

Ref. No.: CC-CS/TWT/Amend-2 & Clar-2

Date: 02.05.2022

<< TO ALL THE BIDDERS THROUGH PORTAL >>

**Sub: Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

**...Reg. Amendment No. 2 and Clarification No 2 to the Bidding Documents**

Dear Sir(s),

- 1.0 This has reference to the bidding documents for the subject package uploaded on Government e-Marketplace (GeM) Portal [GeM Bid No. GEM/2022/B/2006757 dated 08.03.2022] and subsequently issued Amendment No 1 & Clarification No 1 dated 16.03.2022.
- 2.0 **Amendment No. 2 and Clarification No. 2** to the bidding documents enclosed herewith are uploaded on the GeM Portal. Further, Amendment No. 1 and Clarification No. 1 already issued vide letter dated 16.03.2022 is also attached herewith.
- 3.0 Save and Except for the changes brought-out in the above mentioned amendments, all other terms and conditions of the original bidding documents shall remain unaltered.
- 4.0 An online session for bidders regarding bid submission process on GeM portal is scheduled on 05.05.2022 at 1100 hrs. Interested bidders may join the said session through the following link:

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NDIImZTc2YzEtNDBmNC00MmYwLWE3MTQtYjlkODgxMTkxZDE5%40thread.v2/0?context=%7b%22Tid%22%3a%22e35a43cc-1701-4900-b387-6e7388b1c481%22%2c%22Oid%22%3a%22658803c8-9db3-4a2e-9f0b-b9b3dcfe339f%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDIImZTc2YzEtNDBmNC00MmYwLWE3MTQtYjlkODgxMTkxZDE5%40thread.v2/0?context=%7b%22Tid%22%3a%22e35a43cc-1701-4900-b387-6e7388b1c481%22%2c%22Oid%22%3a%22658803c8-9db3-4a2e-9f0b-b9b3dcfe339f%22%7d)

Thanking you,

**For and On behalf of**  
**Power Grid Corporation of India Limited**

5/2/2022

**X** Aakash Khandelwal

Aakash Khandelwal  
Manager (CS)  
Signed by: AAKASH KHANDELWAL

**Encl: As above**

**Amendment No.-2 (Commercial Portion) dated 02.05.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

Sl. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
1.	ITB Clause 2.3, Section-II, Vol.-I of the Bidding Documents	The Bidder, directly or indirectly shall not be a dependent agency of the Employer.	<b>Stands Deleted</b>
2.	ITB/BDS Clause 31.1, Section-III, Vol.-I of the Bidding Documents	<p><b>Replacing ITB clause 31.1 with the following:</b></p> <p>.....</p> <p>Total Quantity of 1 Crore Smart Meters alongwith associated Supply/Services shall be divided in four Lots (i.e. Lot-1, Lot-2, Lot-3 &amp; Lot-4), with each Lot comprising of 25 lakhs Smart Meters alongwith associated Supply/Services. Corresponding to each Lot, a bidder shall be pre-selected and considered for award of Smart Meter quantity upto 25 lakhs alongwith associated Supply/Services.</p> <p>The Employer will pre-select and sign Memorandum of Understanding (MoU) with four successful bidders. The initial validity of the MoU shall be six months from the date of signing of MoU, which shall further be extended with the consent of both POWERGRID and the pre-selected bidder.</p> <p>.....</p> <p>In case POWERGRID signs AMISP Contract(s) with Utility(ies), POWERGRID shall award the Contract(s) on pre-selected bidder(s) based on their ranking i.e. first on M1, then M2 and so on so forth. Employer shall be the sole</p>	<p><b>Replacing ITB clause 31.1 with the following:</b></p> <p>.....</p> <p>Total Quantity of 1 Crore Smart Meters alongwith associated Supply/Services shall be divided in four Lots (i.e. Lot-1, Lot-2, Lot-3 &amp; Lot-4), with each Lot comprising of 25 lakhs Smart Meters alongwith associated Supply/Services (<b>hereinafter referred to as 'LOT BOQ'</b>). Corresponding to each Lot, a bidder shall be pre-selected and considered for award of Smart Meter quantity upto 25 lakhs alongwith associated Supply/Services.</p> <p>The Employer will pre-select and sign Memorandum of Understanding (MoU) with four successful bidders. The initial validity of the MoU shall be six months from the date of signing of MoU, which shall further be extended with the consent of both POWERGRID and the pre-selected bidder.</p> <p>.....</p> <p>In case POWERGRID signs AMISP Contract(s) with Utility(ies), POWERGRID shall award the Contract(s) on pre-selected bidder(s) based on their ranking i.e. first on M1, then M2 and so on so forth, as per following:</p>

**Amendment No.-2 (Commercial Portion) dated 02.05.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

Sl. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
		<p>judge in this regard.</p> <p>In case of emergence of requirement in the AMISP Contract for the Utility, wherein more than one pre-selected bidders are required to be deployed, suitable agreement shall be executed among such pre-selected bidders and Employer to facilitate execution of such work inter-alia including execution of conditions of SLA, other techno-commercial conditions. Employer shall be the sole judge in this regard.</p>	<p>i. <b>Employer shall adopt bucket filling approach while finalising the Contractor(s) for a Project i.e. bucket of M1 Bidder shall be filled first (upto 25 lakhs Smart Meters alongwith associated supply/services are per MoU), thereafter bucket of M2 Bidder shall be filled and so on and so forth.</b></p> <p>ii. <b>While filling bucket of a pre-selected bidder, a possibility may arise wherein the balance available Smart Meters in the Lot of the said pre-selected bidder is less than the number of Smart Meters required for the execution of the next AMISP Contract/Project. Under such circumstances, Employer reserves the right to increase the number of Smart Meters alongwith associated supply/services within a Lot upto the limit of +10% (ten percent) i.e. upto 27.5 lakhs Smart Meters alongwith associated supply/services, without any change in the unit prices or other terms and conditions of the Contract.</b></p> <p>iii. <b>The LOT BOQ shall inter-alia consist of 25 Lakhs Smart Meters of different types. At the time of placement of Award(s), based on the Project requirement, Employer reserves the right to change the type of Smart Meter from one category to another available in the LOT BOQ.</b></p>

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SI. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
			<p><b>The Employer shall be the sole judge in this regard and the Employer's interpretation on the aforesaid provisions shall be final and binding.</b></p> <p>In case of emergence of requirement in the AMISP Contract for the Utility, wherein more than one pre-selected bidders are required to be deployed, suitable agreement shall be executed among such pre-selected bidders and Employer to facilitate execution of such work inter-alia including execution of conditions of SLA, other techno-commercial conditions. Employer shall be the sole judge in this regard.</p>
3.	GCC/SCC Clause 33.2.3, Section-V, Vol.-I of the Bidding Documents	<p><b>Supplementing Clause GCC 33.2.3</b></p> <p>Percentage for the Change Proposal under this Clause shall be limited to [ -20%] to <b>[+40%]</b></p>	<p><b>Supplementing Clause GCC 33.2.3</b></p> <p>Percentage for the Change Proposal under this Clause shall be limited to [ -20%] to <b>[+30%]</b></p>
4.	GCC/SCC Clause 36.1.1, Section-V, Vol.-I of the Bidding Documents	<p><b>Supplementing Clause GCC 36.1.1 with the following:</b></p> <p>The reason for Termination under GCC Clause 36.1.1 may also include (but not limited to) the following:</p> <ul style="list-style-type: none"> <li>(a) Termination of AMISP Contract by AMISP for Utility Event of Default;</li> <li>(b) Termination of AMISP Contract by Utility for AMISP Event of Default (<i>which is not attributable to the Contractor</i>)</li> </ul>	<p><b>Stands Deleted</b></p>

**Amendment No.-2 (Commercial Portion) dated 02.05.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

SI. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
5.	Clause 1.1.1(B.1) of Appendix-1 (TERMS AND PROCEDURE S OF PAYMENT), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<p>.....</p> <p>Minimum lot size for making payment application towards Progressive Payment under this clause is <b>1 Lakh</b> nos. of meters.</p> <p>.....</p>	<p>.....</p> <p>Minimum lot size for making payment application towards Progressive Payment under this clause is <b>fifty thousand</b> nos. of meters.</p> <p>.....</p>

**Amendment No.-2 (Technical Portion) dated 02.05.2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Existing Provision	Amended Provision
1.	Volume-II- Technical Specifications, Section-2, Clause 9 (Meter Box Requirement)	<p>All the meters shall be supplied with meter box, specification of the same shall be as under:</p> <p>The meter box shall be intended to house one number smart meter. The meter box shall comply with relevant Indian standard IS: 14772:2000/IS:13410 with latest amendment. The thickness of the box shall be minimum 2.0 mm on all sides. The base and cover of meter box shall be made of hot press moulded, unbreakable, high-grade fire-retardant Engineering Plastic (<b>Acrylonitrile Butadiene Styrene</b>) / Polycarbonate, having good di-electric and mechanical strength. Meter box shall be weather proof, capable to withstand temperature of minimum 85° C. The thickness of the box shall be minimum 2.0 mm on all sides. The overall dimensions of the box shall be such that a minimum 30 mm clearance from left, right and top, 25 mm from front and 10mm from back side &amp; 75 mm from meter terminals and bottom side shall be maintained in between meter and box surface. The box cover shall be fixed with concealed hinge. It would be open by at least 90 degrees. Meter Box shall complied IP – 55 protection class. Handle shall be provided on the box door for ease of door opening. All metallic parts would be well protected against corrosion. The overall dimension of the meter box shall vary according to the size of meters. However, it shall comply with the minimum requirements as described above. A viewing window made up of scratch &amp; break resistant, UV resistant, transparent Polycarbonate material shall be provided on the door for reading the meter without inconvenience. The minimum thickness of the viewing window shall be 2.0 mm (flashing with top). The window shall be securely fixed with meter enclosure from inside. No viewing window is required for transparent polycarbonate meter box.</p>	<p>All the meters shall be supplied with meter box, specification of the same shall be as under:</p> <p>The meter box shall be intended to house one number smart meter. The meter box shall comply with relevant Indian standard IS: 14772:2000/IS:13410 with latest amendment. The thickness of the box shall be minimum 2.0 mm on all sides. The base and cover of meter box shall be made of hot press moulded, unbreakable, high-grade fire-retardant Engineering Plastic / Polycarbonate, having good di-electric and mechanical strength. <b>LTCT Meter Boxes shall be manufactured from Sheet Moulding Compounds (SMC).</b> Meter box shall be weather proof, capable to withstand temperature of minimum 85° C. The thickness of the box shall be minimum 2.0 mm on all sides. The overall dimensions of the box shall be such that a minimum 30 mm clearance from left, right and top, 25 mm from front and 10mm from back side &amp; 75 mm from meter terminals and bottom side shall be maintained in between meter and box surface. The box cover shall be fixed with concealed hinge. It would be open by at least 90 degrees. Meter Box shall comply with IP – 55 protection class. Handle shall be provided on the box door for ease of door opening. All metallic parts would be well protected against corrosion. The overall dimension of the meter box shall vary according to the size of meters. However, it shall comply with the minimum requirements as described above. A viewing window made up of scratch &amp; break resistant, UV resistant, transparent Polycarbonate material shall be provided on the door for reading the meter without inconvenience. The minimum thickness of the viewing window shall be 2.0 mm (flashing with top). The window shall be securely fixed with meter enclosure from inside. No viewing window is required for transparent polycarbonate meter box.</p>

**Amendment No.-2 (Technical Portion) dated 02.05.2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Existing Provision	Amended Provision
2.	Volume II, Technical Specifications, Section 3, Clause 1. General Requirement	<p><b>1. General Requirement</b>            Communication infrastructure solutions shall be based on following communication technologies:            1. RF (License free frequency band)            2. Cellular  <b>Contractor can provide communication module based on single communication technology or hybrid of two as per site conditions.</b> The contractor shall have to meet the data availability criteria as mentioned in other part of technical specification. The communication module to be provided by contractor shall be plug &amp; play type.</p>	<p><b>1. General Requirement</b>            Communication infrastructure solutions shall be based on following communication technologies:            1. RF (License free frequency band)            2. Cellular (<b>4G/NB-IoT</b>)            The contractor shall have to meet the data availability criteria as mentioned in other part of technical specification. The communication module to be provided by contractor shall be of plug &amp; play type.</p>
3.	Volume II, Technical Specifications, Section 3, Clause 1.4 Communication Module	<p><b>1.4 Communication Module</b>            The smart meters shall have plug and play type communication module for two-way communication for any given communication technology with HES/Access Points/DCU.            In case of GPRS meters communication shall happen primarily on 4G; In case of contingency communication module/SIM card shall be able to communicate over <b>2G</b>.</p>	<p><b>1.4 Communication Module</b>            The smart meters shall have plug and play type communication module for two-way communication for any given communication technology with HES/Access Points/DCU.            In case of GPRS meters communication shall happen primarily on 4G <b>or NB-IoT</b>; In case of contingency communication module/SIM card shall be able to communicate over <b>any other frequency band.</b></p>

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S. No.	Clause Ref.	Existing Provision	Amended Provision
4.	Volume II, Technical Specifications, Section 3, Clause 1.7 Communication Module based on 2G/4G	<p><b>1.7 Communication module based on 2G/4G</b>            The contractor can also provide communication module based on 4G communication technologies and shall have capability to fall back <b>on 2G</b> in case of contingency. However, the communication module shall be designed in such way that SIM card from any service provider in India can be used for data communications to HES without any change in hardware/software of communication module. Contractor shall provide one SIM Card for each GPRS based Smart meter and Two SIM Cards for each DCU. For purpose of recurring charges Contractor shall quote a levelized Rate for per month charges of SIM Cards, which shall be applicable for all SIM cards in the system.</p>	<p><b>1.7 Communication module</b>            The contractor can also provide communication module based on 4G / <b>NB-IoT</b> communication technologies and shall have capability to fall back <b>on any other frequency band</b> in case of contingency. However, the communication module shall be designed in such way that SIM card from any service provider in India can be used for data communications to HES without any change in hardware/software of communication module. Contractor shall provide one SIM Card for each GPRS based Smart meter and Two SIM Cards for each DCU. For purpose of recurring charges Contractor shall quote a levelized Rate for per month charges of SIM Cards, which shall be applicable for all SIM cards in the system.</p>
5.	Volume II, Technical Specifications, Section 3, Clause 1.8 Data Concentrator Unit (DCU) based RF Mesh Network	<p><b>1.8 Data Concentrator Unit (DCU) based RF Mesh Network</b>            The Data Concentrator Unit is a gateway for communication of data between the Smart Meters and the HES. The Data Concentrator Unit receives information from the Smart Meter on a scheduled / need basis and passes it on to HES / MDM. The output of DCU/Access point shall integrate with the common head end system provided third party vendor. RF network solution provider has to provide necessary output for integration with HES without any additional cost implications. Data Concentrator Unit (DCU) shall have capability of handling data for at least 500 nos. of Smart Meters.            The DCU provides the central link between Smart Meters and HES, enabling continuous/periodic meter read and control. DCU shall exchange data from Smart Meters on RF communication and with HES on WAN. It shall have provision of dual redundant SIM card capable to communicate over 4G and fall back <b>on 2G</b>.</p>	<p><b>1.8 Data Concentrator Unit (DCU) based RF Mesh Network</b>            The Data Concentrator Unit is a gateway for communication of data between the Smart Meters and the HES. The Data Concentrator Unit receives information from the Smart Meter on a scheduled / need basis and passes it on to HES / MDM. The output of DCU/Access point shall integrate with the common head end system provided third party vendor. RF network solution provider has to provide necessary output for integration with HES without any additional cost implications. Data Concentrator Unit (DCU) shall have capability of handling data for at least 500 nos. of Smart Meters.            The DCU provides the central link between Smart Meters and HES, enabling continuous/periodic meter read and control. DCU shall exchange data from Smart Meters on RF communication and with HES on WAN. It shall have provision of dual redundant SIM card capable to communicate over 4G and fall back <b>on any other frequency band</b>.</p>



**Amendment No.-2 (Technical Portion) dated 02.05.2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Existing Provision	Amended Provision			
6.	Volume –II, Technical specifications, Section -4, Clause 3. A. Specifications for Web Server	<table border="1"> <tr> <td># 8</td> <td>Internal Optical Drive</td> <td>Blue-Ray Drive RW/DVD RW</td> </tr> </table>	# 8	Internal Optical Drive	Blue-Ray Drive RW/DVD RW	DELETED
# 8	Internal Optical Drive	Blue-Ray Drive RW/DVD RW				
7.	Volume –II, Technical specifications, Section -4, Clause 3. B. Workstation Consoles Specifications	<table border="1"> <tr> <td># 7</td> <td>Internal Optical Drive</td> <td>Blue-Ray Drive RW/DVD RW</td> </tr> </table>	# 7	Internal Optical Drive	Blue-Ray Drive RW/DVD RW	DELETED
# 7	Internal Optical Drive	Blue-Ray Drive RW/DVD RW				
8.	Volume II, Technical Specifications, Section 7 – System Software And Cloud Services Requirements, Clause 1.2 d) Portability & Interoperability	Implementation of Advanced Metering Infrastructure applications should support multiple Relational Database Management Systems (RDBMS) including Oracle, Microsoft SQL Server, MySQL	Implementation of Advanced Metering Infrastructure applications should support multiple Relational Database Management Systems (RDBMS) including Oracle, Microsoft SQL Server, MySQL and <b>PostgreSQL</b> .			

