

REPLY TO PRE-BID QUERIES FOR TENDER NO- MSEDCL/CE/RE/AMR/T-01/2023-24 DATED 26.09.2023

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|---------|---|-----------------------------------|---|--|---|
| 1. | Volume-I Section-I Instructions to Bidder | b. Scope of Project | The details of the Interface Energy Meters (IEM) required and number of substations considered in the existing MSEDCL network is enclosed in Annexure – A. This scheme is prepared for supply of 36 IEM meters spread over @ 32 substations, other accessories required for AMR and services for data transmission to MDAS and MDAS system at SLDC and CT and PT with required accessories will be provided. The number of IEM/ABT meters and other material may vary as per the existing infrastructure and the requirement of SLDC. | As specified in bid document that Kalkitech Make DCU to be used. We understand that same is already integrated as per MSEDCL & MSETCL requirement and bidders by using Kalkitech DCU will not have to put any additional efforts for integration at SLDC end. Request you to confirm. | The understanding is correct. |
| 2. | Volume-I Section –II GTC for AMR | 26.2 General terms and Conditions | PAYMENT SCHEDULE: a) For Supply of materials/ equipment (ii) Site Survey charges shall be payable within 45 days from the date of completion of site survey. | Since the rates are to be quoted for Survey, we request you to kindly add Site survey charges per s/s in BOQ/Price Schedule. | The bidders request is not accepted. The clause 26.2 a) ii) stands deleted. |

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| 3. | Volume-I Section-I Instructions to Bidder | BOQ | Services (B) Drawing & Design | We request you to clarify the requirement & elaborate the terms “Drawing & Design” . | Bidder shall submit the drawing & design (Single line diagram/layout diagram) of connection between IEM, DCU & Ethernet Switch with distance. |
| 4. | Volume-I Section –II GTC for AMR | 26.1 General terms and Conditions | LIQUIDATED DAMAGES b. The liquidated damages shall be levied at 1/2% (half percent) of the total contract price per week of delay subject to maximum of 10% (ten percent) of the contract price for the entire scope of work. In case of such maximum delay, the contract may be terminated by the Owner and the balance work shall be completed by the Owner at the risk and cost of the Contractor. | Liquidated Damages shall be applicable on delayed portion only and not on total contract price as some delays may be due to various reasons in the field and not attributable to the bidder. Please amend the clause as per below: - “The liquidated damages shall be levied at 1/2% (half percent) per week or part thereof of delay portion subject to maximum of 5% (five percent) of delayed portion.” | The bidder’s request is not accepted. The bidder shall adhere to tender document condition. |
| 5. | Volume-II Section –I Technical Specification and Scope of Work | 1.2 Basic Features of Interface Energy Meters | Each meter shall have a unique identification code, which shall be marked permanently on its front, as well as in its memory. All meters supplied to as per this specification shall have their identification code starting with “MSEDCL”, which shall not be used for any other supplies. “MSEDCL” shall be followed by an eight digit running serial number. CT ratio of 1A or 5A shall be user configurable or | Since, the offered meter is field configurable for 1A and 5A. We are already supplying IEM with “MAB” series to MSETCL procured against Turnkey contracts. | The bidder’s request is not accepted. The bidder shall adhere to tender document condition. |

