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MMC/T-NSC-03/0219/7479

Date: 15.03.2019

CLARIFICATION TO QUERIES - [PART- II]

Sub: Tender for Supply, installation and FMS activity for LT AC Single Phase 10-60A Smart (Postpaid/Prepaid) Static Energy Meter with enclosure against tender no. MMC/T-NSC-03/0219.

----- Clarification regarding queries received thereof.

A) HPL Power & Electric Limited:

I] Commercial Queries:

| Sr. No. | Particulars (Clauses of RFP/Technical Specification) | Query received | MSEDCL Remark |
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| 1 | QUALIFYING REQUIREMENT Cl. No. 2.4 (II) Bidder must meet the qualifying requirements of both meter manufacturer & system integrator (AMI solution provider) individually and in case of consortium collectively by the members of consortium, except where Specifically mentioned. | Sir, we request you to kindly remove the System Integrator (AMI Solution provider) QR clause no. 2.4 (B) in case if Meter Manufacturer is individually participating in this Tender. We would request you to kindly include the below line in QR: The Meter Manufacturer should have executed / under execution of Supply & Installation of Remote Meter Reading Project in MSEDCL. | Not Acceptable. |

II] Technical Queries:

| Sr. No. | Particulars (Clauses of RFP/Technical Specification) | Query received | MSEDCL Remark |
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| 1. | Communication Module: Clause No. 4.05(Pg. No. 85 of 141) The meter shall be provided with in-built communication module(6LoWPAN LPRF or GSM/GPRS or NB-IOT or LoRa or PLC)capable of establishing wireless communication with external entities such as Prepaid server, Head End System, DCU etc. | We request you to kindly accept the Meters with Plug in type Communication Module also in line with IS:16444 Standards. As per IS: 16444 Standards Meter shall have in-built / Plug-in type Communication Module. | Accepted. Refer modified technical specifications. Clause No. 4.05 is modified as below. "The meter shall be provided with in-built/plug-in type communication module (6LoWPAN LPRF or GSM/GPRS or NB-IOT or LoRa or PLC or any other communication technology proposed by the bidder) capable of establishing wireless communication with external entities such as |

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| | | | Prepaid server, Head End System, DCU etc". |
| 2. | <p>Communication module: Clause No. 4.05(Pg. No. 85 of 141)</p> <p>A push button shall be provided for scrolling the parameters in Alternate Display (On Demand) mode as well as for crediting emergency credit units in the meter as brought out elsewhere in the specification.</p> | <p>We request you kindly remove the requirement of Crediting emergency Credit Units in the Meter.</p> <p>As per IS 15959(Part-2) the OBIS code for emergency credit information is not available from HES. Hence same shall not be transferred from HES to Meter.</p> | <p>Accepted.</p> <p>Refer modified technical specifications.</p> <p>Clause No. 6.14 is modified as below.</p> <p>"A push button shall be provided for scrolling the parameters in Alternate Display (On Demand) mode."</p> |
| 3. | <p>COMMUNICATIONCAPABILITY Cl. No. 6.35(Pg. No. 85 of 141)</p> <p>The communication capability of the meter shall be based on in built communication module (6LoWPAN LPRF or GSM/GPRS or NB-IOT or LoRa or PLC) and hardware port compatible with RS 232 specifications (4 pin RJ - 11).</p> | <p>The RS-232 Communication Port shall be available only for configuration of communication module and not for DLMS communication. So, we request you kindly accept the same.</p> <p>As per IS 16444(Part-1) Standards only Optical Port & In-Built Plug-in module Communication Ports are required for DLMS communication.</p> | <p>Accepted.</p> <p>Refer modified technical specifications.</p> <p>Clause No. 6.35 is modified as below.</p> <p>"The communication capability of the meter shall be based on in built communication module (6LoWPAN LPRF or GSM/GPRS or NB-IOT or LoRa or PLC or any other communication technology proposed by the bidder) and an optical port complying with hardware specifications detailed in IEC - 62056 - 21."</p> |
| 4. | <p>COMMUNICATIONMODULE: Cl. No. 6.35.1 (3)(Pg. No. 85 of 141): Communication module should push continuously instantaneous parameters (as per clause No. 15.03) to prepaid engine running on prepaid server located at MSEDCL data center.</p> | <p>We request you to kindly amend the clause number mentioned here as '17.03'.</p> <p>It seems there is typographical error in mentioning clause no. as '15.03'</p> | <p>No modifications required *</p> |
| 5. | <p>COMMUNICATIONMODULE: Cl. No. 6.35.2(Pg. No. 86 of 141): The choice of communication module and technology should be based on technical feasibility best suited for given geographical area.</p> | <p>We understand that these Meters are for 10 different Towns in MSEDCL and Bidder has option to choose. The different Communication Solution depending on feasibility. We request you to kindly confirm.</p> | <p>No modifications required.</p> <p>Clarification: Bidders have to come up with their own solution by selecting different communication technologies given in technical specifications.</p> |
| 6. | <p>GPRS COMMUNICATION MODULE Cl. No. 6.35.9 (i)(Pg. No. 86 of 141)</p> <p>The meter should have</p> | <p>We request you to kindly accept Tender Sample Meters with 2G</p> | <p>No modification required.</p> |