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S. No.	Clause Ref.	Existing Provision	Amended Provision
9.	Volume II, Technical Specifications, Section 7, Clause 3.2 MeitY's Guidelines, Clause (e)	(e) ISO 22301 certification- Complying to Business Continuity Management standard requirements.	(e) ISO 22301 certification (Complying to Business Continuity Management Standard Requirements) or <b>have a business continuity plan in place to protect against , reduce the likelihood of occurrence, prepare for, respond to, and recover from disruptive incidents when they arise. Copy of ISO 22301 certification or the plan is to be submitted during detailed engineering.</b>
10.	Volume II, Technical Specifications, Section 7, Clause 3.3.10 (c) Disaster Recovery Management	( c )Provisioned cloud-based DR environment will be a warm DR with regular sync up of data and application artefacts between primary and DR setup	( c )Provisioned cloud-based DR environment shall be a warm DR/ <b>Active-Active DR</b> with regular sync up of data and application artefacts between primary and DR setup
11.	Volume II, Technical Specifications, Section 7, Clause 3.3.10 (g) Disaster Recovery Management	g) There shall be <b>asynchronous replication</b> of data between Primary DC and DR and the CSP/MSP will be responsible for sizing and providing the DC-DR replication link so as to meet the RTO and the RPO requirements	g) Replication of data between Primary DC & DR may be <b>asynchronous or in Active-Active mode</b> and the CSP/MSP will be responsible for sizing and providing the DC-DR replication link so as to meet the RTO and the RPO requirements

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S. No.	Clause Ref.	Existing Provision	Amended Provision
12.	Volume II, Technical Specifications, Section 7, Clause 3.3.10 (h) Disaster Recovery Management	(h) During normal operations, the Primary Data Centre will serve the requests. The Disaster Recovery Site will not be performing any work but will remain on standby. During this period, the compute environment for the application in DR shall be available but with minimum possible compute resources required for a functional DR as per the solution offered by CSP/MSP. DR Database Storage shall be replicated on an ongoing basis and shall be available in full (100% of the DC) as per designed RTO/RPO and replication strategy. The storage should be 100% of the capacity of the Primary Data Centre site	(h) During normal operations, the Primary Data Centre will serve the requests. The Disaster Recovery Site shall be either a warm DR <b>or in Active-Active mode</b> . DR Database Storage shall be replicated on an ongoing basis and shall be available in full (100% of the DC) as per designed RTO/RPO and replication strategy. The storage should be 100% of the capacity of the Primary Data Centre site

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S. No.	Clause Ref.	Existing Provision	Amended Provision
13.	Volume II, Technical Specifications, Section 9, Clause.1.5.5.5 Functional Performance Test	<p><b>1.5.5.5 Functional Performance Test</b>                      The functional performance test shall verify all features specified in respective technical specifications of equipment/ systems along with cloud services &amp; software using selected communication paths. As a minimum, the following items shall be included in the functional performance test:</p> <ul style="list-style-type: none"> <li>a. Inspection of all equipment for conformance to drawings/document and satisfactory construction and appearance.....</li> <li>q. .... Sample check of meter calibration accuracy and testing of spare parts.</li> </ul>	<p><b>1.5.5.5 Functional Performance Test</b>                      The functional performance test shall verify all features specified in respective technical specifications of equipment/ systems along with cloud services &amp; software using selected communication paths. <b>During the Functional Performance tests at least 20 Field Devices for each protocol shall relate to each central system and the remaining Field devices shall be simulated in the factory test environment. The data exchange between central systems shall also be simulated in the factory test environment.</b> As a minimum, the following items shall be included in the functional performance test:</p> <ul style="list-style-type: none"> <li>a. Inspection of all equipment for conformance to drawings/document and satisfactory construction and appearance.....</li> <li>q. .... Sample check of meter calibration accuracy and testing of spare parts.</li> </ul> <p><b>The details of tests and test procedures shall be finalized during detailed Engineering. Contractor shall submit the documents for tests and test procedures for approval of Employer.</b></p>

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S. No.	Clause Ref.	Existing Provision	Amended Provision
14.	Volume II, Technical Specifications, Section 9, Clause.1.5.6 Dispatch of Material to Site	<p><b>1.5.6 Dispatch of Material to Site</b>                      The Material Inspection Clearance Certificate (MICC) for all hardware shall be issued by Employer only after successful completion of FAT as per specification. For this Contractor is obliged to submit a comprehensive FAT clearance report to the Employer. <b>At least 20 Field Devices for each protocol shall relate to each central system and the remaining Field devices shall be simulated in the factory test environment. The data exchange between central systems shall also be simulated in the factory test environment.</b> All Equipment Suppliers/OEMs to the project shall make use of categorised Interim Inspection Reports (CIP Clearance) from Employer to ship materials to site after completion of FAT. CIP shall be issued by the Employer subject to successful FAT report. Categorised Interim Inspection Report with the lowest category would mean a complete failure of FAT and hence rejection of material. A category between the lowest and the highest, shall mean pending actionable points of minor nature, but material deemed fit for dispatch to site. The category of CIP shall be issued by the Employer. In case where CIP with the highest category (with no pending actionable points in FAT), the Employer shall issue a Material Inspection Clearance Certificate (MICC).</p>	<p><b>1.5.6 Dispatch of Material to Site</b>                      The Material Inspection Clearance Certificate (MICC) for all hardware shall be issued by Employer only after successful completion of FAT as per specification. For this Contractor is obliged to submit a comprehensive FAT clearance report to the Employer. All Equipment Suppliers/OEMs to the project shall make use of categorised Interim Inspection Reports (CIP Clearance) from Employer to ship materials to site after completion of FAT. CIP shall be issued by the Employer subject to successful FAT report. Categorised Interim Inspection Report with the lowest category would mean a complete failure of FAT and hence rejection of material. A category between the lowest and the highest, shall mean pending actionable points of minor nature, but material deemed fit for dispatch to site. The category of CIP shall be issued by the Employer. In case where CIP with the highest category (with no pending actionable points in FAT), the Employer shall issue a Material Inspection Clearance Certificate (MICC).</p>
15.	Volume-II, Section 14, TECHNICAL SPECIFICATION OF LT CT Clause 1. Single Phase LT Metering CT	Bidder to quote <b>Weighted average</b> rate for primary current range of LT CT which will be inclusive of installation and F&I charges)	Bidder to quote <b>uniform</b> rate for primary current range of LT CT which will be inclusive of installation and F&I charges

**Amendment No.-2 (Technical Portion) dated 02.05.2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

<b>S. No.</b>	<b>Clause Ref.</b>	<b>Existing Provision</b>	<b>Amended Provision</b>
16.	Volume -II, Section 1, Clause 2.B.(xii)	B. The Scope of work shall also include: xii. Removal of existing energy meters as well as meter box (wherever required) and Handing over of them to utility/DISCOM premises including carriage.	B. The Scope of work shall also include: xii. Removal of existing energy meters as well as meter box (wherever required) and Handing over of them to utility/DISCOM premises <b>with proper documentation</b> including carriage.

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
1.	General	-	As the bid to be submitted using GeM portal, we request PGCIL to arrange a training session for bidders on "Bid Submission Process" using GeM portal.	An online session for bidders regarding bid submission process on GeM portal is scheduled on 05.05.2022 at 1100 hrs. Interested bidders may join the said session through the following link:  <a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDImZTc2YzEtNDBmNC00MmYwLWE3MTQtYjlkODgxMTkxZDE5%40thread.v2/0?context=%7b%22Tid%22%3a%22e35a43cc-1701-4900-b387-6e7388b1c481%22%2c%22Oid%22%3a%22658803c8-9db3-4a2e-9f0b-b9b3dcfe339f%22%7d">https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDImZTc2YzEtNDBmNC00MmYwLWE3MTQtYjlkODgxMTkxZDE5%40thread.v2/0?context=%7b%22Tid%22%3a%22e35a43cc-1701-4900-b387-6e7388b1c481%22%2c%22Oid%22%3a%22658803c8-9db3-4a2e-9f0b-b9b3dcfe339f%22%7d</a>
2.	General	-	Kindly share the presentation used in yesterday pre-bid so that we can go through all the points. And, also share key points.	The information displayed in Presentation during pre-bid meeting is already available in the Bidding Documents. Bidders are requested to go through the provisions of the Bidding Documents.
3.	General	-	Since the bidding is through GeM portal, are the individual components such as HES OEM/Solution Provider, MDM OEM/Solution provider, Communication OEM/Solution Provider etc also required to register	For participating in the Bidding Process for the subject package, the bid can be submitted by an individual firm or a Joint Venture (JV) of two or three firms.  In case bidder intends to participate as

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
			their respective offerings on GeM portal individually? Please clarify	<p>an individual firm, the bidder is required to get registered on GeM Portal, if not already registered. In case Bidder is a JV of two or more firms, the Lead Partner of JV is required to get registered on GeM portal for participating in the Bidding process for the subject package.</p> <p>For further information regarding Bidder's registration on GeM Portal and participation in the Bidding Process for the subject package, bidders may visit GeM website <a href="https://gem.gov.in">https://gem.gov.in</a> and may also contact GeM helpdesk.</p>
4.	IFB Clause 2.2, Section-I, Vol.-I of the Bidding Documents	Total Quantity of 1 Crore Smart Meters shall be divided in four Lots, with each Lot comprising of 25 lakhs Smart Meters alongwith associated Supply/Services. Corresponding to each Lot, a bidder shall be pre-selected and considered for award of Smart Meter quantity upto 25 lakhs alongwith associated Supply/Services, as per the provisions of the Bidding Documents inter-alia at ITB Clause 31.1.	We have been in metering business for last 35 years & have witnessed the journey of Smart Metering Deployment in last 4 years which have neither translated into huge volumes nor been swift & smooth. The prominent reason being award of contracts to bid players for huge quantities & their failure/ slow progress caused years of delay in smart metering mass roll out. We therefore propose for smaller multiple	In this regard, the provisions of the Bidding Documents shall remain unchanged.



**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
			<p>lots (not more than 10 lacs smart meters in each lot). OR</p> <p>1 Cr. Meters may be divided in combination of bid lots as well as small lots (say 2 or 3 bid lots of 20-25 lacs meters each &amp; 2 or 3 small lots of 8-10 lacs meters each). It will enable award of work to multiple (big &amp; small both) AMI Service Providers &amp; faster mass roll out of smart meters.</p>	
5.			<p>We request to amend this clause as eligible bidder can get all 4 lots and shall not be restricted to one. This will bring more competitive price in the benefit of the employer.</p>	<p>In this regard, the provisions of the Bidding Documents shall remain unchanged.</p>
6.			<p>Please clarify on below points:</p> <ul style="list-style-type: none"> <li>• Whether each bidder has to quote/submit bid for entire 1 crore smart meters solution or can quote/submit bid for 25L smart meter solution</li> <li>• Whether each Lot will have definitive 25 L smart meter solution qty to be awarded to</li> </ul>	<p>Bidders are required to quote their prices for all the items provided in the GeM portal which is corresponding to entire 1 crore smart meters.</p> <p>Refer Amendment No 2 in this regard.</p>

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
			<p>successful Bidder</p> <ul style="list-style-type: none"> <li>Whether one Bidder can get order or award for more than 25 L smart meter solution or more than 1 Lot.</li> </ul>	<p>In this regard, the provisions of the Bidding Documents inter-alia at ITB/BDS Clause 31.1 are amply clear.</p>
7.	IFB Clause 2.2, Section-I, Vol.-I of the Bidding Documents	Total Quantity of 1 Crore Smart Meters shall be divided in four Lots, with each Lot comprising of 25 lakhs Smart Meters alongwith associated Supply/Services. Corresponding to each Lot, a bidder shall be pre-selected and considered for award of Smart Meter quantity upto 25 lakhs alongwith associated Supply/Services, as per the provisions of the Bidding Documents inter-alia at ITB Clause 31.1.	We would like to bring to your kind attention that the practical on ground situation, regarding deliverables of Smart meter supplies. At present, The Indian Electronic Industry is facing one of the biggest challenges for the shortage of raw material, such as Microcontroller, memory chip, Transistor/ MOSFETS, Relays etc. that are used in manufacturing of Smart Meters. The ongoing pandemic has further distress the supplies, as a consequence of this, the production of Smart meter has been badly affected, and therefore, it is requested that 1 Cr Quantity mentioned in the Tender may be splitted in multiple lots of 10 Lac for each work, this will not only benefit the Smart Meter manufacturers for the timely supply but will also help AMISP to achieve optimal execution	In this regard, the provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
			of Projects.	
8.	IFB Clause 8.1, Section-IV, Vol.-I of the Bidding Documents	..... Bid Security for the subject package - <b>Rs. 5,00,00,000/-</b> . .....	As per the recent Notification No. F.9/4/2020-PPD from the Ministry of Finance, we request you to kindly accept EMD declaration instead of Bank Guarantee. We would like to inform you that recent tenders are issued with this EMD exemption clause.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
9.	IFB Clause 8.1, Section-IV, Vol.-I of the Bidding Documents	..... Bid Security for the subject package - <b>Rs. 5,00,00,000/-</b> . .....	Please allow Bid Security Declaration or reduce the EMD to 1 Cr. considering the economic slowdown due to Covid-19 effect.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
10.	ITB 1.1, Section-II, Vol.-I of the Bidding Documents	The Owner named in the BDS intends to use domestic funding (Owner's Internal Resources/Domestic Borrowings/Bonds) for this Project. .....	Off shore funding provide access of fund for the project at very competitive rate. So, PGCIL may allow mixed funding with criteria for borrowing, minimum 40 % from Domestic Funding agencies.  Proposed Clause / Query :  <i>The Owner named in the BDS</i>	In this regard, the provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
			<i>intends to use domestic/off-shore funding (Owner's Internal Resources/ Domestic Borrowings/Bonds/External Commercial fundings/Export Credit Funding (EXIM or other agencies) for this Project.</i>	
11.			Please confirm the source of funding.	The risks, rights and obligations of POWERGRID and the Contractor shall be governed as per the provisions of the Contract.  Accordingly, bidders are requested to submit their bid as per the provisions of the Bidding Documents.
12.	ITB/ BDS 2.1, Section-III, Vol.-I of the Bidding Documents	This Invitation for Bids, issued by the Employer is open to all firms including company(ies), Government owned Enterprises registered and incorporated in India as per Companies Act, 1956, barring Government Department as well as foreign bidders/MNCs not registered and incorporated in India and those bidders with whom business is banned by the Employer.  .....	We understand that firms registered under Indian Companies Act prior to 1956 shall also be subsumed in the same. xxxxxxxx is registered under Indian Companies Act 1913. Kindly clarify.	In this regard, the provisions of the Bidding Documents are amply clear. Bidders are requested to ascertain their compliance w.r.t. registration and incorporation in India as per the provision of the Bidding Documents.