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| | | 4.1.1 Display | <p>shall be of single rating.</p> <p>Meter serial no. and model: IEM12345678A or IEM12345678B</p> | | | | | | | | |
| 6. | Volume-II Section –I Technical Specification and Scope of Work | 1. PENALTY DURING WARRANTY | <p>10.4 Meters which are found defective/inoperative at the time of installation or become inoperative/ defective within the warranty period, these defective/inoperative meters shall be replaced within 48 hrs. of receipt of report for such defective/inoperative meters</p> <p>Penalty During Warranty: In case of failure of replacement / rectification of defective in-operative meters the penalty will be charged as below. Penalty will be limited to cost of meter ordered in the P.O.</p> <table border="1" data-bbox="783 1133 1178 1466"> <thead> <tr> <th data-bbox="783 1133 846 1328">Sr. No</th> <th data-bbox="846 1133 1010 1328">Name of Equipment</th> <th data-bbox="1010 1133 1178 1328">Penalty in Rs. per day per equipment</th> </tr> </thead> <tbody> <tr> <td data-bbox="783 1328 846 1466">1.</td> <td data-bbox="846 1328 1010 1466">Interface Energy Meter</td> <td data-bbox="1010 1328 1178 1466">500</td> </tr> </tbody> </table> | Sr. No | Name of Equipment | Penalty in Rs. per day per equipment | 1. | Interface Energy Meter | 500 | <p>Time duration should be increased from 48 hrs to at least 30-40 days considering remote site locations to repair/ replacement & also penalty should be relaxed.</p> <p>Many of these locations may have courier service challenges.</p> <p>Also penalty charges 500/100 Rs. Per day is on very higher side, it shall be 0.25% per week of unit rate of faulty meter and subject to maximum 10% of unit rate of faulty material.</p> <p>Hence request you to please accept and amend the clause accordingly.</p> <p><u>Branch to note: - Above Penalty clause as well as timeline to repair/replaced the faulty meter is not acceptable.</u></p> | The bidder’s request is not accepted. The bidder shall adhere to tender document condition. |
| Sr. No | Name of Equipment | Penalty in Rs. per day per equipment | | | | | | | | | |
| 1. | Interface Energy Meter | 500 | | | | | | | | | |

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| 3. | Communication Cable | 100 | | | | | | | | | | | | |
| 4. | Network Switch at substation | 100 | | | | | | | | | | | | |
| | | | <p>Note: The penalty will be charged from the day 05 from the date of reporting to bidder.</p> <p>The bidder should submit quarterly of non-availability of data at CDCS faulty/failed/non-functional equipment (software and hardware). The report should be equipment-wise/location-wise and with duration in days for which data was not available. Based on quarterly equipment failure report,</p> <p>At the time of refund of performance bank guarantee, the penalty amount (accumulated in seven years) will be deducted from Performance Bank Guarantee and balance will be returned to bidder.</p> | | | | | | | | | | | |