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| | 4Gcommunicationmodule. The 4Gmodule should have facility to fall back to 2G and 3G networks, where4G network is not available. | Communication Module. However, 4G functionality shall be provided in before the commencement of supply in the event of order placed on us. | |
| 7. | GPRS COMMUNICATION MODULE Cl. No. 6.35.9 (ii)(Pg. No. 86 of 141) The module should support both Data and SMS transmission. It should have GSM,GPRS/EDGE and 4G LTE features. | We request you to kindly Remove the GSM requirement from the technical specifications. Since GSM is obsolete technology, GSM CSD services is not be available in4G Module. However, it shall be available in 2Gmodules. | No modifications required Clarification: GSM CSD service is not mentioned in the technical specifications. |
| 8. | MODULE Cl. No. 6.35.9 (iii): (Pg. No. 86 of 141): There should be provision to insert SIM card externally. The SIM slot should have adequate sealing arrangements. | Meter shall be provided with Plug-in Type GPRS Communication Module which shall have separate Sealing arrangement in line with IS16444 Standards. We request you to kindly accept the same. | Accepted. |
| 9. | GPRS COMMUNICATION MODULE Cl. No. 6.35.9 (v) (a)(Pg. No. 87 of 141)The module should be capable of establishing wireless communication with external entities such as Server, Head End System, DCU etc. | We request you to kindly delete the DCU from thisclause.DCU is not required in case of GPRS /4G Communication Module where Meter can directly communicate with the Server. | Refer modified technical specifications. Clause No. 6.35.9 (v) (a) is modified as below. "The module should be capable of establishing wireless communication with external entities such as Server, Head End System etc. The communication should be bi-directional i.e. from meter to external entity and from external entity to meter." |
| 10. | GPRS COMMUNICATION MODULE Cl. No. 6.35.9 (iii) (g): (Pg. No. 87 of 141): The module should auto-configure itself, after insertion of SIM card. | We request you to kindly remove the requirement of auto-configuration from specs. This is because VPN SIMs have specific APN name& it cannot be detected automatically. | No modifications required Clarification: APN details will be provided to successful bidder. |
| 11. | INTRODUCTION Cl. No. 1.2(Pg. No. 2 of 141) Objective: The main objective is to provide supply and installation of 10-60 A Smart Meters with communication module (GSM/GPRS/3G/4G/PLC/NB- | Kindly clarify whether only integration is to be done with existing MSEDCL MDAS System/Data Centre? Or Supply of Server/PC and Backhaul connective | No modification required. Clarification: Refer clause No. 12.01 of technical specifications. |