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification															
13.	ITB/BDS 2.1, Section-III, Vol.-I of the Bidding Documents	<p>.....</p> <p><b>Firms, who are executing contract(s) or has executed contract(s) in the past for the Employer (Owned as well as Consultancy)</b> and any of the following event(s) have been encountered during contract(s) execution, shall not be eligible to bid for the package(s) whose originally scheduled date of bid opening falls within the specified period reckoned from the date of determination by the Employer of such event as below:</p> <table border="1" data-bbox="495 919 999 1333"> <thead> <tr> <th data-bbox="495 919 575 1078">Sr. No.</th> <th data-bbox="575 919 800 1078">Event</th> <th data-bbox="800 919 999 1078">Period for which bid(s) shall be considered as non-responsive/ not eligible</th> </tr> </thead> <tbody> <tr> <td data-bbox="495 1078 575 1110">1.</td> <td data-bbox="575 1078 800 1110">.....</td> <td data-bbox="800 1078 999 1110">.....</td> </tr> <tr> <td data-bbox="495 1110 575 1143">2.</td> <td data-bbox="575 1110 800 1143">.....</td> <td data-bbox="800 1110 999 1143">.....</td> </tr> <tr> <td data-bbox="495 1143 575 1175">3.</td> <td data-bbox="575 1143 800 1175">.....</td> <td data-bbox="800 1143 999 1175">.....</td> </tr> <tr> <td data-bbox="495 1175 575 1333">4.</td> <td data-bbox="575 1175 800 1333"><b>Substantial portion of works (more than 50% of the Contract*) is sub-contracted,</b></td> <td data-bbox="800 1175 999 1333"><b>1 year</b></td> </tr> </tbody> </table>	Sr. No.	Event	Period for which bid(s) shall be considered as non-responsive/ not eligible	1.	.....	.....	2.	.....	.....	3.	.....	.....	4.	<b>Substantial portion of works (more than 50% of the Contract*) is sub-contracted,</b>	<b>1 year</b>	<p>Hope this is not applicable for EPC contract under RGGVY/ DDUGJY scheme.</p> <p><b>Kindly clarify.</b></p>	<p>In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.</p>
Sr. No.	Event	Period for which bid(s) shall be considered as non-responsive/ not eligible																	
1.	.....	.....																	
2.	.....	.....																	
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**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification									
		<table border="1" data-bbox="495 410 999 574"> <tr> <td data-bbox="495 410 575 505"></td> <td data-bbox="575 410 795 505">under an existing Contract</td> <td data-bbox="795 410 999 505"></td> </tr> <tr> <td data-bbox="495 505 575 537">5.</td> <td data-bbox="575 505 795 537">.....</td> <td data-bbox="795 505 999 537">.....</td> </tr> <tr> <td data-bbox="495 537 575 570">6.</td> <td data-bbox="575 537 795 570">.....</td> <td data-bbox="795 537 999 570">.....</td> </tr> </table> <p data-bbox="483 607 999 699"><i>*For the purpose of working out 50% of the Contract, following shall be taken into account:</i></p> <p data-bbox="495 732 999 857"><i>(a) Scope of the contract which is permissible to be sub-contracted as per bidding documents, shall be excluded.</i></p> <p data-bbox="495 889 999 982"><i>(b) Scope of the Contract which primarily relates to the Qualification Requirement (QR) of the bidder.</i></p> <p data-bbox="483 1015 999 1140">The Employer shall be the sole judge in this regard and the Employer's interpretation on the aforesaid event(s) shall be final and binding.</p> <p data-bbox="483 1188 653 1205">.....</p>		under an existing Contract		5.	.....	.....	6.	.....	.....		
	under an existing Contract												
5.	.....	.....											
6.	.....	.....											
14.	ITB 2.2, Section-II, Vol.-I of the	A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A	Can an OEM participate with multiple Bidders?	In this regard, the provisions of the Bidding Documents inter-alia at ITB Clause 2.2 are amply clear.									

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
15.	Bidding Documents	<p>Bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:</p> <p>.....</p> <p>(e) a Bidder submits more than one bid in this bidding process, either individually [including bid submitted as a agent/authorized representative on behalf of one or more manufacturer(s) or through Licensee – Licensor route, wherever permitted as per the provision of Qualification Requirement for the Bidders in Annexure – A (BDS)] or as a partner in a joint venture, except for alternative offers permitted under ITB Clause 9.3. This will result in the disqualification of all such bids. <b>However, this does not limit the participation of a Bidder as a subcontractor in another bid, or of a firm as a subcontractor in more than one bid;</b> or</p> <p>.....</p>	<p>We request PGCIL to change the clause to consider allowing only one OEM representation per component at the time of bid submission. Allowing multiple OEM's may not bring a qualitative and committed component strategy as far as OEM's are concerned.</p>	<p>In this regard, the provisions of the Bidding Documents shall remain unchanged.</p>
16.	ITB 2.2(g), Section-II, Vol.-I of the	<p>A Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Employer as Project Manager for the</p>	<p>Can subsidiary of the Employer/Owner/Utility bid for this tender. <b>kindly clarify.</b></p>	<p>Regarding Bidder's Eligibility, the provisions of the Bidding Documents read in conjunction with Amendment</p>

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	Bidding Documents	contract.		No 2 are amply clear.
17.	ITB/ BDS 6.2, Section-III, Vol.-I of the Bidding Documents	The subject package pertains to implementation of Advanced Metering Infrastructure Project(s) in Central & Western India.	Please share details of location under each utility where the project is going to be implemented. This will enable taking necessary considerations for quoting prices accordingly.	As brought-out in the Bidding Documents, POWERGRID intends to implement various Advanced Metering Infrastructure ("AMI") Project(s) ("Project(s)") for different DISCOMs/ Power Departments {"Utility (ies)"} in Central and Western India.  The details of Utility (ies) for which AMI Project(s) are to be implemented shall be shared with the pre-selected bidders in the event of award.  Accordingly, bidders are requested to submit their bid as per the provisions of the Bidding Documents.
18.			The project implementation depends on multiple factors like geography & demography of the project area. So the project area details are required for bidding and other project commitments like technology selection, timelines, resource deployment plan and project implementation schedules.  Kindly provide project area details like state, Electrical administrative area, consumer categories & metering points	
19.			Please provide GIS co-ordinate of consumers or list consumer area wise.	



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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
			This is required for network planning and estimation of cost of the components.	
20.	ITB/BDS 9 I (viii), Section-III, Vol.-I of the Bidding Documents	<p>.....</p> <p>(a) Bidders shall also submit</p> <p>(i) Authorization certificate issued by domestic manufacturer for selling Domestically Manufactured Iron &amp; Steel Products, if applicable and</p> <p>(ii) Affidavit of Self certification regarding Domestic Value Addition in Iron &amp; Steel Products duly signed and stamped on each page.</p> <p>.....</p>	Please clarify the requirement of the applicability.	In this regard, the provisions of the Bidding Documents inter-alia at ITB/BDS Clause 9.3 (v) & (w) are amply clear and shall remain unchanged.
21.	ITB/ BDS 9.1(b), Section-II and III, Vol.-I of the Bidding Documents	<p><b><u>ITB Clause 9.1(b) :</u></b></p> <p>Hard copy of the following documents submitted at the address mentioned at 1.1 above:</p> <p>i) DD or Online Payment Acknowledgement towards Bidding Document fee of the amount as specified</p>	We understand that only Power of Attorney, Joint Deed of Undertaking (if applicable), Joint Venture Agreement (if applicable), Integrity Pact and Safety Pact etc. need to be submitted in hard copy, not full technical bid. Please clarify.	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.

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		<p>in the in accordance with clause 5.4 of ITB or documentary evidence in support of exemption of Bidding Document fee as per ITB 5.5; - <b>Not Applicable</b></p> <p>ii) Bid Security (in Original) or Online Payment Acknowledgement towards Bid Security or documentary evidence in support of exemption of Bid Security, in separate envelope in accordance with clause 13 of ITB, Section-II;</p> <p>iii) Integrity Pact (in Original) in accordance with clause 9.3 (o) of ITB, Section-II in separate envelope;</p> <p>iv) Power of Attorney as per Clause 9.3 (b);</p> <p>v) In case of Bid from Joint Venture, the Joint Venture Agreement &amp; Power of Attorney of Joint Venture Agreement</p> <p>vi) Safety Pact (in Original) in accordance with clause 9.3 (s) of ITB, Section-II in separate envelope</p> <p>vii) Any other document further specified in the BDS duly signed and stamped on</p>		

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		<p>each page.</p> <p><b><u>BDS Clause 9.1(b)</u> :</b></p> <p><b>Supplementing Sub-Clause ITB 9.1(b) (vii) with the following:</b></p> <p>(a) Bidders shall also submit (i) Authorization certificate issued by domestic manufacturer for selling Domestically Manufactured Iron &amp; Steel Products, if applicable and (ii) Affidavit of Self certification regarding Domestic Value Addition in Iron &amp; Steel Products duly signed and stamped on each page.</p> <p>(b) Bidders shall also submit (i) Affidavit of Self certification regarding Minimum Local Content, if applicable, duly signed and stamped on each page (ii) Certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than</p>		

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

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		<p>companies) giving the percentage of Local Content, if applicable, duly signed and stamped on each page, in line with PPP-MII Order and MoP order.</p> <p>(c) Bidders shall also submit Joint Deed of Undertaking by the Collaborator along with the bidder/manufacturer, duly signed and stamped on each page in original, if applicable as per Annexure- A (BDS) {Applicable to Bidder Qualifying through Route-2 of the Qualification Requirement (ref. Clause 1.2.2 of Annexure-A (BDS))}</p> <p>(d) Bidders shall also submit JOINT DEED OF UNDERTAKING BY THE BIDDER ALONGWITH THE SUB-CONTRACTOR(S) FOR METER MANUFACTURER, HEAD END SYSTEM (HES) AND METER DATA MANAGEMENT SYSTEM (MDMS) {Applicable as per Clause 1.1.3 / Clause 1.2.4/ Clause 1.3.3 / Clause 1.4.3 / Clause 3.2.1.3/ Clause 3.2.2.3 /</p>		

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

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		<p><i>Clause 3.2.3.3 / Clause 3.2.4.3 / Clause 3.2.5.3 of Annexure-A (BDS), Section-III, Volume-I of the Bidding Documents}</i></p> <p>(e) Declaration regarding relationship of Affiliate/ Parent Company with the Bidder/ JV Partner alongwith the details of Equity Shareholding {Applicable as per Clause 5.0 of Annexure-A (BDS), Section-III, Volume-I of the Bidding Documents} (Format enclosed at Form No. 22, Section-VI, Volume-I of the Bidding Documents)</p> <p>(f) Letter of Undertaking from Parent / Affiliate of Sole Bidder / JV Partner whose Technical / Financial Capabilities has been used by the Sole Bidder / JV Partner {Applicable as per Clause 5.0 of Annexure-A (BDS), Section-III, Volume-I of the Bidding Documents} (Format enclosed at Form No. 23, Section-VI, Volume-I of the Bidding Documents)</p> <p>(g) Board resolution of Technically /</p>		

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		Financially Evaluated Entity (in case credentials of such Technically / Financially Evaluated Entity has been utilized by the Sole Bidder or JV Partner) <i>{Applicable as per Clause 5.0 of Annexure-A (BDS), Section-III, Volume-I of the Bidding Documents}</i> (Format enclosed at Form No. 24, Section-VI, Volume-I of the Bidding Documents)		
22.	ITB 9.3(c), Section-II, Vol.-I of the Bidding Documents	<p>.....</p> <p>The bidder shall furnish along with its bid a declaration as per the enclosed format from its Power of Attorney holder and Key Managerial Personnel (KMP) of the company i.e. CEO/Managing Director/ Company Secretary/ Director/CFO/any of the partner in case of partnership firm/ any other officer entrusted with substantial powers of the management of the affairs of the company/firm, declaring the eligibility/qualification data to be true and correct.</p> <p>.....</p>	Please provide format for bid declaration.	The format of Attachment-20 ( <i>Declaration of Key Managerial Person jointly with Power of Attorney holder</i> ) is already provided in the word file titled ' <i>17_Volume-III_Attachment-20_KMP Declaration</i> ' enclosed with the Bidding Documents.

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23.	ITB/BDS 9.3 (v) and (w), Section-III, Vol.-I of the Bidding Documents  Form No 27, Section-VI (Sample Forms and Procedures),	<p>.....</p> <p>(v) Attachment 21: Authorization certificate issued by Domestic Manufacturer for selling Domestically Manufactured Iron &amp; Steel Products (<i>submission of Hard Copy in 'Original' on Domestic Manufacturer's letter head</i>)</p> <p>.....</p> <p>(w) Attachment 22: Affidavit of Self certification regarding Domestic Value Addition in Iron &amp; Steel Products (<i>submission of Hard Copy in 'Original' to be submitted on a non-judicial stamp paper of Rs. 100/-.</i>)</p> <p>.....</p> <p>27.0 FORMAT OF VALUE-ADDITION CERTIFICATE ON HALF-YEARLY BASIS (SEP 30 AND MAR 31), DULY CERTIFIED BY THE STATUTORY AUDITORS OF THE DOMESTIC</p>	<p>This Affidavit &amp; Forms are applicable for specific projects and related to iron and steel products.</p> <p>Requested to kindly delete the said Documents i.e., Attachment 21 &amp; 22 &amp; Form 27 as in metering projects there is no applicability of same.</p> <p>Kindly delete the forms to be submitted.</p>	<p>In this regard, the provisions of the Bidding Documents inter-alia at ITB/BDS Clause 9.3 (v) &amp; (w) are amply clear and shall remain unchanged.</p>

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	Vol.-I of the Bidding Documents	MANUFACTURER .....		
24.	ITB/BDS 9.3 (aa), Section-III, Vol.-I of the Bidding Documents	..... (aa) Attachment 26: Declaration by the Bidder regarding events encountered pursuant to ITB Clause 2.1 ( <i>In case of a Joint Venture bid, the declaration shall be given by all partners of the Joint Venture</i> ) .....	Attachment 26 – We understand that the declaration required is pursuant to scope of work related to smart metering projects and QR specified in Bid documents.  And request you to modify the Note section of the attachment wherein details related to Power Grid are referred and not applicable to smart metering projects.	In this regard, the provisions of the Bidding Documents inter-alia at ITB/BDS Clause 2.1 are amply clear and shall remain unchanged.
25.	ITB/ BDS 11.5, Section-III, Vol.-I of the Bidding Documents	The Prices quoted by the Bidder shall be on 'Firm' basis during the entire currency of Contract and shall not be subject to price variation, what-so-ever during contract execution.  All the relevant clauses pertaining to price variation/adjustment, wherever appearing in the Bidding Documents, stand deleted.	Looking at scenario starting from COVID breakout, the prices of commodities are highly volatile and supply chains are still uncertain. Therefore, ascertaining prices of steel, copper, aluminium and even electronic components including chips is not feasible for coming 10 years. Therefore, request you to keep price variation clause for safeguarding bidders offer and commercial impact.	In this regard, the provisions of the Bidding Documents shall remain unchanged.



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26.			We request to reinstate the Price variation clause.	
27.			It is not possible to hold the prices for so many equipments, Hardware, Softwares and Services for 10 years. Request you to allow PV in cables, Meters etc as per IEEMA PV formula.  Otherwise quantity increment should be made within installation milestone period only.	
28.	ITB/BDS 16.1, Section-III, Vol.-I of the Bidding Documents	..... <b>Envelope – 1:</b> Bidding Document fee / Online Payment Acknowledgement towards Bidding Document fee/ documentary evidence in support of exemption of Bidding Document fee – <b>Not Applicable</b>  <b>Envelope – 2:</b> Bid Security/ Online Payment Acknowledgement towards Bid Security/ documentary evidence in support of exemption of Bid Security  <b>Envelope – 3</b> Integrity Pact	The employer mentions 'separate envelope' in mentioned clauses. Please clarify how the hard copy submission is expected by the employer. Are the document expected to be in five different envelope or altogether put and sealed in a single envelope submitted by the bidder.	The bidders are requested to submit hard copy part of their bid in different sealed envelopes as brought-out in the Bidding Documents. However, Bidders may choose to enclose all the said envelopes in a single sealed envelope before submitting it to POWERGRID.

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		<p><b>Envelope – 4:</b> Power of Attorney, Joint Venture Agreement (<i>as applicable</i>) and Power of Attorney of Joint Venture Agreement (<i>as applicable</i>) and Joint Deed of Undertaking (<i>as applicable</i>) and any other documents as required (<i>refer para 15.1 above</i>).</p> <p>.....</p> <p><b>Envelope –5:</b> Safety Pact</p> <p>.....</p>														
29.	ITB/BDS Clause 24.1(c), Section-III, Vol.-I of the Bidding Documents	<p>.....</p> <table border="1" data-bbox="489 979 1001 1294"> <thead> <tr> <th data-bbox="489 979 581 1109">S.N o.</th> <th data-bbox="581 979 785 1109">Milestone</th> <th data-bbox="785 979 1001 1109">Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td data-bbox="489 1109 581 1169">1</td> <td data-bbox="581 1109 785 1169">.....</td> <td data-bbox="785 1109 1001 1169">.....</td> </tr> <tr> <td data-bbox="489 1169 581 1219">2</td> <td data-bbox="581 1169 785 1219">.....</td> <td data-bbox="785 1169 1001 1219">.....</td> </tr> <tr> <td data-bbox="489 1219 581 1294">3</td> <td data-bbox="581 1219 785 1294">.....</td> <td data-bbox="785 1219 1001 1294">.....</td> </tr> </tbody> </table>	S.N o.	Milestone	Timeline (in months from the Effective Date of Contract)	1	.....	.....	2	.....	.....	3	.....	.....	<p>Any AMI project need to be implemented in a phase manner, thus ensuring the right project management &amp; achieving the intended value delivery. So, the having a smaller meter population for the first milestone will help in timely testing of use cases and the system performance.</p> <ul style="list-style-type: none"> <li>• Delivery, site installation and commissioning of Network Operations cum Monitoring</li> </ul>	<p>In this regard, the provisions of the Bidding Documents shall remain unchanged.</p>
S.N o.	Milestone	Timeline (in months from the Effective Date of Contract)														
1	.....	.....														
2	.....	.....														
3	.....	.....														