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| 7. | Volume-II Section –I Technical Specification and Scope of Work | 1. PENALTY DURING WARRANTY | <p>Penalty During Warranty: In case of failure of replacement / rectification of defective in-operative meters the penalty will be charged as below. Penalty will be limited to cost of meter ordered in the P.O.</p> <table border="1" data-bbox="783 605 1178 1235"> <thead> <tr> <th data-bbox="783 605 846 805">Sr. No</th> <th data-bbox="846 605 1010 805">Name of Equipment</th> <th data-bbox="1010 605 1178 805">Penalty in Rs. per day per equipment</th> </tr> </thead> <tbody> <tr> <td data-bbox="783 805 846 938">1.</td> <td data-bbox="846 805 1010 938">Interface Energy Meter</td> <td data-bbox="1010 805 1178 938">500</td> </tr> <tr> <td data-bbox="783 938 846 1003">2.</td> <td data-bbox="846 938 1010 1003">DCU</td> <td data-bbox="1010 938 1178 1003">500</td> </tr> <tr> <td data-bbox="783 1003 846 1101">3.</td> <td data-bbox="846 1003 1010 1101">Communication Cable</td> <td data-bbox="1010 1003 1178 1101">100</td> </tr> <tr> <td data-bbox="783 1101 846 1235">4.</td> <td data-bbox="846 1101 1010 1235">Network Switch at substation</td> <td data-bbox="1010 1101 1178 1235">100</td> </tr> </tbody> </table> <p>Note: The penalty will be charged from the day 05 from the date of reporting to bidder.</p> <p>The bidder should submit quarterly of non-availability of data at CDCS faulty/failed/non-functional</p> | Sr. No | Name of Equipment | Penalty in Rs. per day per equipment | 1. | Interface Energy Meter | 500 | 2. | DCU | 500 | 3. | Communication Cable | 100 | 4. | Network Switch at substation | 100 | <p>The scope of tender is supply & installation of DCU & its accessories along with 7 years' warranty period. The bidder will be penalized if not repair/replace the equipment with required time frame. Penalty will be calculated on quarterly basis which will be deducted from PBG amount after completion of warranty period. It should not be on non-availability of data at CDCS.</p> <p>Since, Make of DCU and Network Switch has been specified by MSEDCL and the scope requires contractual obligation for 7 years of warranty period our submission on the above is as under:</p> <p>In case of closure/takeover of M/s. Kalkitech during the contractual period it will be difficult to meet the obligatory requirement. Hence, DCU may be excluded from the subject clause.</p> | <p>The bidder should quote the rate by considering the clause 56, Guaranty And Warrantee.</p> <p>Non-availability of data due to equipment failure will lead to penalty to the bidder.</p> <p>Non-availability of data due to network issues will not lead to any penalty on the bidder.</p> |
| Sr. No | Name of Equipment | Penalty in Rs. per day per equipment | | | | | | | | | | | | | | | | | | |
| 1. | Interface Energy Meter | 500 | | | | | | | | | | | | | | | | | | |
| 2. | DCU | 500 | | | | | | | | | | | | | | | | | | |
| 3. | Communication Cable | 100 | | | | | | | | | | | | | | | | | | |
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| | | | <p>equipment (software and hardware). The report should be equipment-wise/location-wise and with duration in days for which data was not available. Based on quarterly equipment failure report,</p> <p>At the time of refund of performance bank guarantee, the penalty amount (accumulated in seven years) will be deducted from Performance Bank Guarantee and balance will be returned to the bidder.</p> | | |
| 8. | Volume-II Section –I Technical Specification and Scope of Work | Chapter – II: (DCU), Communication & (AMR) system 1. Intent of AMR | <p>INTENT TO AMR:</p> <p>The data shall be stored in ORACLE Enterprise Edition database latest available version with RAC and with HA (High availability provided by remote mirroring of database storage) database at SLDC.</p> | <p>We understand that same is not in scope of bidder.</p> <p>Please clarify.</p> | <p>The understanding is correct. The clause stands revised as follows-</p> <p>The meter shall be compatible for storage of data in existing ORACLE Enterprise Edition database latest available version with RAC and with HA (High availability provided by remote mirroring of database storage) database at SLDC.</p> |

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| 9. | Volume-II Section –I Technical Specification and Scope of Work | 5.4 Communication System | Communication system to use for transfer of DATA from DCU to CDCS may be optic fibre /VSAT/GSM/3G/4G. | <p>In the current scenario Static IP SIM cards is being provided by MSETCL for communication with their SLDC server. As tender scope specifies using the same architecture we request you to arrange SIM cards from the same Static IP Pool.</p> <p>Since the payment for entire project scope is linked to data delivery at SLDC and SIM card is in scope of MSEDCL, it may please be clarified that in case of low or no network available at a particular location, what will be the mechanism for certification.</p> | <p>MSEDCL will provide Sim cards.</p> <p>In case of link failure the bidder has to demonstrate all the data availability at the output port of DCU in presence of MSEDCL’s representative.</p> |
| 10. | Volume-II Section –I Technical Specification and Scope of Work | 6.1.1 Providing energy data to local computer/ Laptop | DCUs shall provide a communication with local personal computer/ laptop. DCU shall provide meter status, alarm etc. and energy data to local personal computer, if required | <p>We will procure Kalkitech DCU as per tender requirement.</p> <p>Hope, same is compatible for local monitoring.</p> <p>We understand that local communication is not in scope of bidder.</p> <p>Please clarify.</p> | The understanding is correct. |