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| | IOT/6LoWPANLPRF/LoRa) and FMS activity viz. Establishment and maintenance of communication between meter and server, Application Server, Communication (Data +SMS), pre-paid metering solutions & Training etc. | is also in Bid scope? In case if Server is to be established? alternatively can Bidder opt for Cloud Services? Kindly specify the complete IT Hardware Configuration. Whether MSEDCL shall provide required Office Space, Infrastructure, Power Supply and A C etc for establishment of Data Centre and Data Recovery? | |
| 12. | SCOPE OF WORK : Cl. No. 2.1.1 (iv) (e)(Pg. No. 4 of 141) Communication connectivity scope: Supports report server integration | We request you to kindly elaborate the requirement | No modifications required. Clarification: Features of MSEDCL MDA system are given under clause No. 2.1.1 (vi) (e). |
| 13. | SCOPE OF WORK: Cl. No. 2.1.1 (iv) (f) : (Pg. No. 4 of 141) Communication connectivity scope: The system is scalable and integration with other applications of MSEDCL. | Please specify the System approximate Scalability requirement in terms of Meter numbers. This will help us in assessing Server sizing and IT requirement | No modifications required. Clarification: Features of MSEDCL MDA system are given under clause No. 2.1.1 (vi) (e). |
| 14. | SCOPE OF WORK Cl. No. 2.1.1 (iv)(Pg. No. 3 of 141) :Communication connectivity scope: In such cases the bidder should read the meter data through optical port and the downloaded data should be uploaded to prepaid application. <u>No payment shall be made by MSEDCL for meters downloaded through optical port. Any failure to meet this requirement shall attract penalty as per SLA with bidder for maintenance & support during warranty and FMS periods.</u> SCOPE OF WORK: Cl. No. 2.1.4 (Pg. No. 5 of 141) <u>Separate charges will be paid for the reading received through HHT/Mobile Application. SLA is applicable to bidder for downloading smart Meters. (SLA is attached in Annexure-VIII). Penalty is applicable as per SLA for readings not downloaded through AMR</u> | These 2 clauses are contradictory in terms of payment against Manual reading through Mobile HHU. We request you kindly also accept Manual Meter Reading using Mobile HHU with inbuilt GPRS communication for SLA and FMS Reading Payment as Data will be directly uploaded on to MSEDCL System in line with your specifications clause 2.1.4 (Page No. 5 of 141) | Clause No. 2.1.4 is modified as below. "No charges will be paid for the reading received through HHT/Mobile Application" |

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| 15. | <p>SCOPE OF WORK : Cl. No. 2.2 (vi): (Pg. No. 7 of 141) Project Deliverables: Web based data collection software should be handed over to MSEDCL along with source code with documentation.</p> <p>TECHNICAL SPECIFICATION Cl. No. 12.07(Pg. No. 97 of 141) The bidder shall hand over the source code of web based prepaid application to MSEDCL along with necessary credentials, documentation and training.</p> <p>TECHNICAL SPECIFICATION Cl. No. 13.06(Pg. No. 97 of 141) The bidder shall hand over the source code of prepaid engine to MSEDCL along with necessary credentials, documentation and training.</p> | Kindly elaborate the requirement / necessity of source code. However, suitable API's & related services can be facilitated. We request you to kindly accept the same. | No modifications required. |
| 16. | <p>SCOPE OF WORK: Cl. No. 2.1.4 (Pg. No. 4 of 141) Meter Data Downloading: <u>Daily at every 15 minutes interval and also on demand</u></p> <p>SCOPE OF WORK Cl. No. 2.1.6 (Pg. No. 6 of 141) Web based data collection software: Reading program for every PC will be declared by the concerned sub-division office in the beginning of each month. <u>Daily meter data should be made available in data collection software.</u></p> <p>ANNEXURE - III, SERVICE LEVEL AGREEMENT FOR SMAR PREPAID / POSTPAID METERS (Page No. 126 of 141) Sum of intervals for which billing data is downloaded through communication module in a month.</p> | We would request you to revise the Technical Specification in line with that of SLA requirements for one reading in a day as mentioned your specifications (i) Clause No. 2.1.6 (Page No. 6 of 141) and (ii) ANNEXURE - III, SERVICE LEVEL AGREEMENT FOR SMAR PREPAID / POSTPAID METERS (Page No. 126 of 141). | No modifications required. |
| 17. | <p>SCOPE OF WORK: Cl. No. 2.1.6 (Pg. No. 5 of 141) : Web based data collection software: Web based <u>access to Data collection software should be given to all the concerned MSEDCL staff.</u></p> <p>SCOPE OF WORK :Cl. No. 2.1.6: (Pg. No. 5 of 141): Web based data</p> | <p>These 2 clauses are contradictory in terms of Data Users accessibility. We request let MSEDCL Officers (Users) to access Meter Data from single source i.e. through MSEDCL MDAS only</p> <p>Kindly clarify and</p> | No modifications required. |