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		4	.....	.....	<p>Centre with related hardware, software and equipment; and</p> <ul style="list-style-type: none"> <li>• Delivery, site installation, integration and operationalization of <del>[5%]</del> of <b>10,000 nos.</b> Smart Meters each with related hardware, software and equipment and successful operational go-live</li> </ul>
		5	<ul style="list-style-type: none"> <li>• .....</li> <li>• Delivery, site installation, integration and operationalization of [5%] of Smart Meters each with related hardware, software and equipment and successful operational go-live</li> </ul>	Within [8] months	
		5	.....	.....	
		6	.....	.....	
		7	.....	.....	
		8	.....	.....	

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		.....		
30.	ITB Clause 27.6, Section-II, Vol.-I of the Bidding Documents	Total Bid prices quoted by bidders on GeM portal calculated based on the unit prices quoted by the bidder against each of the BOQ items corresponding to various Price Schedules shall be referred to as "Evaluated Bid Price" and shall remain unaltered.	Please clarify whether the L1 bidder and subsequently M1 bidder (after E-RA) shall be selected based on total of Schedule 1,2,3,4A,4B of price bid sheet.  In case of any other criteria, please specify	In this regard, the provisions of the Bidding Documents inter-alia at ITB/BDS Clause 27.6 are amply clear and shall remain unchanged.
31.	ITB/BDS 28.1 and 28.2, Section-II and III, Vol.-I of the Bidding Documents	<b><u>ITB/BDS Clause 28.1 :</u></b> Purchase Preference as admissible under the policies of Government of India in vogue shall be as per Annexure-B (BDS).  <b><u>ITB/BDS Clause 28.2 :</u></b>  No margin of domestic preference will be allowed in evaluation and comparison of bids.	We understand there is domestic preference & purchase preference are secret domestic preference is NIL & purchase preference for is 20% as per Annexure-B (BDS). <b>Kindly clarify.</b>	In this regard, the provisions of the Bidding Documents are amply clear.
32.	ITB/ BDS 31.1, Section-III, Vol.-I of the Bidding Documents	Subject to ITB Clause 32, the Employer will pre-select and sign Memorandum of Understanding (MoU) with four successful bidders identified in the manner specified herein below, whose bid(s) have been	1. Please clarify the timeline till when the offer price of supply portion shall be valid i.e. if there's gap of substantial timeline between projects till 25 lakh quantity, the prices may	In this regard, Bidders are requested to refer ITB / BDS Clause 14 and Clause 31.1 which are amply clear.

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		determined to be substantially responsive, further provided that the Bidder(s) are determined to be qualified, as per the Qualification Requirement specified in Annexure-A (BDS) to perform the contract(s) satisfactorily. <b>The initial validity of the MoU shall be six months from the date of signing of MoU, which shall further be extended with the consent of both POWERGRID and the pre-selected bidder.</b>  .....	vary within due course of time.  2. Also, share the timeline within which these 1 crore AMI projects shall be awarded from RFP submission date.	
33.	ITB/ BDS 31.1, Section-III, Vol.-I of the Bidding Documents	..... <b>In case POWERGRID signs AMISP Contract(s) with Utility(ies), POWERGRID shall award the Contract(s) on pre-selected bidder(s) based on their ranking i.e. first on M1, then M2 and so on so forth. Employer shall be the sole judge in this regard.</b>	Please clarify the sequence of work award to successful parties i.e work order of 25 lakh smart meters shall be placed on L1 irrespective of no. of projects or each project will be divided equally among all 4 bidders.	Refer Amendment No 2 in this regard.
34.		<b>In case of emergence of requirement in the AMISP Contract for the Utility, wherein more than one pre-selected bidders are required to be deployed,</b>	It is requested that that M1 should have the first right of refusal till the quantity of 25L and further only M2 shall be allotted.	Refer Amendment No 2 in this regard.

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		<p><b>suitable agreement shall be executed among such pre-selected bidders and Employer to facilitate execution of such work inter-alia including execution of conditions of SLA, other techno-commercial conditions. Employer shall be the sole judge in this regard.</b></p>		
35.	ITB/ BDS 31.1, Section-III, Vol.-I of the Bidding Documents	<p>.....</p> <p>Subject to purchase preference as per ITB Clause 28.1 above, the methodology for pre-selecting the bidders for signing of MoU shall be as per the following:</p> <p>a) The lowest evaluated bid after e-RA shall be denoted as L1.</p> <p>b) The L1 Bidder shall be pre-selected and MoU shall be signed with L1 Bidder (also referred as M1 Bidder).</p> <p>c) Thereafter, all the remaining bidders shall be sent price match request to match their price with L1 Bidder on GeM portal. <b>The</b></p>	<p>Kindly clarify on below:</p> <ol style="list-style-type: none"> <li>1. Is the E-RA will be conducted for each lot (25 L Smart meter solution) separately or a common e-RA between all lots (1 Cr Smart Meter solution)</li> <li>2. What will happen if more than 4 bidders agreed to match the prices on Gem portal</li> <li>3. What happen if after price match request sent to bidders, only single or two bidders matches, will the 2 or 3 successful Bidder will be</li> </ol>	<p>Reverse Auction shall be carried out based on total Evaluated Bid Price i.e. Total Price pertaining to all the items provided in the GeM portal which is corresponding to entire 1 crore smart meters. Lot-wise e-RA (<i>corresponding to 25 Lakh Smart Meters</i>) shall not be conducted.</p> <p>In this regard, the provisions of the Bidding Documents inter-alia at ITB/BDS Clause 31.1 are amply clear.</p> <p>In this regard, the provisions of the Bidding Documents inter-alia at ITB/BDS Clause 31.1 are amply clear.</p>

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		<p><b>three lowest evaluated bidders who have agreed to match the L1 Price shall be referred to as M2, M3 &amp; M4 bidders in the order of their ranking based on final evaluated bid price after e-RA.</b></p> <p>Accordingly, the MoU shall also be signed with such Pre-Selected Bidders.</p> <p>d) The bidder who has not been shortlisted for e-RA shall not be considered for pre-selection/award.</p> <p>e) <b>The number of Lots for which the bidder could not be pre-selected in the manner specified above, shall remain un-awarded and accordingly, MoU shall not be signed for such Lots.</b></p> <p>.....</p>	<p>given more than 25 L smart meter solution quantity.</p>	
36.	ITB/ BDS 31.1, Section-	.....	Please suggest and the quantity distribution if technically qualified	In this regard, the provisions of the Bidding Documents are amply clear.

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	III, Vol.-I of the Bidding Documents	<p>a) <b>The number of Lots for which the bidder could not be pre-selected in the manner specified above, shall remain un-awarded and accordingly, MoU shall not be signed for such Lots.</b></p> <p>.....</p>	bidder are less than 4.	
37.	ITB/ BDS 31.1, Section-III, Vol.-I of the Bidding Documents	<p>.....</p> <p><b>In case POWERGRID signs AMISP Contract(s) with Utility(ies), POWERGRID shall award the Contract(s) on pre-selected bidder(s) based on their ranking i.e. first on M1, then M2 and so on so forth. Employer shall be the sole judge in this regard.</b></p> <p>.....</p>	<p>It is not possible to assess cost of various goods unless the location and number of utilities for contracts are declared.</p> <p>Please give us minimum and maximum number of utilities to assess the bid in properly.</p>	<p>As brought-out in the Bidding Documents, POWERGRID intends to implement various Advanced Metering Infrastructure ("AMI") Project(s) ("Project(s)") for different DISCOMs/ Power Departments {"Utility (ies)"} in Central and Western India.</p> <p>The details of Utility (ies) for which AMI Project(s) are to be implemented shall be shared with the pre-selected bidders in the event of award.</p> <p>Accordingly, bidders are requested to submit their bid as per the provisions of the Bidding Documents.</p>
38.	Clause 1.1.3, 1.2.4, 1.3.3,	...	Lead Bidder will put some margins & RISK components on sub-	The value of Performance Guarantee from a Sub-Contractor shall be



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	1.4.3, 3.2.1.3, 3.2.2.3, 3.2.3.3, 3.2.4.3, 3.2.5.3 of Annexure-A (BDS), Section-III, Vol.-I of the Bidding Documents	1.1.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 1.1.2 above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by such Sub-Contractor</b> . This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.	contractors Proposal, in such case the actual Order value to Sub-Contractor will be less with respect to price Quoted by Lead Bidder for such component.  Kindly Confirm, at what price of Subcontractor component this Performance Guarantee to be submitted to PGCIL?	equivalent to 5% of the Ex-works plus Installation cost of Smart Meters ( <i>for Meter Manufacturer(s)</i> ), 5% of the Ex-works plus Installation/Integration cost of HES ( <i>for HES Provider(s)</i> ) and 5% of the Ex-works plus Installation/Integration cost of MDMS ( <i>for MDMS Provider(s)</i> ) as identified in the Contract awarded by the Employer to the Bidder/Contractor.
39.		..... 1.2.4 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms & Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 1.2.3 above shall be submitted by	Please clarify as an which value OEM shall submit the Performance Guarantee (BG). Will it be value at which bidder is buying.  Please reduce the Performance Guarantee Value to 2.5% on completion of installation milestones.	The value of Performance Guarantee from a Sub-Contractor shall be equivalent to 5% of the Ex-works plus Installation cost of Smart Meters ( <i>for Meter Manufacturer(s)</i> ), 5% of the Ex-works plus Installation/Integration cost of HES ( <i>for HES Provider(s)</i> ) and 5% of the Ex-works plus Installation/Integration cost of MDMS ( <i>for MDMS Provider(s)</i> ) as identified in the Contract awarded by the Employer to the Bidder/Contractor.  In this regard, the provisions of the Bidding Documents shall remain unchanged.

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		<p>the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by such Sub-Contractor</b>. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p> <p>.....</p> <p>1.3.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms &amp; Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 1.3.2 above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by such Sub-Contractor</b>. This performance guarantee shall be in addition to contract performance</p>		

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		<p>guarantee to be submitted by the Bidder.</p> <p>.....</p> <p>1.4.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms &amp; Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 1.4.2 above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by such Sub-Contractor</b>. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p> <p>.....</p> <p>3.2.1.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms &amp; Procedures), Volume-I of the</p>		

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		<p>Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 3.2.1.2 above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by such Sub-Contractor</b>. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p> <p>.....</p> <p>3.2.2.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms &amp; Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 3.2.2.2 above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by</b></p>		

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		<p><b>such Sub-Contractor.</b> This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p> <p>.....</p> <p>3.2.3.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms &amp; Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 3.2.3.2 above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by such Sub-Contractor.</b> This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p> <p>.....</p>		

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		<p>3.2.4.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms &amp; Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 3.2.4.2 above shall be submitted by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by such Sub-Contractor</b>. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p> <p>.....</p> <p>3.2.5.3 A "Joint Deed of Undertaking" as per the format enclosed at Section-VI (Sample Forms &amp; Procedures), Volume-I of the Bidding Documents, to be jointly executed by the Bidder and the Sub-Contractor(s) as per para 3.2.5.2 above shall be submitted</p>		

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		<p>by the Bidder along with bid. Each Sub-Contractor shall furnish performance guarantee for an amount of <b>5% of cost of equipment/services offered by such Sub-Contractor</b>. This performance guarantee shall be in addition to contract performance guarantee to be submitted by the Bidder.</p> <p>.....</p>		
40.	GCC 1.1(cc), Section-IV, Vol.-I of the Bidding Documents	"Subcontractor"/"vendor"/"sub-vendor" means firms/ corporations/government entities to whom execution of any part of the Facilities, including preparation of any design or supply of any Plant and Equipment, is sub-contracted directly or indirectly by the Contractor with the consent of the Employer in writing, and includes its legal successors or permitted assigns.	We understand that OEMs and Subcontractor is not same in this RFP, please clarify.	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.
41.	GCC/SCC 2.1.2, Section-V, Vol.-I of the Bidding	The award of three separate Contracts shall not in any way dilute the responsibility of the Contractor for the successful completion of the facilities as per Specification and a breach in one	There is no clarity regarding how would there be two separate Contract and why should one Contractor would be liable or responsible for successful	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.  Bidders are further requested to note

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	Documents	Contract shall automatically be construed as a breach of the other Contract(s) which will confer a right on the Employer to terminate the other Contract(s) also as per the provision of GCC Clause 36 inter-alia at the risk and the cost of the Contractor.	completion of work agreed under the scope of work. Since each contractor have been given their respective responsibilities, therefore for any lapse; the liability should lay with the Employer itself.	that provisions of Section-IV (GCC) are required to be read in conjunction with provisions of Section-V (SCC) as brought-out in Preamble to GCC.
42.	GCC/SCC 3.1, Section-V, Vol.-I of the Bidding Documents	Unless otherwise expressly limited in the Technical Specifications, the Contractor's obligation shall include the provision of all Plant and Equipment and the performance of all Installation Services required for the design, the manufacture (including procurement, quality assurance, construction, installation, associated civil works, and delivery) of the Plant and Equipment and the installation, integration, completion, commissioning and performance testing of the facilities, Training to be imparted ( <b>whether in India or abroad</b> ), Operation, Maintenance and other support Services after the successful completion of the Operational Go-Live of the system and any other services in accordance with the plans, procedures, specifications, drawings, codes and any other documents as specified in the Technical	All training under the contracts shall be in India. <b>Kindly amend.</b>	In this regard, the provisions of the Bidding Documents inter-alia including Section-13 (Training & Consumer Engagement Plan) of Volume-II (Technical Specifications) are amply clear and shall remain unchanged.



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		<p>specifications. Such specifications include, but are not limited to, the provision of supervision and engineering services; the supply of labour, materials, equipment, spare parts (as specified in GCC Sub-Clause 3.3 below) and accessories; Contractor's Equipment; construction utilities and supplies; temporary materials, structures and facilities; transportation (including without limitation, all clearances, handling etc.); storage and training except for those supplies, works and services that will be provided or performed by the Employer, as set forth in Appendix-6 (Scope of Works and Supply by the Employer) to the Contract Agreement.</p>		
43.	GCC 3.2, Section-IV, Vol.-I of the Bidding Documents	<p>The Contractor shall, unless specifically excluded in the Contract, perform all such work and/or supply all such items and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Completion of the Facilities as if such work and/or items and materials were expressly mentioned in the Contract.</p>	<p>Not sure on why should the scope of work that has been agreed between Parties need to be changed arbitrarily without agreement between Parties; since any change in the Work may incur additional cost and expenses. Also this change in Work may require additional approvals and permission that are out of the control of Contractor. Thus any change or modification would</p>	<p>In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.</p>

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			need to be preagreed between Parties.	
44.	GCC/SCC 3.3, Section-V, Vol.-I of the Bidding Documents	The Contractor shall be responsible for providing all the spares as may be required during currency of the Contract. The spares shall be maintained by the Contractor at no extra cost to the Employer/Utility.	The supply of Mandatory Spare Parts, if any, shall be included in the Contract. Beside the aforesaid Mandatory Spares parts, the Contractor shall ensure the availability of spare parts required for the operation and maintenance of the Facilities to the Employer for a minimum period of 15 years from <del>Completion of the Facilities.</del> <b>Signing of Contract.</b> The Contractor shall carry sufficient inventories to ensure an ex-stock supply of consumable spares for the plant and equipment. If so desired by the Employer, the Contractor shall submit the specifications, price and the terms and conditions relating to the supply thereof for such spares identified by the Employer with validity period of 6 months within 30 days of receipt of request from Employer for its consideration and placement of order.	In this regard, the provisions of the Bidding Documents inter-alia at GCC/SCC Clause 3.3 are amply clear and shall remain unchanged.  Bidders are further requested to note that provisions of Section-IV (GCC) are required to be read in conjunction with provisions of Section-V (SCC) as brought-out in Preamble to GCC.
45.	GCC/SCC	.....	Refer to Installation milestone of 30	As brought-out at ITB/ BDS clause