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| 11. | Volume-II Section –I Technical Specification and Scope of Work | 8.System Availability Requirements | System Availability AMR system (Data collection and storage in database): - 1. Hardware and software: - 98% (system availability) 2. MDAS & Meter Data Processing:- 98% (system availability) | Since, the bidder scope is limited to supply & installation of DCU & its accessories only. We understand system availability of 98% is not covered/not in scope of bidder and hence may please be deleted. | The clause stands deleted. |
| 12. | Volume-II Section –I Technical Specification and Scope of Work | Chapter – III: General software and hardware requirements 4. Source Code | Source Code: After completion of the project, Table structures, data structure and functional modules (with proper detail documentation) with ER diagram/Table description shall be handed over to MSEDCL and SLDC. | Since the software is already available at SLDC end and scope is limited to hardware only. The subject clause is not applicable and may please be deleted. | The clause stands deleted. |
| 13. | Volume-II Section –I Technical Specification and Scope of Work | Chapter – VI: Clause no. 3 | Remote Support and Maintenance No remote login shall be permitted. | We understand that same is not in the scope of bidder. | The clause stands deleted. |
| 14. | Volume-II Section –I Technical Specification and Scope of Work | Chapter – VI: Clause no. 9.4 | Response and Resolution Time | Since the software is already available at SLDC end and scope is limited to hardware only. The subject clause is not applicable and may please be deleted. | The clause stands deleted. |

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| 15. | Volume-II Section –I Technical Specification and Scope of Work | Chapter – VI: Clause no. 8 Clause no. 9.3 Clause no. 9.4 Clause no. 9.5 Clause no. 9.6 | System Availability Problem/Defect Reporting Response and Resolution Time Availability Calculation Availability computation for AMR/MDP system | Since the software is already available at SLDC end and scope is limited to hardware only. The subject clause is not applicable and may please be deleted. | The clause stands deleted. |
| 16. | Volume-II Section –I Technical Specification and Scope of Work | Chapter – VI: Point 8. System Availability Scope of warranty Clause no. 9.6 Availability computation for AMR/MDP System | System Availability and recovery of charges 1. AMR system (Data collection and storage in database) – 98% 2. MDAS & Meter Data processing – 98% Availability computation for AMR/MDP System: Availability shall be computed on | Since the software is already available at SLDC end and scope is limited to hardware only. The subject clause is not applicable and may please be deleted. | The clause stands deleted. |

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| | | | <p>weekly basis. The formula to be used for availability computation would be as under:</p> $\text{Availability per week} = \frac{\{\text{THQ} - (\text{S4} + \text{S3} + \text{S2} + \text{S1})\}}{\text{THQ}} \times 100\%$ <p>Where THQ is total hours in the week</p> <p>S1 is the total non-available hours in Severity Level-1 in the week.</p> <p>S2 is the total non-available hours in Severity Level-2 in the week.</p> <p>S3 is the total non-available hours in Severity Level -3 in the week.</p> <p>S4 is the total non-available hours in Severity Level -4 in the week.</p> <p>The target availability would be 98 % or better. The monthly availability will be calculated as average of weekly availabilities of that month.</p> | | |
| 17. | Volume-II Section –II Special Conditions and Annexure | Special condition to Bid point no. 4 | Time period for completion of project is three (3) months from date of LOA. | Looking at the scope of tender, supply of material & installation has diverse locations. Hence please amend the clause | The bidder's request is not accepted. The bidder shall adhere to tender document |

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| | | | | <p>as:</p> <p>Delivery: Delivery of material shall commence after two months of the date of LOA & shall complete within 3 months from the date of LOA.</p> <p>Installation: The material shall be installed within 3 months thereafter. MSEDCL shall ensure shutdown at site during installation. In case of non-availability of shutdown at site the delay will be in account of MSEDCL.</p> <p>We request you to please amend the clause.</p> | condition. |
| 18. | Volume-II Section –I Technical Specification and Scope of Work | 10. Warranty Part-B-AMR | <p>Part-B (AMR/MDP)</p> <p>10.7 The AMR system and MDP software shall be under warranty for a period of 7 years from the date of handing over of project. A bidder has to give support for Ten (10) years.</p> | <p>Since the software is already available at SLDC end and scope is limited to hardware only. The subject clause is not applicable and may please be deleted.</p> | The clause stands deleted. |