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| | collection software: Bidder may provide data collection software which will be integrated with MSEDCL MDAS and such integration should be done by bidder, before first reading received through AMR. <u>MSEDCL users will access MSEDCL MDAS.</u> SCOPE OF WORK Cl. No. 2.1.6 : (Pg. No. 5 of 141): Access levels should be defined. <u>Access should be given to field officers sub-division, division & corporate office.</u> | confirm your acceptance. This will avoid confusion in difference in Data availability. | |
| 18. | SCOPE OF WORK: Cl. No. 2.1.7: (Pg. No. 6 of 141): The agency shall integrate Data collection software with MSEDCL MDAS, <u>within one month</u> , after award of contract. | Sir, practically 1 month time for integration is too short. We request you to kindly consider at least 3 to 4 months time for integration with MSEDCL MDAS. | No modifications required. |
| 19. | Annexure VIII : SERVICE LEVEL AGREEMENT (Pg. No. 64 of 141) 1. Purpose of this Agreement The purpose of this SLA is to clearly define the levels of service to be provided by Supplier to Purchaser for the duration of this contract or until this SLA has been amended. The benefits of this SLA are to: ANNEXURE - III SERVICE LEVEL AGREEMENT FOR SMART PREPAID/POSTPAID METERS (Pg. No. 125 of 141): 1. Purpose of this Agreement: The purpose of this SLA is to clearly define the levels of service to be provided by Supplier to Purchaser for the duration of this contract or until this SLA has been amended. | There are 2 separate SLAs given in Tender Document. We request you to kindly clarify which one of SLA to be followed. Please confirm To avoid any confusion at later stage. | Refer modified RFP. SLA given in Annexure-III is deleted. |
| 20. | BILLING AND PAYMENT TERMS Cl. No. (Q) (c) (ii) : (Pg. No. 50 of 141) : Payment for FMS / Reading through AMR: Billing by the agency shall be done, purely on per reading basis only i.e. for no. of Meter readings downloaded through AMR within reading program declared by the concerned sub-division. <u>No separate charges will be paid for the readings submitted through HHT.</u> | We request you to kindly accept the use of Mobile HHT for data transfer to MSEDCL System for Payment and SLA. This is as per <u>as per your clause No. 2.1.4 of Meter Data Downloading of Scope of Work (Pg. No. 5 of 141)</u> i.e. Separate Payment shall be made on the successful data transfer through Mobile HHT also. | No modifications required. |

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| <p>BILLING AND PAYMENT TERMS Cl. No. (Q) (c) (v)(Pg. No. 50 of 141)Payment for FMS / Reading through AMR: The HHT/reading instrument should be arranged by the bidder at their own cost. <u>No charges will be paid for the readings/billing data submitted through HHT.</u></p> <p>BILLING AND PAYMENT TERMS Cl. No. (Q) (c) (vi)(Pg. No. 50 of 141)Payment for FMS /Reading through AMR: Penalty is applicable for readings not received through <u>AMR</u> within reading program as per annexure-VIII for SLA.</p> | <p>Every efforts shall be made to collect Meter data online. However in some cases like network congestion/ Network down etc. which are beyond our control</p> | |
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B) Genus Power Infrastructures Limited:

| Sr. No. | Particulars (Clauses of RFP/Technical Specification) | Query received | MSEDCL Remark |
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| 1. | Clause No. 6.35: Communication Capability: The communication capability of the meter shall be based on in built communication module (6LoWPAN LPRF or GSM/GPRS or NB-IOT or LoRa or PLC) and hardware port compatible with RS 232specifications (4 pin RJ - 11). | Meter will be with inbuilt comm. module & optical port. Additional RS-232 port not applicable for smart meters as per IS16444. If necessary RS-11/RJ-45 Port both should be acceptable. | Accepted. , Refer modified technical specifications. Clause No. 6.35 is modified as below. "The communication capability of the meter shall be based on in built communication module (6LoWPAN LPRF or GSM/GPRS or NB-IOT or LoRa or PLC or any other communication technology proposed by the bidder) and an optical port complying with hardware specifications detailed in IEC - 62056 - 21". |
| 2. | Clause No. 6.35: Communication Capability: The communication capability of the meter shall be based on in built communication module (6LoWPAN LPRF or GSM/GPRS or NB-IOT or LoRa or PLC) and hardware port compatible with RS 232specifications (4 pin RJ - 11). | Whether currently the NB-Iot network is available or not. What would be the case if the meters would be submitted with NB-Iot | No modifications required. Clarification: If the bidder is using NB-IoT module, availability of NB-IoT service should be ensured by the bidder. |

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| 3. | Clause No. 6.35.9: GPRS communication Module: There should be provision to insert SIM card externally. The SIM slot should have adequate sealing arrangements. | There should be provision to insert SIM card externally / internally. Sim slot will be inside terminal cover and sealing will be provided for Terminal cover. Please accept the same. | Accepted. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Clause No. 6.35.15: RS232 Connectivity: Meter should have a hardware port compatible with RS 232 specifications (4 pin RJ - 11) which shall be used for local data downloading. Sealing arrangement for RS 232 port as required shall be provided. This port shall support the default and minimum baud rate of 9600bps. Necessary chord for RS232 port of minimum length of 1 Meter shall be provided free of cost. The meter side pin configuration of 4 pin RJ-11 port should be as follows: <table><tr><td>PinNo</td><td>Signal</td></tr><tr><td>1</td><td>RTS (Ready To Send)</td></tr><tr><td>2</td><td>Ground (GND)</td></tr><tr><td>3</td><td>Transmit Data (Tx)</td></tr><tr><td>4</td><td>Receive Data (Rx)</td></tr></table> | PinNo | Signal | 1 | RTS (Ready To Send) | 2 | Ground (GND) | 3 | Transmit Data (Tx) | 4 | Receive Data (Rx) | Meter will be with inbuilt comm module & optical port. Additional RS-232 port not applicable for smart meters as per IS16444. if necessary RS-11/RJ-45 Port both should be acceptable. | Accepted. Clause No. 6.35.15 is deleted. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PinNo | Signal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | RTS (Ready To Send) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Ground (GND) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Transmit Data (Tx) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Receive Data (Rx) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Clause No. 12.05 Web based application: The prepaid application shall create one single file for the uploaded billing data, in ASCII format or XML file as per MIOS for individual meter reading. The billing data format is as follows: i. Reading captured from prepaid meters shall be submitted in one line per meter reading in following format for billing. <table><tr><td>Parameter</td><td>Length</td><td>Position</td><td>Remark</td></tr><tr><td>Record Type</td><td>4 Char</td><td>01-04</td><td>PP01/PP03</td></tr><tr><td>Consumer Number</td><td>12 chars</td><td>05-16</td><td>Left Padded with zeros (0)</td></tr><tr><td>Make Code</td><td>5 chars</td><td>17-21</td><td>Shall be provided to successful bidder by MSEDCL.</td></tr><tr><td>Meter ID(Serial No)</td><td>8 chars</td><td>22-29</td><td>Left Padded with zeros (0)</td></tr><tr><td>Current Reading date</td><td>8 chars</td><td>30-37</td><td>DDMMYYYY format</td></tr><tr><td>Current kWh reading</td><td>8 chars</td><td>38-45</td><td>Left Padded with zeros (0)</td></tr><tr><td>Current KW MD</td><td>4 chars</td><td>46-49</td><td>Left Padded with zeros (0) with decimal part if any</td></tr><tr><td>Current KW MD date</td><td>8 chars</td><td>50-57</td><td>DDMMYYYY format</td></tr><tr><td>Current KW MD time</td><td>4 chars</td><td>58-61</td><td>HHMM format</td></tr></table> | Parameter | Length | Position | Remark | Record Type | 4 Char | 01-04 | PP01/PP03 | Consumer Number | 12 chars | 05-16 | Left Padded with zeros (0) | Make Code | 5 chars | 17-21 | Shall be provided to successful bidder by MSEDCL. | Meter ID(Serial No) | 8 chars | 22-29 | Left Padded with zeros (0) | Current Reading date | 8 chars | 30-37 | DDMMYYYY format | Current kWh reading | 8 chars | 38-45 | Left Padded with zeros (0) | Current KW MD | 4 chars | 46-49 | Left Padded with zeros (0) with decimal part if any | Current KW MD date | 8 chars | 50-57 | DDMMYYYY format | Current KW MD time | 4 chars | 58-61 | HHMM format | Billing format as per specs shall be available on order supply. Please accept the same. | Accepted. |
| Parameter | Length | Position | Remark | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Record Type | 4 Char | 01-04 | PP01/PP03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Consumer Number | 12 chars | 05-16 | Left Padded with zeros (0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Make Code | 5 chars | 17-21 | Shall be provided to successful bidder by MSEDCL. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meter ID(Serial No) | 8 chars | 22-29 | Left Padded with zeros (0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current Reading date | 8 chars | 30-37 | DDMMYYYY format | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current kWh reading | 8 chars | 38-45 | Left Padded with zeros (0) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current KW MD | 4 chars | 46-49 | Left Padded with zeros (0) with decimal part if any | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current KW MD date | 8 chars | 50-57 | DDMMYYYY format | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current KW MD time | 4 chars | 58-61 | HHMM format | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | <p>ii. Last Line in bill string (Meter Reading) file, will be the check sum logic output as follows:</p> <ul style="list-style-type: none"> Character 1 to 4 (4 characters): will be (PPT1/PPT3). (Refer table of record types) Character 5 to 12 (8 characters): Count of Meter Serial Number, left padding by 0. Character 13 to 28 (16 characters): Sum of KWh of all above meters. Total length will be 16, left padding with 0. Character 29 to 36 (8 characters): Sum of KW MD, total length will be 8, left padding with 0. Character 37 to 61 (25 characters): All zeros. <p>iii. Table of Record Type Source Type Record Type Prefix Required</p> <table> <tr> <td>Prepaid</td> <td>Single</td> <td>Phase</td> <td>Data</td> <td>PP01</td> </tr> <tr> <td>Prepaid</td> <td>Single</td> <td>Phase</td> <td>Control Record</td> <td>PPT1</td> </tr> <tr> <td>Prepaid</td> <td>Three</td> <td>Phase</td> <td>Data</td> <td>PP03</td> </tr> <tr> <td>Prepaid</td> <td>Three</td> <td>Phase</td> <td>Control Record</td> <td>PPT3</td> </tr> </table> | Prepaid | Single | Phase | Data | PP01 | Prepaid | Single | Phase | Control Record | PPT1 | Prepaid | Three | Phase | Data | PP03 | Prepaid | Three | Phase | Control Record | PPT3 | | |
| Prepaid | Single | Phase | Data | PP01 | | | | | | | | | | | | | | | | | | | |
| Prepaid | Single | Phase | Control Record | PPT1 | | | | | | | | | | | | | | | | | | | |
| Prepaid | Three | Phase | Data | PP03 | | | | | | | | | | | | | | | | | | | |
| Prepaid | Three | Phase | Control Record | PPT3 | | | | | | | | | | | | | | | | | | | |
| 6. | <p>Clause No. 12: Web based application Page 27: Mobile App: Prepaid application functionality should also be provided through mobile application working on android OS, Windows OS, iOS. Prepaid functionalities such as prepaid recharge, view existing balance, daily usage etc. should be incorporated in Mobile App in line with MSEDCL Consumer mobile application. Consumer should be able to view information related to consumption, recharges done, balance available etc. through mobile application. Also alerts, notifications or messages should be given to consumer through mobile application.</p> | <p>Mobile app with all required features will be supplied with order supply. Please accept the same</p> | Accepted. | | | | | | | | | | | | | | | | | | | | |

The RFP and Technical Specifications are amended accordingly.


 Chief Engineer [MM Cell]