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	Clause 4.1, Section-V, Vol.-I of the Bidding Documents	<table border="1" data-bbox="487 440 1001 1192"> <thead> <tr> <th data-bbox="487 440 579 570">S.N o.</th> <th data-bbox="579 440 785 570">Milestone</th> <th data-bbox="785 440 1001 570">Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td data-bbox="487 570 579 630">1</td> <td data-bbox="579 570 785 630">.....</td> <td data-bbox="785 570 1001 630">.....</td> </tr> <tr> <td data-bbox="487 630 579 690">2</td> <td data-bbox="579 630 785 690">.....</td> <td data-bbox="785 630 1001 690">.....</td> </tr> <tr> <td data-bbox="487 690 579 750">3</td> <td data-bbox="579 690 785 750">.....</td> <td data-bbox="785 690 1001 750">.....</td> </tr> <tr> <td data-bbox="487 750 579 810">4</td> <td data-bbox="579 750 785 810">.....</td> <td data-bbox="785 750 1001 810">.....</td> </tr> <tr> <td data-bbox="487 810 579 870">5</td> <td data-bbox="579 810 785 870">.....</td> <td data-bbox="785 810 1001 870">.....</td> </tr> <tr> <td data-bbox="487 870 579 930">5</td> <td data-bbox="579 870 785 930">.....</td> <td data-bbox="785 870 1001 930">.....</td> </tr> <tr> <td data-bbox="487 930 579 990">6</td> <td data-bbox="579 930 785 990"><b>Installation Milestone</b></td> <td data-bbox="785 930 1001 990">Within months [30]</td> </tr> <tr> <td data-bbox="487 990 579 1050">7</td> <td data-bbox="579 990 785 1050">.....</td> <td data-bbox="785 990 1001 1050">.....</td> </tr> <tr> <td data-bbox="487 1050 579 1110">8</td> <td data-bbox="579 1050 785 1110">.....</td> <td data-bbox="785 1050 1001 1110">.....</td> </tr> </tbody> </table> <p data-bbox="487 1208 604 1224">.....</p>	S.N o.	Milestone	Timeline (in months from the Effective Date of Contract)	1	.....	.....	2	.....	.....	3	.....	.....	4	.....	.....	5	.....	.....	5	.....	.....	6	<b>Installation Milestone</b>	Within months [30]	7	.....	.....	8	.....	.....	<p>months for delivery, installation, site acceptance and go live of each lot of 25 lakh smart meters, it will be difficult for any bidder to achieve the above milestone. We request PGCIL to review the timeline and allow more time to bidders for successful implementation and go live.</p>	<p>31.1, the pre-selected bidder shall be considered for award of Smart Meter quantity upto 25 lakhs alongwith associated Supply/Services.</p> <p>Within the lot size of above referred 25 lakhs Smart Meters, POWERGRID may place single/multiple award(s)/Contract(s), as per requirement, on a single pre-selected bidder as per the provision of ITB / BDS Clause 31.5.</p> <p>The terms and conditions of the Bidding Documents inter-alia including Project Milestones (<i>including Installation Milestone</i>) shall be applicable independently to these separate contracts.</p>
S.N o.	Milestone	Timeline (in months from the Effective Date of Contract)																																
1	.....	.....																																
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6	<b>Installation Milestone</b>	Within months [30]																																
7	.....	.....																																
8	.....	.....																																
46.	GCC/SCC	The Contractor confirms that it has	Kindly amend the clause as below:	In this regard, the provisions of the																														

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	Clause 5.2, Section-V, Vol.-I of the Bidding Documents	entered into this Contract on the basis of a proper examination of the data relating to the Facilities provided by the Employer, <b>and on the basis of information that the Contractor could have obtained for the Utility(ies) in central and Western India and of other data readily available to it relating to the Facilities as of the date twenty-eight (28) days prior to bid submission.</b> The Contractor acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Facilities.	The Contractor confirms that it has entered into this Contract on the basis of a proper examination of the data relating to the Facilities (including any data as to boring tests) provided by the Employer. The Contractor acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Facilities.	Bidding Documents shall remain unchanged.
47.	GCC/SCC Clause 5.6, Section-IV, Vol.-I of the Bidding Documents	The Contractor shall permit the Employer to inspect the Contractor's accounts and records relating to the performance of the Contractor.	Since the Employer shall monitor the records related to performance but It is requested that the Inspection of Contractor's account should be deleted as same is confidential.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
48.	GCC 7.2, Section-IV, Vol.-I of the Bidding Documents	The Contract Price shall be subject to adjustment in accordance with the provisions of Appendix 2 (Price Adjustment) to the Contract Agreement. The Contract Price shall be increased or reduced on account of variation in	The pricing offered by Contractor was based on the quantity of work that was already proposed in the bid document. Any change would invariably change the commercial terms between Parties and therefore	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.

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		quantity in accordance with Clause 33 of GCC.	unless its agreeable cannot be altered subsequently.	
49.	GCC/SCC 9.3.1, Section-IV & V, Vol.-I of the Bidding Documents	<p>The Contractor shall, within twenty-eight (28) days of the notification of award, provide performance security(ies) for the due performance of the Contract in the amount equivalent to <b>Five percent (05%)</b> of the Contract Price, with a validity upto six (06) months beyond the end of Contract Period. The same shall be extended by the Contractor time to time till six (06) months beyond the end of Contract Period, as may be required under the Contract.</p> <p>.....</p> <p>In addition to the Performance Security of <b>05%</b> of the Contract Price, the successful bidder is required to furnish additional performance security(ies), if applicable, as per as per stipulated QR/Clause no. 4 of Joint Deed of Undertaking mentioned at Sl. No. 20 of Section – VI : Sample Forms and Procedures.</p> <p>In addition to the Performance Security of <b>05%</b> of the Contract Price, the successful bidder is required to furnish additional performance security(ies), if applicable,</p>	<p>Total contract period is 30 months + 90 months i.e. 120 months. Banks have reservation in issuing such a long validity of BGs. Please note BG will opened for 36 months initially and will be extended from time to time as per the contract requirement.</p> <p>Please allow this.</p> <p>Please reduce the Performance Guarantee Value to 2.5% on completion of installation milestones.</p> <p>We understand bidder/ contractor have to submit 3% performance security as per Notification No. <b>F.9/4/2020-PPD, Dated- 12th November' 2020</b> by Govt. of India, till the period of 3 months after complete project operational acceptance.</p> <p>There should not be any performance security post project operational acceptance as the</p>	In this regard, the provisions of the Bidding Documents inter-alia at GCC Clause 9.3.1.1 are amply clear and shall remain unchanged.

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		<p>as per as per stipulated QR/Clause no. 4 of Joint Deed of Undertaking mentioned at Sl. No. 21 of Section – VI : Sample Forms and Procedures.</p> <p>9.3.1.1 Notwithstanding above, in case of the performance security (ies) for which the validity as per GCC Clause 9.3.1 is required to be <b>more than 5 years, the Contractor may choose to submit the performance security with initial validity of 5 years. In such cases, the Contractor shall, however be required to extend the validity till ninety (90) days beyond the actual Defect Liability Period, as may be required under the Contract at any time, but no later than 6 months, prior to expiry of the performance security failing which the said performance security shall be forfeited by the Employer.</b></p>	<p>contractor will get the payment on Per Meter Per Month (PMPM) basis on meeting the SLA/ Performance . Besides the assets created will be in the custody of PGCIL.</p>	
50.	GCC 16.3.1,	The Contractor shall prepare <i>(or cause its</i>	Kindly clarify that the document	In this regard, the provisions of the

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	Section-IV, Vol.-I of the Bidding Documents	<p><i>Subcontractors to prepare</i>) and furnish to the Project Manager the documents listed in Appendix-7 (List of Documents for Approval or Review) to the Contract Agreement for its approval or review as specified and as in accordance with the requirements of GCC Sub-Clause 14.2 (Program of Performance).</p> <p>.....</p>	approval shall be given by Project Manager or the Utility/ Discom.	Bidding Documents are amply clear and shall remain unchanged.
51.	GCC/SCC 18.3.2.1(i), Section-V, Vol.-I of the Bidding Documents	The Contractor shall (a) establish an operational system of managing environmental impacts, (b) carry out all the monitoring and mitigation measures set forth in the environment management plan attached to the Special Conditions of Contract as <b>Appendix-I</b> , and (c) allocate the budget required to ensure that such measures are carried out. The Contractor shall submit to the Employer (quarterly) semi-annual) reports on the carrying out of such measures.	It is to apprise that AMI projects which in not like Construction or industrial project, wherein the project is more inclined towards IT solutioning, hence this clause is not applicable, hence requested to delete the said clause.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
52.	GCC/SCC 18.3.3.22, Section-IV and V, Vol.-I	The Contractor shall follow and comply with all Employer Safety Rules, relevant provisions of applicable laws pertaining to the safety of workmen, employees, plant	We request the Employer to specify its safety rules related to AMI with the tender documents.	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.

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	of the Bidding Documents	<p>and equipment as may be prescribed from time to time without any demur, protest or contest or reservations. In case of any discrepancy between statutory requirement and Employer Safety Rules referred above, the latter shall be binding on the Contractor unless the statutory provisions are more stringent.</p> <p>In addition to the Safety Precautions mentioned hereinabove, the Contractor shall adhere to all <b>safety and</b> security requirement/regulations of Utility during the execution of the work. Employer's/Utility's employees and associates also shall comply with safety procedures/policy.</p>		
53.	GCC/SCC 20.2, Section-V, Vol.-I of the Bidding Documents	<p>.....</p> <p>In accordance with Technical Specifications, the Utility shall provide necessary clearance/approval/ permits that are to be issued by it for initial 20% of contiguous electrical locations for Smart Meter deployment along with related documentation within 6 (six) months from date of execution of the AMISP Contract. Furthermore, the Utility shall provide</p>	<p>Please provide necessary clearance/approval/ permits for all the feeder meter within 3 months of the date of contract so that the installation &amp; integration, Go Live of feeder meter can be completed within 8 months as mentioned in the milestone.</p> <p>Otherwise it will be difficult to complete feeder metering work in 2</p>	<p>In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.</p>



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		<p>necessary clearance/ approval/ permits to be issued by it for remaining contiguous electrical locations as well as non-contiguous electrical locations for Smart Meter deployment along with related documentation on quarterly basis. Utility shall endeavour to provide 20% of contiguous electrical locations cleared each quarter and complete area within 18 (eighteen) months from date of execution of the AMISP Contract. The Utility shall issue a Notice no later than 7 days of expiry of time period specified above confirming the actual number of meters for which clearance/ approval/ permits is available. If the Utility fails to issue the necessary clearance and approvals or if the Utility acknowledges that no further consumer/feeder locations are available for deployment within the allotted time, then the meter population for which clearance/ approval/ permits is available shall be assumed as the number required for meeting the "Installation Milestone".</p> <p>.....</p>	(8-6) months.	
54.	GCC/SCC Clause 21.2, Section-V,	Except in case of Force Majeure or where the delay in delivery of the Solution is caused due to any delay or default of	Please clarify overall penalty for delay in project or its milestone. Herein the clause, only feeder	In this regard, Bidders are requested to refer GCC / SCC Clause 21.2 which is amply clear.

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	Vol.-I of the Bidding Documents	<p>Utility/Employer <b>if the Installation Milestone is delayed by more than 30 (thirty) months from the effective date of the Contract the Contractor shall be liable to pay liquidated damages as per the rates specified in this clause.</b></p> <p>Except in case of Force Majeure or where the delay in delivery of the Solution is caused due to any delay or default of Utility/Employer if the delivery, site installation, integration and operationalization of 100% of Feeder Meters each with related hardware, software and equipment is delayed by more than 8 (Eight) months from the date of execution of the Contract the Contractor shall be liable to pay liquidated damages as per the rates specified in this clause.</p> <p>.....</p>	meters are referred and penalty on delay of rest of the work is not defined.	
55.	GCC/SCC 21.3, Section-V, Vol.-I of the Bidding Documents	If the Contractor achieves milestone of "Installation Milestone" at least one month in advance than the timelines specified in the Contract, Employer shall provide an incentive as 0.75% of the Contract Price	Penalty & Incentives  Clause to be added  If the AMISP achieves milestone of	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.  Bidders are further requested to note

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		<p>(maximum upto 75% of the incentive received by the Employer from the Utility), which shall be paid against submission of requisite Supplementary Invoice in this regard.</p> <p>Notwithstanding above, the payment of incentive as above shall be subject to receipt of the incentive from the Utility to the Employer.</p>	<p>"Work Completion (as provided in Schedule of this Contract) at least one month in advance than the timelines specified in the Contract, [Utility] shall provide an incentive of a sum equivalent to <b>2.5%</b> of the Contract Value.</p>	<p>that provisions of Section-IV (GCC) are required to be read in conjunction with provisions of Section-V (SCC) as brought-out in Preamble to GCC.</p>
56.	GCC/SCC 22.2, Section-V, Vol.-I of the Bidding Documents	<p>The Defect Liability Period (<i>also referred as Warranty period</i>) of the AMI system / Facilities shall remain valid <b>till expiry of the Contract Period.</b></p> <p><b>At the end of the contract or at the time of transfer in case of termination under GCC Clause 36, the meters shall have a warranty of five years from their installation.</b></p> <p>.....</p>	<p>The Bidder shall provide warranty provisions as per RFP during the contract but cannot be provided post end of contract for 5 Years.</p> <p>Request you to delete "<i>At the end of the contract</i>" line from the clause.</p>	<p>In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.</p>
57.	GCC/SCC 22.2.1, Section-V,	<p>In the event a Smart Meter supplied and installed by the Contractor is damaged for reasons not attributable to the Contractor</p>	<p>We request that the duration of replacement of smart meter shall be in line with SBD i.e. 15 days instead</p>	<p>In this regard, the provisions of the Bidding Documents shall remain unchanged.</p>

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	Vol.-I of the Bidding Documents	such as theft, vandalism, burning, etc or as a result of Force Majeure Event, the Contractor shall not be liable for such damage. In such cases, upon receipt of Notice from the Employer/Utility, the Contractor shall repair or replace the damaged Smart Meters. Contractor shall be required to replace the Smart Meter no later than 5 days of notification by the Employer/Utility. The payment towards such replaced meters shall be as per Appendix-1 ( <i>Terms and Procedure of Payment</i> ).	of 5 days.  Kindly amend the clause accordingly.	
58.	GCC/SCC 28.1, Section-V, Vol.-I of the Bidding Documents	The Contractor shall be responsible for the care and custody of the Facilities or any part thereof until the date of Handing Over of Solution to Utility pursuant to GCC Clause 20, and shall make good at its own cost any loss or damage that may occur to the Facilities from any cause whatsoever during such period. The Contractor shall also be responsible for any loss or damage to the Facilities caused by the Contractor or its Subcontractors in the course of any work carried out, pursuant to GCC Clause 22.  .....	The Facilities is being owned or under possession of the Employer, so during which period it would have been deploying other thrid party sub-contractors performing other part of the work. In case alongwith those personnels of employer or their sub-contractor, if there is any loss or damage being caused to Facilities, then Contractor would not be solely responsible for such loss or damage being caused at the Facilities.	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.  Bidders are further requested to note that provisions of Section-IV (GCC) are required to be read in conjunction with provisions of Section-V (SCC) as brought-out in Preamble to GCC.

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59.	GCC/SCC 29.1, Section-V, Vol.-I of the Bidding Documents	The Contractor shall indemnify and hold harmless the Employer/ <b>Utility</b> and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, in respect of the death or injury of any person or loss of or damage to any property (other than the Facilities whether accepted or not), arising in connection with the supply and installation of the Facilities and by reason of the negligence of the Contractor or its Subcontractors, or their employees, officers or agents, except any injury, death or property damage caused by the negligence of the Employer, its contractors, employees, officers or agents.	We request for a similar mutual indemnity from the Employer, as a Contractor to the Facilities belonging to the Employer would invariably lead to similar act of negligence thereby causing loss and liability for Contractor, for which Employer would need to be responsible and hold Contractor harmless and indemnify for the loss suffered.	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.  Bidders are further requested to note that provisions of Section-IV (GCC) are required to be read in conjunction with provisions of Section-V (SCC) as brought-out in Preamble to GCC.
60.	GCC/SCC 30, Section-IV and V, Vol.-I of the Bidding Documents	To the extent specified in the corresponding Appendix-3 (Insurance Requirements) to the Contract Agreement, the Contractor shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the	As the AMI end to end solution is bidder obligation, it is requested that Bidder shall be free to choose the type of Insurance required as per the AMI project as the insurance can be specific for AMI projects.	In this regard, the provisions of the Bidding Documents shall remain unchanged.

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		<p>Contract, the insurances set forth below in the sums and with the deductibles and other conditions specified in the said Appendix. The identity of the insurers and the form of the policies shall be subject to the approval of the Employer, who should not unreasonably withhold such approval.</p> <p>.....</p>		
61.	GCC/SCC 30.1(b) (IV), Section-V, Vol.-I of the Bidding Documents	<p>Third Party Liability cover with cross Liability within Geographical limits of India as on ADD-on cover to the basic EAR cover:</p> <p>The third party liability add-on cover shall cover bodily injury or death suffered by third parties (including the Employer's personnel) and loss of or damage to property (including the Utility's/Employer's property and any parts of the Facilities which have been accepted by the Utility/Employer) occurring in connection with supply and installation of the Facilities.</p>	<p>The Third Party Liability insurance that is being taken are usually to protect the act of third party against the personnel of Contractor, so not sure how would the property of Employer be insured by the Contractor, since insurance is provided only to the owner of the property.</p>	<p>In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.</p> <p>Bidders are further requested to note that provisions of Section-IV (GCC) are required to be read in conjunction with provisions of Section-V (SCC) as brought-out in Preamble to GCC.</p>
62.	GCC 32.1, Section-IV, Vol.-I of the	<p>"Force Majeure" shall mean any event beyond the reasonable control of the Employer or of the Contractor, as the</p>	<p>We request you to kindly add 'pandemic' &amp; 'pandemic event resulting in quarantine restrictions' as</p>	<p>In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.</p>

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	Bidding Documents	case may be, and which is unavoidable notwithstanding the reasonable care of the party affected, and shall include, without limitation, the following:  .....	natural force majeure event.	
63.	GCC 33.1.1, Section-IV, Vol.-I of the Bidding Documents	Subject to GCC Sub-Clauses 33.2.5 and 33.2.7, the Employer shall have the right to propose, and subsequently require, that the Project Manager order the Contractor from time to time during the performance of the Contract to make any change, modification, addition or deletion to, in or from the Facilities (hereinafter called "Change"), provided that such Change falls within the general scope of the Facilities and does not constitute unrelated work and that it is technically practicable, taking into account both the state of advancement of the Facilities and the technical compatibility of the Change envisaged with the nature of the Facilities as specified in the Contract.	As stated earlier any change that is being proposed by the Employer would need to be within the ambit and scope of the Project agreed herein. Such changes if proposed shouldn't involve additional cost or enhance the scope of work for the Contractor as it otherwise lead to escalation of cost thereby leading the same as unviable for the Contractor to perform as per the terms of the Tender.	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.
64.	GCC/SCC 33.2.3, Section-V, Vol.-I of the	Percentage for the Change Proposal under this Clause shall be limited to [-20%] to [+40%]	We request to modify the clause and limit the variations as below:  Percentage for the Change Proposal	Refer Amendment No 2 in this regard.

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	Bidding Documents		under this Clause shall be limited to [-20%] to [+20%]	
65.	GCC 35.1, Section-IV, Vol.-I of the Bidding Documents	The Employer may request the Project Manager, by notice to the Contractor, to order the Contractor to suspend performance of any or all of its obligations under the Contract. Such notice shall specify the obligation of which performance is to be suspended, the effective date of the suspension and the reasons therefor. The Contractor shall thereupon suspend performance of such obligation (except those obligations necessary for the care or preservation of the Facilities) until ordered in writing to resume such performance by the Project Manager.  .....	Any suspension of Service would invariably increase the cost for the Contractor as they would be deploying their resources towards provisioning of Scope as agreed between Parties. Therefore any suspension even if it may be for a limited period would thus be an additional burden for the Contractor as the resources deployed will be subjected to cost on which no recovery of monies haven't been done for such period.	In this regard, the provisions of the Bidding Documents inter-alia at GCC Clause 35.2 are amply clear and shall remain unchanged.
66.	GCC/SCC 36.1, Section-V, Vol.-I of the Bidding Documents	Termination for Employer's Convenience  36.1.1 The Employer may at any time terminate the Contract for any reason by giving the Contractor a notice of termination that refers to this GCC Sub-Clause 36.1.	There is no provision in the RFP for termination on Utility's Event of Default. It may be noted that SBDs notified by the Ministry of Power also envisage separate clause for termination for Utility Event of Default.	Refer Amendment No 2.



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		.....	It is requested that Utility Event of Default to be defined. Further Event of default of Employer should also be added in this provision of the Contract.  Kindly insert the Utility's Event of Default and Event of Default of Employer in the contract.	
67.			Please provide detailed terms and condition in case of Termination by AMISP on Utilits event of default.	Refer Amendment No 2.
68.	GCC 36.1, Section-IV, Vol.-I of the Bidding Documents	<b>36. Termination</b> 36.1 Termination for Employer's Convenience	This imposes high risk on bidder. Request you to kindly delete the clause.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
69.		36.1.1 The Employer may at any time terminate the Contract for any reason by giving the Contractor a notice of termination that refers to this GCC Sub-Clause 36.1.  .....	Any termination of contract by Employer should only be due to breach of the terms of contract signed between Parties, otherwise the other party's loss would need to be duly compensated due to the huge capex incurred by Contractor.	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.
70.	GCC 36.1.3, Section-V,	In the event of termination of the Contract under GCC Sub-Clause 36.1.1, the	Any cost for preliminary termination of the contract cannot be directly	In this regard, the provisions of the Bidding Documents shall remain

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	Vol.-I of the Bidding Documents	Employer shall pay to the Contractor the following amounts:  .....	associated to the work performed till the date of termination, as there may be certain associated costs which would only be known to the Contractor and may be used for performing the Service for which the Employer need to check before concluding any payment due to the Contractor.	unchanged.
71.	GCC 38.2, Section-IV, Vol.-I of the Bidding Documents	If the parties fail to resolve such a dispute or difference by mutual consultation at the execution site level, then the dispute shall be referred by the Contractor to the Project Manager, who, within a period of thirty (30) days after being requested by Contractor to do so, shall give written notice of his decision.	The Project Manager designated herein is an employee of the Employer and therefore any decision for dispute or difference raised by the Contractor would always be favouring the Employer, as due to their employment commitment. Further its an agreed principal of law that a party to a dispute cannot adjudicate their own matter of dispute.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
72.	GCC 38.2.1, Section-IV, Vol.-I of the Bidding Documents	The decision/instruction of the Project Manager shall be deemed to have been accepted by the Contractor unless notified by the Contractor of his intention to refer the matter for Arbitration within thirty (30) days of such decision/instruction.	The decision / instruction of the Project Manager cannot be made applicable on Parties, unless both Parties are agreeable to the decision provided, as this is very unlikely. Further the period of 30 days to revert is a shorter period for any	In this regard, the provisions of the Bidding Documents shall remain unchanged.

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			party to consider.	
73.	GCC 38.2.2, Section-IV, Vol.-I of the Bidding Documents	In the event the Project Manager fails to notify his decision as aforesaid within thirty (30) days, the Contractor, if he intends to go for Arbitration, shall notify his intention to the Project Manager within 30 days of expiry of the first mentioned period of thirty days failing which it shall be deemed that there are no dispute or difference between the Employer and the Contractor.	The whole aspect of bringing in the Project Manager seems to be intended for delaying the Contractor from directly approaching Arbitrator for an award. Also the applicability of going through the Project Manager is only for Contractor and similar process or procedure is not being proposed or made applicable for Employer.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
74.	GCC 39.2, Section-IV, Vol.-I of the Bidding Documents	..... The sole Arbitrator shall be chosen from a panel of empanelled Arbitrators maintained by POWERGRID. The same shall comprise of retired Judges and retired Senior executives of PSUs other than POWERGRID. Further, the choice of sole Arbitrator shall be governed by the amount of claim in the following manner:  .....	The appointment of arbitrator would need to be without any restriction, which in this case is made applicable as the Contractor is being asked to choose Arbitrator from the empanelled list of Employers. This could lead to biasness.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
75.	GCC 39.2, Section-IV, Vol.-I of the	.....  (a) In case of invocation of arbitration	This is clearly evident that the arbitration proposed herein would be favouring POWERGRID since they	In this regard, the provisions of the Bidding Documents shall remain unchanged.

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	Bidding Documents	<p>by POWERGRID, POWERGRID shall, within 30 days, send a list of names of 3 arbitrators from its list/database of Arbitrators and the contractor shall within the period of further 30 days select any one person to act as "Sole Arbitrator", which will be confirmed by POWERGRID and matter will be referred to such appointed Arbitrator for further arbitration proceedings.</p> <p>.....</p>	<p>would be proposing the names of the 3 arbitrators and Contractor would be bound to select only the names proposed herein.</p>	
76.	GCC 39.2, Section-IV, Vol.-I of the Bidding Documents	<p>.....</p> <p>(b) In case of invocation of arbitration by the Contractor, the Contractor shall request POWERGRID for its database of Arbitrators/ chose from the list of Arbitrators available on POWERGRID's website, and the contractor shall, within 30 days, select any one Arbitrator from the above to act as "Sole Arbitrator", which will be confirmed by POWERGRID within 30 days and matter will be referred to such appointed</p>	<p>Empanelled list of Arbitrators of PowerGrid would not be a fair form of jurisprudence as the matter would be favouring PowerGrid due to restriction imposed for appointment</p>	<p>In this regard, the provisions of the Bidding Documents shall remain unchanged.</p>

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		Arbitrator for further arbitration proceedings. .....		
77.	GCC 39.2, Section-IV, Vol.-I of the Bidding Documents	..... If the parties fail to appoint sole arbitrator within sixty (60) days after receipt of a notice from the other party invoking Arbitration, the appointment of sole arbitrator shall be done by Courts as per the provisions of Indian Arbitration and Conciliation Act, 1996 or any statutory modification thereof.	Ideally this clause should be made applicable for all matter of dispute or differences between Parties and the earlier steps stated herein should be dissolved.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
78.	Annexure-I to SCC (Exit Management), Section-V (SCC) of the Bidding Documents	..... In case of contract being terminated by Utility, Utility reserves the right to ask AMISP to continue running the project operations for a <b>period of 3 months</b> after termination orders are issued. In case of contract being terminated by AMISP, Utility reserves the right to ask the AMISP to continue running the project operations for a <b>period of 6 (six) months</b> after termination notice is served by AMISP. In such case, payments during the Exit	It should be 3 months in both cases to avoid discrimination.	In this regard, the provisions of the Bidding Documents shall remain unchanged.

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		Management Period shall be made in accordance with the Article 5.2 and 10.5 (as the case may be) of the SBD.  .....		
79.	Appendix-II (SCC), Section-V, Vol.-I of the Bidding Documents	Appendix-II (SCC)  An illustration of the methodology for determining the 'Total Meter-Months' as well as 'Operation and Maintenance Period of the AMI system' is provided herein below:  .....	The Table mentioned does not clearly define the meter-months. For eg. In 10th month, total meters installed are 1,40,000 and meter months are 95000. But it should be $50000 \times 2 + 45000 \times 1 = 1,45,000$ meter-months. Kindly clarify the same for complete table.	Illustration of the methodology for determining 'Total Meter-Months' mentioned at Appendix-II (SCC) is amply clear.
80.	Form No 2 (BID SECURITY FORM), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	.....  <u>Note:</u>  1. In case the bid is submitted by a Joint Venture, the bid security shall be <b>in the name of the Joint Venture</b> and not in the name of the Lead Partner or any other Partner(s) of the Joint Venture.  .....	"Suppose bidder "X" is quoting in JV with bidder "Y". "X" is lead bidder and bid is being submitted by "X" on behalf of JV. We understand that Bank Guarantee issued by Bank in the name of "X" is acceptable. Since there is no new name allotted to JV. Hope it is acceptable.  Remarks:- Bank will not issue Bank Guarantee in the name of X & Y because there is no banking line at the time of Bid."	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
81.	Clause 1.1.1 of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<p>1.1 <b>Supply of Goods Portion</b></p> <p>1.1.1 <b><u>For Smart Meters, Communication Module/ NIC Card, NOMC and Infrastructure for Recharge i.e. Part-A, Part-B, Part-D and Part-E, respectively of Price Schedule-1 of the Price Schedule</u></b></p> <p><b>A. Interest Bearing Initial Advance (Optional) Five percent (05%):</b> .....</p>	<p>The current payment milestone for supply of goods will affect the bidders cashflow and will increase cost of capital. Our submission is to modify the payment milestone as follows:</p> <p>5% as Interest Bearing Advance 70% on Receipt of Material 15% on Installation prorata basis 10% on Project Go Live</p>	In this regard, the provisions of the Bidding Documents shall remain unchanged.
82.	Clause 1.1.1 (B.2) of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<p><b>B. Progressive Payment</b></p> <p>B.1 <b>Thirty Five Percent (35%)**#</b> of the Ex-Works price component shall be paid on successful completion of inspection and testing of the materials/items and on submission of documents indicated hereinunder .....</p> <p><b>Minimum lot size for making payment application towards Progressive Payment under this</b></p>	Please clarify the timeline for raising each invoice i.e. whether monthly or quarterly. Also, clarify if the invoice has to be raised after 6 months from completion of work.	For applicable payments as per Clause 1.1.1 (B.2) of Appendix-1 (Terms and Procedures of Payment), bidders shall raise requisite invoice(s) on monthly basis.
83.	Clause		To complete the project in time	Refer Amendment No 2 in this regard.

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	1.1.1(B.1) of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<b>clause is 1 Lakh nos. of meters.</b> B.2 <b>Thirty Percent (30%)</b> # of the Ex-Works price component shall be paid on successful installation, integration and Go-live of Smart Meters in the AMI System and on issuance of Certification of Go-Live by the Utility, and on successful completion of quality check point involved in Installation, submission of the details of items, components, raw materials, services etc. procured/availed from MSEs, if any, for the preceding 6 months, in respect of all the contracts in the respective executing Region of POWERGRID as per format enclosed at Section VI, Forms, Volume-I of the bidding documents and certification by Employer's representative. This payment shall be made progressively on successful Go-Live of Meters.	bound manner, meters could be delivered in smaller lots of 25,000 meters as well. However, the lot size could be in multiples of 25,000 nos. depending on the project phasing and manufacturing.  .....Minimum lot size for making payment application towards Progressive Payment under this clause is <del>4 Lakh</del> 25,000 nos. of meters	
84.			Please delete this clause and allow payment on Go Live of each 25000 meters or in multiple of 25000 meters.	Refer Amendment No 2 in this regard.
85.			We understand that 35% percent payment will be paid along with 100% GST. <b>Kindly clarify.</b>	In this regard, the provisions of the Bidding Documents inter-alia at Clause 3 of Appendix-1 (TERMS AND PROCEDURES OF PAYMENT) are amply clear.
86.	Clause 1.1.1 of Appendix-1 (Terms and Procedures of Payment), Section-VI	C Final Payment C.1 The balance <b>Thirty Percent</b>	Kindly Modify the Payment terms as below:  <b>1. TERMS OF PAYMENT FOR CAPEX PORTION</b>	In this regard, the provisions of the Bidding Documents shall remain unchanged.



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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	(Sample Forms and Procedures), Vol.-I of the Bidding Documents	(30%)# of the Ex-works price component shall be paid as per following:  .....	<p><b>1.1 Supply of Goods Portion</b></p> <p><b>1.1.1 For Smart Meters, Communication Module/ NIC Card, NOMC and Infrastructure for Recharge i.e. Part-A, Part-B, Part-D and Part-E, respectively of Price Schedule-1 of the Price Schedule</b></p> <p>A. Interest <b>Bearing Free</b> Initial Advance (Optional) Five percent (05%):</p> <p><b>B Progressive Payment</b></p> <p><b>B.1 Thirty Sixty Five Percent (35% 65%)</b> - of the Ex-Works price component shall be paid on successful completion of inspection and testing of the materials/items and on submission of documents</p> <p><b>B.2 Thirty Twenty Percent (30% 20%)</b> - of the Ex-Works price component shall be paid on successful installation, integration and Go-live of Smart Meters in the AMI System and on issuance of Certification of Go-Live by the Utility</p>	

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
			<p><b>C Final Payment</b></p> <p><b>C.1 The balance—Thirty Ten Percent (30% 10%)</b> - of the Ex-works price component shall be paid as per following:</p> <p><b>C.1.i Fifteen Ten Percent (15% 10%)</b> - of the Ex-Works price component shall be paid on achievement of Installation Milestone against submission of an unconditional &amp; irrevocable Bank Guarantee for amount paid so that Bank Guarantee available with the Employer is of cumulative value of amount paid on this account</p> <p><del><b>C.1.ii Ten Percent (10%)</b>—of the Ex-works price component shall be paid after Installation Milestone in equal installments of 1.25% on yearly basis In case, the Contractor opts not to 15% of the final payment against Bank Guarantee specified in 1.1.1C.1.i above, then this payment shall be as per following: Twenty Five Percent (25%)</del></p>	

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
			<del>C.1.iii Five Percent (5%) of the Ex-works price component shall be paid at the end of the Contract Period</del>	
87.	Clause 1.1.1(C.1.i) of Appendix-1 (TERMS AND PROCEDURES OF PAYMENT), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<b>Fifteen Percent (15%)#</b> of the Ex-Works price component shall be paid on achievement of Installation Milestone against submission of an unconditional & irrevocable Bank Guarantee for amount paid so that Bank Guarantee available with the Employer is of cumulative value of amount paid on this account, initially valid upto 06 months beyond end of the Contract Period and shall be extended from time to time in the event of extension of Contract Period. The aforesaid Bank Guarantee shall be allowed to be reduced twice by 5% in every two and half year after achievement of Installation Milestone.	Since this payment will be made after achieving installation, milestone. Please delete the Bank Guarantee Submission clause for this payment as contractor will already be submitting various PBGs also payment for different component will already be lying with employer.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
88.	Clause 1.1.2 of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample	<b>1.1.2 For Software i.e. Part-C of Schedule-1 of the Price Schedule</b> A Progressive Payment A.1 <b>Five Percent (5%)#</b> of the Ex-	The above capex payment milestone for supply of software will affect the bidders cashflow and will increase cost of capital. Our submission is to modify the payment milestone as follows:	In this regard, the provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	Forms and Procedures), Vol.-I of the Bidding Documents	works price component shall be paid on successful completion of Integrated Factory Acceptance Test (FAT) as per Technical Specifications .....	5% on FAT 5% Go Live of 20% Meters 60% on Go Live of 40% Meters 30% yearly 10% after installation milestone	
89.		<p><b>A.2 Five Percent (5%)#</b> of the Ex-Works price component shall be paid on successful on Go-Live of first 20% Meters under the Contract .....</p> <p><b>A.3 Ten Percent (10%)#</b> of the Ex-Works price component shall be paid on successful on Go-Live of next 40% Meters .....</p> <p><b>B Final Payment</b></p> <p><b>B.1 The balance Eighty Percent (80%)#</b> of the Ex-works price component shall be paid in equal installments of ten percent (10%) on yearly basis after Installation Milestone .....</p>	<p>Please note these are services component and major resource deployment will be during the Implementation phase only.</p> <p>Request to please amend this clause in line with PGCIL is paying towards Meters Installation payments.</p> <p>Request to modify the software services payment terms as below –</p> <ul style="list-style-type: none"> <li>• 5% on after installation of HES on Cloud Infra</li> <li>• 5% after Integration pf HES with MDM and 10% Meter Go-Live</li> <li>• 10% after Next 10% Meters GO-live</li> <li>• 80% on pro-rate basis after Meters reporting to HES &amp; MDM in the lot size of 25,000.</li> </ul>	In this regard, the provisions of the Bidding Documents shall remain unchanged.

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
90.	Clause 1.1.2(A) of Appendix-1 (TERMS AND PROCEDURES OF PAYMENT), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents		Please pay at least 70% of the software payment upto Go-Live.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
91.	Clause 1.1.2 and 1.1.3 of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<p><b>1.1.2 For Software i.e. Part-C of Schedule-1 of the Price Schedule</b></p> <p>A Progressive Payment</p> <p>A.1 <b>Five Percent (5%)#</b> of the Ex-works price component shall be paid on successful completion of Integrated Factory Acceptance Test (FAT) as per Technical Specifications .....</p> <p><b>A.2 Five Percent (5%)#</b> of the Ex-</p>	<p><b>1.1.2 For Software i.e. Part-C of Schedule-1 of the Price Schedule</b></p> <p><b>A Progressive Payment</b></p> <p><b>A.0 Interest Free Initial Advance (Optional) Five Ten percent (05% 10%):</b></p> <p><b>A.1 Five Thirty Five Percent (5% 35%)</b> - of the Ex-works price component shall be paid on successful completion of Integrated Factory Acceptance Test (FAT)</p>	In this regard, the provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
		<p>Works price component shall be paid on successful on Go-Live of first 20% Meters under the Contract .....</p> <p>A.3 <b>Ten Percent (10%)#</b> of the Ex-Works price component shall be paid on successful on Go-Live of next 40% Meters .....</p> <p>B Final Payment</p> <p>B.1 The balance <b>Eighty Percent (80%)#</b> of the Ex-works price component shall be paid in equal installments of ten percent (10%) on yearly basis after Installation Milestone .....</p> <p><b>1.1.3 <u>For Service Cable and Instrument Transformers i.e. Part-F and Part-G of Schedule-1 of the Price Schedule</u></b></p> <p>A Progressive Payment</p> <p><b>Seventy Percent (70%)#</b> of the Ex-works price component shall be paid on supply, successful</p>	<p><b>A.2 Five Thirty Percent (5% 30%)</b> - of the Ex-Works price component shall be paid on successful on Go-Live of first 20% Meters under the Contract &amp; its certification</p> <p><b>A.3 Ten Fifteen Percent (10% 15%)</b> - of the Ex-Works price component shall be paid on successful on Go-Live of next 40% Meters under the Contract &amp; its certification</p> <p><b>B Final Payment</b></p> <p><b>B.1 The balance Eighty Ten Percent (80% 10%) -of the Ex-Works price component shall be paid on successful on Go-Live of next 100% Meters under the Contract &amp; its certification</b> of the Ex-works price component shall be paid in equal installments of ten percent (10%) on yearly basis after Installation Milestone and on submission of Tax Invoice</p> <p><b>1.1.3 For Service Cable and Instrument Transformers i.e. Part-</b></p>	

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
		<p>completion of erection, testing and commissioning of the individual Instrument Transformer and on certification of the same by the Employer's representative and on ..... Invoice as per GST Act.</p> <p><b>Seventy Percent (70%)#</b> of the Ex-works price component of Service Cable shall be paid on Successful completion of erection, testing and commissioning of individual Circuit and on certification of the same by the Employer's representative and on successful ..... Invoice as per GST Act.</p> <p>B Final Payment</p> <p>B.1 The balance <b>Thirty Percent (30%)#</b> of the Ex-works price component shall be paid as per following:</p> <p>B.1.i <b>Twenty Five Percent (25%)#</b> of the Ex-works price component shall be paid after Installation</p>	<p><b>F and Part-G of Schedule-1 of the Price Schedule</b></p> <p>A Progressive Payment <b>Seventy Ninety Percent (70% 90%) on prorata-</b> of the Ex-works price component shall be paid on supply, successful completion of erection, testing and commissioning of the individual Instrument Transformer and on certification of the same <b>Seventy Ninety Percent (70% 90%) on prorata-</b> of the Ex-works price component of Service Cable shall be paid on Successful completion of erection, testing and commissioning of individual Circuit and on certification of the same</p> <p><b>B Final Payment</b></p> <p><b>B.1 The balance Thirty Ten Percent (30% 10%) - on Go-live of the Ex-works price component shall be paid as per following:</b></p> <p><b><del>B.1.i Twenty Five Percent (25%)-- of the Ex-works price component shall be paid after Installation</del></b></p>	

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
		<p>Milestone in equal installments of 3.4% on yearly basis. After release of various instalments, final reconciliation of this Payment shall be done at the end of the Contract Period <i>(after successful execution of Exit Management Plan)</i> and accordingly payment shall be adjusted.</p> <p>B.1.ii <b>Five Percent (5%)</b># of the Ex-works price component shall be paid at the end of the Contract Period <i>(after successful execution of Exit Management Plan)</i>.</p> <p>.....</p>	<p><del>Milestone in equal installments of 3.4% on yearly basis</del></p> <p><del>B.1.ii Five Percent (5%) of the Ex-works price component shall be paid at the end of the Contract Period</del></p>	
92.	Clause 1.2.1 of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding	<p><b><u>1.2.1 For Smart Meters, Communication Module/ NIC Card, NOMC, Infrastructure for Recharge and Consumer Indexing i.e. Part-A, Part-B, Part-D, Part-E and Part-F, respectively of Schedule-2 of the Price Schedule</u></b></p> <p><b>A. Progressive Payment</b></p>	<p><b>1.2 Supply of Services Portion: Price Component for Meter Installation</b></p> <p>1.2.1 For Smart Meters, Communication Module/ NIC Card, NOMC, Infrastructure for Recharge and Consumer Indexing i.e. Part-A, Part-B, Part-D, Part-E and Part-F, respectively of Schedule-2 of the</p>	In this regard, the provisions of the Bidding Documents shall remain unchanged.



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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	Documents	<p><b>Seventy percent (70%)#</b> of the Installation price component shall be paid on successful installation, integration and Go-live of Smart Meters in the AMI System and on issuance of Certification of Go-Live by the Utility, .....made progressively on successful Go-Live of Meters.</p> <p>.....</p> <p>B Final Payment</p> <p>B.1 The balance <b>Thirty Percent (30%)#</b> of the Installation price component shall be paid as per following:</p> <p>B.1.i <b>Fifteen Percent (15%)#</b> of the Installation price component shall be paid on achievement of Installation Milestone against submission of an unconditional &amp; irrevocable Bank Guarantee for amount paid so that Bank Guarantee ..... after achievement of Installation Milestone.</p>	<p><b>Price Schedule</b></p> <p><b>A. Progressive Payment</b>  <b>Seventy percent (70%)</b> - of the <b>Meter</b> Installation price component shall be paid on successful installation, integration and Go-live of Smart Meters in the AMI System and on issuance of Certification of Go-Live by the Utility</p> <p><b>B Final Payment</b>  <b>B.1 The balance Thirty Percent (30%)</b> - of the <b>Meter</b> Installation price component shall be paid as per following:</p> <p><b>B.1.i Fifteen Percent (15%)</b> - of the Installation price component shall be paid on achievement of Installation Milestone against submission of an unconditional &amp; irrevocable Bank Guarantee</p> <p><b>B.1.ii Ten Percent (10%)</b> - of the <b>Meter</b> Installation price component shall be paid after Installation Milestone in equal installments of 1.25% on yearly basis.</p>	

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
		<p>B.1.ii <b>Ten Percent (10%)</b>#\$ of the Installation price component shall be paid after Installation Milestone in equal installments of 1.25% on yearly basis. .... and accordingly payment shall be adjusted.</p> <p>.....</p> <p>B.1.iii <b>Five Percent (5%)</b>#\$ of the Installation price component shall be paid at the end of the Contract Period <i>(after successful execution of Exit Management Plan)</i>.</p> <p>.....</p>	<p>In case, the Contractor opts not to 15% of the final payment against Bank Guarantee then this payment shall be Twenty Five Percent (25%) of the Installation price component shall be paid after Installation Milestone in equal installments of 3.4% on yearly basis</p> <p><b>B.1.iii Five Percent (5%)</b> - of the <b>Meter</b> Installation price component shall be paid at the end of the Contract Period</p>	
93.	Clause 1.2.1(A) of Appendix-1 (TERMS AND PROCEDURES OF PAYMENT), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	.....	We understand 70% of the installation price component along with 100% GST shall be paid..... Go-Love of meters.	In this regard, the provisions of the Bidding Documents inter-alia at Clause 3 of Appendix-1 (TERMS AND PROCEDURES OF PAYMENT) are amply clear.

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
94.	Clause 1.2.1 (B.1.i) of Appendix-1 (TERMS AND PROCEDURES OF PAYMENT), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents		Since this payment will be made after achieving installation, milestone. Please delete the Bank Guarantee Submission clause for this payment as contractor will already be submitting various PBGs also payment for different component will already be lying with employer.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
95.	Clause 1.2.2 and 1.3 of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<p><b><u>1.2.2 For Software i.e. Part-C of Schedule-2 of the Price Schedule</u></b></p> <p>A Progressive Payment</p> <p>A.1 <b>Five Percent (5%)#</b> of the Installation price component shall be paid on successful completion of Integrated Factory Acceptance Test (FAT) as per Technical Specifications ..... from the Employer; (d) Software Licenses.</p>	<p><b>1.2.2 For Software i.e. Part-C of Schedule-2 of the Price Schedule</b></p> <p>A Progressive Payment</p> <p><b>A.1 Five Percent (5%)</b> - of the Installation price component shall be paid on successful completion of Integrated Factory Acceptance Test (FAT)</p> <p><b>A.2 Five Percent (5%)</b> - of the Installation price component shall be paid on successful on Go-Live of first 20% Meters under the Contract &amp; its</p>	In this regard, the provisions of the Bidding Documents shall remain unchanged.

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
		<p><b>A.2 Five Percent (5%)#</b> of the Installation price component shall be paid on successful on Go-Live of first 20% Meters under the Contract ..... as per GST Act.</p> <p>.....</p> <p><b>A.3 Ten Percent (10%)#</b> of the Installation price component shall be paid on successful on Go-Live of next 40% Meters under the Contract &amp; its certification by the Employer and on submission of Contractor's Tax Invoice as per GST Act.</p> <p><b>B Final Payment</b></p> <p><b>B.1 The balance Eighty Percent (80%)#</b> of the Installation price component shall be paid in equal installments of ten percent (10%) on yearly basis after Installation Milestone and on submission of Tax ..... payment shall be adjusted.</p>	<p>certification</p> <p><b>A.3 Ten Percent (10%)</b> - of the Installation price component shall be paid on successful on Go-Live of next 40% Meters under the Contract &amp; its certification</p> <p><b>B Final Payment</b></p> <p><b>B.1 The balance Eighty Percent (80%)</b> - of the Installation price component shall be paid in equal installments of ten percent (10%) on yearly basis after Installation Milestone and on submission of Tax Invoice as per GST Act</p> <p><b>1.3 Training Charges</b> Training Charges shall be paid on successful completion of training and on approval of the same by the Employer.</p>	
96.	Clause 1.2.2(A) of Appendix-1 (TERMS AND PROCEDUR ES OF		Please pay at least 70% of the software payment upto Go-Live.	In this regard, the provisions of the Bidding Documents shall remain unchanged.

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	PAYMENT), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<p>.....</p> <p>1.3 Training Charges</p> <p>Training Charges shall be paid on successful completion of training and on approval of the same by the Employer.</p>		
97.	Clause 2 of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<p>2. MISCELLANEOUS PAYMENT</p> <p>In the event a Smart Meter supplied and installed by the Contractor is damaged for reasons not attributable to the Contractor such as theft, vandalism, burning, etc or as a result of Force Majeure Event, the Contractor shall not be liable for such damage. In such cases, upon receipt of Notice from the Employer/Utility, the Contractor shall repair or replace the damaged Smart Meters. Contractor shall be required to replace the Smart Meter no later than 5 days of notification by the Employer/Utility. Upon replacing such Smart Meters, <b>Contractor shall be entitled to raise a supplementary invoice for the amount mutually agreed between Contractor and the Employer. The Supplementary Bill</b></p>	<p>Clause to be added</p> <p>In the event of Smart Meters supplied and installed by the AMISP is damaged for reasons not attributable to the AMISP such as theft, vandalism, burning, etc. but otherwise than as a result of Force Majeure Event, the AMISP shall not be liable for such damage. Upon replacing the Smart Meter AMISP shall be entitled to raise a supplementary invoice for <b>100% of the replacement and installation cost supported by suitable invoices.</b></p>	<p>In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.</p>

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
		<p><b>shall be paid along with the amount due to be paid towards Contractor O&amp;M Charges, for the immediately succeeding month.</b> For the avoidance of doubt: (i) a damaged meter(s) shall be excluded from the total numbers installed and operational smart meters while conducting the SLA audit of the AMI system in accordance with GCC Clause 23; and (ii) in the event, Contractor replaces the Meter within 5 days of request by the Employer/Utility or Employer/Utility directs to continue operations without replacing the damaged Meter, the Contractor Service Charge <i>qua</i> such meter(s) shall be paid as if such damaged meter complies with the SLA prescribed in this Contract.</p> <p>.....</p>		
98.	Clause 4 of Appendix-1 (TERMS AND PROCEDURES OF PAYMENT), Section-VI (Sample	<p>.....</p> <p>A bid shall be determined as unbalanced/front loaded based on the ratio of Price towards Capital Expenditure (CAPEX) to Price towards Operational Expenditure (OPEX). As such, a bid shall be considered front loaded or unbalanced</p>	Please revised the ratio as 80:20 as 30% O&M is to high. All other boards restrict O&M to minimum 20% of the total project cost.	In this regard, the provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

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	Forms and Procedures), Vol.-I of the Bidding Documents	if the percentage of Contract Price for OPEX portion to Total Contract Price (i.e. CAPEX + OPEX) quoted by the bidder is less than 30%. .....		
99.	Clause 5.1 of Appendix-1 (Terms and Procedures of Payment), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	..... All payments to be made directly to the Contractor shall be made by the Employer though electronic payment mechanism (e-payment) for which necessary details shall be tied up during execution of the Contract. However, a request for payment to be released through cheque shall be considered on case to case basis and merit of the same. .....	There shall be payment security mechanism as the payment is paid till the end of contract period.  So it is requested to add certain payment security mechanism in the form of LC, Escrow, Direct Debit Facility etc.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
100.	Vol.-I of the Bidding Documents	.....	Payment Security Mechanism  • The LC should be backed by standby Escrow Account maintained by Utility .  • This LC Facility can be utilized for factoring as a security mechanism in the favour of bankers by the bidder, subject to permission by the Utility.	In this regard, the provisions of the Bidding Documents shall remain unchanged.
101.	Appendix-4	.....	Please amend it to as 5% or (25000)	In this regard, the provisions of the

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause			Bidder's Query/Comments	POWERGRID'S Reply/Clarification																				
	(TIME SCHEDULE), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<table border="1"> <thead> <tr> <th data-bbox="483 440 579 634">S.No.</th> <th data-bbox="579 440 852 634">Milestone</th> <th data-bbox="852 440 999 634">Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td data-bbox="483 634 579 691">1</td> <td data-bbox="579 634 852 691">.....</td> <td data-bbox="852 634 999 691">.....</td> </tr> <tr> <td data-bbox="483 691 579 748">2</td> <td data-bbox="579 691 852 748">.....</td> <td data-bbox="852 691 999 748">.....</td> </tr> <tr> <td data-bbox="483 748 579 805">3</td> <td data-bbox="579 748 852 805">.....</td> <td data-bbox="852 748 999 805">.....</td> </tr> <tr> <td data-bbox="483 805 579 862">4</td> <td data-bbox="579 805 852 862">.....</td> <td data-bbox="852 805 999 862">.....</td> </tr> <tr> <td data-bbox="483 862 579 1268">5</td> <td data-bbox="579 862 852 1268"> <ul style="list-style-type: none"> <li>.....</li> <li>Delivery, site installation, integration and operationalization of <b>[5%] of Smart Meters</b> each with related hardware, software and equipment and successful operational go-live</li> </ul> </td> <td data-bbox="852 862 999 1268">Within [8] months</td> </tr> <tr> <td data-bbox="483 1268 579 1330">5</td> <td data-bbox="579 1268 852 1330">.....</td> <td data-bbox="852 1268 999 1330">.....</td> </tr> </tbody> </table>	S.No.	Milestone	Timeline (in months from the Effective Date of Contract)	1	.....	.....	2	.....	.....	3	.....	.....	4	.....	.....	5	<ul style="list-style-type: none"> <li>.....</li> <li>Delivery, site installation, integration and operationalization of <b>[5%] of Smart Meters</b> each with related hardware, software and equipment and successful operational go-live</li> </ul>	Within [8] months	5	.....	.....		which ever is less.	Bidding Documents shall remain unchanged.
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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">6</td> <td style="width: 40%; text-align: center;">.....</td> <td style="width: 55%; text-align: center;">.....</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">.....</td> <td style="text-align: center;">.....</td> </tr> <tr> <td style="text-align: center;">8</td> <td style="text-align: center;">.....</td> <td style="text-align: center;">.....</td> </tr> </table> <p>.....</p>	6	.....	.....	7	.....	.....	8	.....	.....		
6	.....	.....											
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8	.....	.....											
102.	Form No 14 (FORM OF POWER OF ATTORNEY FOR JOINT VENTURE), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	<p>.....</p> <p><b>Note:</b></p> <p>1. For the purpose of executing the Agreement, the non-judicial stamp papers of appropriate value shall be purchased <b>in the name of Joint Venture.</b></p> <p>.....</p>	We understand the stamp paper will be in the name of Lead Partner in case there is no new name allotted to JV if JV is participating in the name of Lead bidder on behalf of the JV.	In case of Joint Venture (JV) Bidder, the Stamp Paper issued in the name of any of the partners of the JV shall also be acceptable.									
103.	Form No 15 (FORM OF UNDERTAKING BY THE JOINT VENTURE	<p>.....</p> <p><b>Note:</b></p> <p>1. For the purpose of executing the Joint Deed of Undertaking, the non-judicial stamp papers of</p>		In case of Joint Venture (JV) Bidder, the Stamp Paper issued in the name of any of the partners of the JV shall also be acceptable.									

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	PARTNERS), Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents	appropriate value shall be purchased <b>in the name of Joint Venture.</b> .....		
104.	Form No 21, Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents  [FORM OF JOINT DEED OF UNDERTAKING BY THE BIDDER ALONGWITH THE SUB-CONTRACTOR(S) FOR METER	..... AND WHEREAS Clause No. ...., Section ....., of ....., Vol.-... forming part of the Bid Documents inter-alia stipulates that the Bidder, Meter Manufacturer(s), HES Provider(s) and MDMS Provider(s) must fulfill the Qualifying Requirements for the respective scope of work viz. Smart Meter, Head End System (HES) and Meter Data Management System (MDMS) and <b>be jointly and severally bound and responsible for the successful performance of the offered Advance Metering Infrastructure solution</b> in the event the Bid submitted by the Bidder is accepted by the Employer resulting in a Contract. .....	The joint deed of undertaking by subcontractors of Meter, HES & MDM with Bidder specifies that apart from the subcontractor fulfilling Qualifying requirement of their respective part must also "be jointly and severally bound" for the performance of the entire AMI solution. This is restrictive as legally each subcontractor will be responsible for all the components of the contract which is not technically & commercially feasible.  The explanation given during prebid meeting by Powergrid was that each subcontractor would be responsible for his respective portion only but the language of the deed is otherwise. Request delete the portion "jointly	The successful performance of Advance Metering Infrastructure (AMI) solution depends on successful performance of its various components including Smart Meters, HES, MDMS etc. Accordingly, it is essential that all these vital components of AMI Solution give requisite performance independently as an individual component as well as a member component of an AMI Solution.  Considering the same, the subject Form No 21 (i.e. JDU Format), inter-alia provides for undertaking from the bidder alongwith the Sub-Contractor(s) ( <i>for major Components of AMI Solution</i> ) for successful performance of the AMI Solution.

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	MANUFACTURER, HEAD END SYSTEM (HES) AND METER DATA MANAGEMENT SYSTEM (MDMS)]	In consideration of the award of Contract by the Employer to the Bidder (hereinafter referred to as the "Contract") <b>we, the Bidder/Contractor, Meter Manufacturer(s), HES Provider(s) and MDMS Provider(s) do hereby declare that we shall be jointly and severally bound unto the ..... (insert name of the Employer) ....., for the successful performance of the offered Smart Meters, Head End System (HES) and Meter Data Management System (MDMS) and shall be fully responsible for the design, manufacture, testing, supply on FOR destination delivery at site basis and supervision of unloading at site, storage, erection, installation, integration, testing &amp; commissioning, operation &amp; maintenance and successful performance of the Advance Metering Infrastructure in accordance with the Contract Specifications.</b>  .....	and severally bound" from the deed wherever applicable or accept Manufacturer Authorisation Form only.	It is further clarified that for successful performance of AMI Solution, the bidder alongwith the sub-Contractor for a component shall be jointly and severally bound and responsible for the successful performance of the respective component.  Accordingly, Sub-Contractor(s) for the Meter Manufacturer(s), HES Provider(s), MDMS Provider(s) shall, apart from the Contractor's performance guarantee to be given by the Contractor, furnish a Contract Performance Guarantee, as applicable, in respect of the work covered under their scope as per the provisions of the Bidding Documents.
105.	Form No 28 (FORMAT OF MOU), Section-VI	.....  The MOU shall remain in force initially for a period of six months from the date of	We understand that qualifier bidder may stop down from MOU if contracts are not placed after the MOU period is expired.	In this regard, the provisions of the Bidding Documents are amply clear. It is further clarified that Award(s)/ Contract(s) shall be placed on pre-

**Clarification No.-2 (Commercial Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

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	(Sample Forms and Procedures), Vol.-I of the Bidding Documents	signing of this MOU i.e. upto ....., thereafter the validity of this MOU shall be extended with the mutual agreement by both the Parties. .....		selected bidders only during MoU validity period.
106.	Attachment-3 (QR), Attachment-8 (Manufacturer's Authorization Form), Attachment-20 (Declaration of Key Managerial Person and Power of Attorney holder) to First Envelope Bid, Volume-III of the Bidding Documents	.....	We understand that the common seal means company seal only.	Bidder's understanding is correct in respect of seal to be used in respect of referred Attachments,
107.	Attachment-8 (Manufacturer's Authorization	..... Note :	We understand that bidder need not to submit Power of Attorney from OEM as a supporting document to	In this regard, the provisions of the Bidding Documents are amply clear and shall remain unchanged.

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
	Form) to First Envelope Bid, Volume-III of the Bidding Documents	1. The letter of Undertaking should be on the letterhead of the Manufacturer and should be signed by a person competent and having Power of Attorney to legally bind the Manufacturer. It shall be included by the bidder in its bid.  .....	the format Attachment-8 (Manufacturer's Authorization Form). As it is general practice that OEM will be ready to submit authorisation form in the pre-bid stage but not the power of attorney. Please confirm	
108.	Attachment-14 (Integrity Pact) to First Envelope Bid, Volume-III of the Bidding Documents	.....	Document is missing. Kindly provide the same.	The format of Attachment-14 (Integrity Pact) is provided in the excel file titled ' <i>13_Volume_3_First_Envelope_and_Bid_Forms</i> ' enclosed with the Bidding Documents.
109.	Attachment-14 (Integrity Pact) to First Envelope Bid, Volume-III of the Bidding Documents		Please share format of this integrity pact.	
110.	Attachment-24 to First Envelope Bid, Volume-III of the Bidding Documents	Certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of Local Content, in line with PPP-MII order <b>and MoP order</b> , if applicable <i>[to be submitted on the letter head of the issuer.]</i>	Kindly modify the clause as below:  Certificate from statutory auditor or cost auditor or Company Secretary or Board Director of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of	In this regard, the provisions of the Bidding Documents shall remain unchanged.

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<b>S. No.</b>	<b>Clause No. /Doc. Ref.</b>	<b>Description of Clause</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID'S Reply/Clarification</b>
		.....	Local Content, if applicable, duly signed and stamped on each page, in line with PPP-MII Order and MoP order.	

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
1.	Volume-II- Technical Specifications, Section-2, Clause 9	Meter Box Requirement	Request to consider SMC Meter box instead of Polycarbonate	Refer Amendment No. 2 (Technical Portion) S.No. 1 in this regard.
2.	Volume-II, Section 2, clause 4.5: Other Specifications	Current Rating: 10-60 A / 20-100 A	Request include 10-100A also	The provisions of the Bidding Documents shall remain unchanged.
3.	Volume-II, Section 2, Clause 4.6: Data display facility (auto/manual)	Since, the mentioned project may be implemented in more than one utility. Therefore, the above requirements may be changed as per the requirement of particular utility.	The tamper requirements vary from Utility to Utility. Few tampers require hardware changes also which have a significant impact on cost of the Meter. Any such changes shall be mutually discussed at the time of execution and such price increase shall be accommodated.	Relevant "Anti-tamper features" clauses of Bidding document Volume-II, Section 2 may be referred. The provisions of the Bidding Documents shall remain unchanged for Anti-Tamper Features.
4.	Volume-II, Section 2, Clause 9- Meter Box Requirement	All the meters shall be supplied with meter box, specification of the same shall be as under:	Please confirm whether the given box is to be offered for LTCT Operated and HTCT Operated Smart Meters based on the specifications provided.	All the meters shall be supplied with meter box. Bidding document, Volume-II, Section 2, Clause no. 9 may be referred
5.	Volume-II, Section 9. Clause 1.5.5.7- Unstructured Test	Employer representative can carry out unstructured test not specified in the test procedure. Minimum 25% of the actual time shall be kept reserved for unstructured test.	Request confirm that Unstructured test is not applicable for the Smart Meters. Testing of Smart Meters shall be governed by IS 16444 only.	Clause 1.5.5.7 of TS section 9 may be referred. Unstructured test shall be performed on integrated system.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
6.	Volume-II Section 9, Clause 1.5.6 Dispatch of Material to Site	The Material Inspection Clearance Certificate (MICC) for all hardware shall be issued by Employer only after successful completion of FAT as per specification. For this Contractor is obliged to submit a comprehensive FAT clearance report to the Employer. At least 20 Field Devices for each protocol shall relate to each central system and the remaining Field devices shall be simulated in the factory test environment.	FAT for Smart Meters shall be Acceptance tests as per IS 16444. On successful completion of Acceptance tests as per IS 16444, MICC shall be issued for invoicing & despatch of the Meters and for payment clearance. Despatch shall not be linked to any other tests at field.	Refer Amendment No. 2 (Technical Portion) S.No. 14 in this regard.
7.	Volume-II, Section 11, Clause-1.2 Hardware Documentation Requirements	1. The Contractor has to furnish valid BIS certification before supply of Meters as per IS 2. The Contractor has to furnish valid BIS certification for communication module in Smart Meter as per IS.	IS 16444 covers Smart Meter with Communication module. BIS certificate is issued for the Smart Meter with Communication module. There is no separate BIS certificate for communication module, which please note. Request remove the requirement under sl. No 2.	BIS certificate issued for the Smart Meter with Communication module shall be acceptable.



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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
8.	Volume-II, Section 13, Clause 1.2.1	1.2.1 Smart Meter Course The training course on Smart Meter shall cover atleast the following topics: <ul style="list-style-type: none"> <li>• Meter functionality and methodology to access it.</li> <li>• Measurement parameter and their use</li> <li>• Sensor Interfaces</li> <li>• Calculation Engine – Metering Algorithms.....</li> </ul>	The training on Smart Meters is for end users/ officials of the Utility wherein the Smart Meter applications would be explained. Training on Metering algorithms is not required.	Basics of Metering Algorithms shall be required to impart better understanding of System by Utility personnel.
9.	BOQ		Line items for Smart Meters does not include Box. Please specify whether Box rate should be quoted along with Meter rate.	Refer bidding document, Volume II (Technical Specifications) Section 1, Clause 5 Smart Meters (d). Cost of Smart Meters shall be inclusive of Smart Meter Boxes.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
10.	Vol-II Section-1, Clause 4-Physical and other parameters		<p>Due to non-availability of location of site as well as meteorological data, it is difficult for any bidder to estimate the following:</p> <ul style="list-style-type: none"> <li>• Plant &amp; Equipment for RF / cellular solution</li> <li>• Cloud sizing of HES &amp; MDM</li> <li>• Manpower requirement for services</li> </ul> <p>We request PGCIL to provide the bidder a preliminary data for estimation purpose and to make competitive bid</p>	<p>As brought-out in the Bidding Documents, POWERGRID intends to implement various Advanced Metering Infrastructure ("AMI") Project(s) ("Project(s)") for different DISCOMs/ Power Departments {"Utility (ies)"} in Central and Western India.</p> <p>The details of Utility (ies) for which AMI Project(s) are to be implemented shall be shared with the pre-selected bidders in the event of award.</p> <p>Accordingly, bidders are requested to submit their bid as per the provisions of the Bidding Documents.</p>

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
11.	Volume-II, Section 3, Appendix-I to Section 3, Part I	4.A transparent cover may be used for the purpose, a. To have a sealing arrangement with the meter body as well as b. For easy viewing of LED indicators and antenna assembly without having to open the cover.	We understand that transparent cover requirement is to easy view of LED indicators without having to open cover. In our case NIC cover is opaque but LED indication will be visible without having to open the cover which is in line with the requirement. Hence, we request you to consider Opaque cover and allow the bidder to offer either transparent cover or Opaque cover	The provisions of the Bidding Documents shall remain unchanged.
12.	Volume-II, Section 1, Clause 5-Communication Infrastructure (f)	f) The network Solution deployed by the contractor should have disaster recovery mechanism in place. The redundancy mechanism of HES and MDM and their disaster recovery plan shall also be highlighted by the contractor.	Please confirm if we need to provide redundant systems (licenses) for HES and MDM.	For each utility, two parallel instances shall run in sync in DC-DR of cloud. License provisioning shall be required to be done accordingly.
13.	Volume-II, Section 3 Clause 1.1-Network Management System	b) Apart from real-time monitoring of critical network devices, the above information shall be collected and stored at user configurable periodicities i.e., 5 minutes to 60 minutes. The NMS shall be capable of storing the above data for a period of one (1) year at an interval of 5 minutes.	The SLA assumes the interval of 30 mins. Here the requirement sought to be varying from 5 mins to 60 mins. Please clarify.	Capability of NMS is defined for monitoring network performance. However, SLA calculation shall be as per provisions detailed in Bidding document Volume-II (Technical Specifications) Section 8.

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
14.	Volume –II, Section 4, Clause 3. A. Specifications for Web Server	8. Blue-Ray Drive RW/DVD RW	This is an obsolete feature. Request to delete.	Refer Amendment No. 2 (Technical Portion) S.No. 6 in this regard.
15.	Volume –II, Section 4, Clause 3. B. Workstations Consoles Specifications	7. Blue-Ray Drive RW/DVD RW	This is an obsolete feature. Request to delete.	Refer Amendment No. 2 (Technical Portion) S.No. 7 in this regard.
16.	Volume-II, Section 7, Clause 3.3.9 - