not have their own SCADA. If an SI and Meter OEM participate together by default they will need to procure a third party SCADA which they will maintain in the FMS period of 2 years and provide warranty for the same. | 1. Two parties/ members to form a consortium for this project. 2. As per Bid Document.  |
| 102 | 12   | G.5   | The Bidder or a members of consortium bidder should have a supplied minimum cumulative 5 Lacs Energy Meters in last 7 years in India or globally  | "The Bidder or a members of consortium bidder should have a supplied minimum cumulative 5 Lacs Energy Meters or 100% of the tender quantity i.e. 1.6 lacs . Smart Meters as per IS16444 in last 7 years in India or globally."  | As per Bid Document   |

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| 103 | 13 of 87                     | G.6  | The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in- house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three.  | The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day or 75000 per month in- house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three Justification: As there are on average 25 working days, 3000 per day meters means 75000 meters per month.  | As per Bid Document  |
| 104 | 67                           | clause.2                                     | TECHNICAL SPECIFICATION FOR SINGLE PHASE AND THREE PHASE AC WHOLE CURRENT SMART ENERGY METER. In case of GPRS/3G/4G/NbIoT based meter, the meter shall accommodate SIM card of any service provider.   | Kindly clarify which one of the following is desired 1) 3G fall back to 2G 2) 4G fall back to 2G 3) 4G fall back to 3G fall back to 2G 4) NBioT fall back to 2G.   | As per Bid Document  |
| 105 | 69                           |  | Manufacturer Shall undertake a guarantee to replace meter up to a period of 60 months from the date of supply.   | As per the standard practice, Warranty shall be provided instead of Guarantee. Kindly confirm if this is acceptable.   | As per Bid Document  |
| 106 | OTHER SPECIFICATIONS page 67 |  | 5-30 A/ 10-60 A ( as per the requirement of the utility)   | The following ratings can be provided 5-30A, 10-60A for 1Phase meter 10-60A for 3Phase meter. Kindly confirm the ratings for both the types such that best prices can be quoted accordingly  | As per Bid Document.   |
| 107 | Page no. 13                  | 12. Qualifying Requirements, Sub Clause G.6, | The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in-house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three  | We request you to please consider if BIS certification IS:16444 may produce at the time of delivery. We request you to kindly amend the clause as "The Bidder or a member of consortium bidder must be a Manufacturer for smart meters having minimum 3000 per day in-house manufacturing facilities. Bidder has to submit the BIS certification IS:16444 with latest amendments submission for Single Phase & Three at the time of Delivery." | As per Bid Document  |
| 108 | 7                            | 08:04:01                                     | Installation Smart Energy meters, communication Network design, deployment of SCADA, DMS, HES, MDM, Billing and Go-Live. The successful bidder shall Supply, Install, Design Engineer the Smart Grid including SCADA, DMS & Advanced Metering Infrastructure along with cloud server to manage 3,62,000 Consumers within 12 months from the "Implementation Period". | Considering the Software development scope , What is the period for understanding the detailed software requirements and preparation of SRS and other documents for signoff?   | As per Bid Document & Clause 8.2 & 8.3.  |
| 109 | 8                            | 08:03:06                                     | The successful bidder shall also upgrade the existing static energy meter in the project area.   | Need more information about the requirements under upgradation   | As per Bid Document at Clause 2 of Technical Specifications for AMI System Implementation. |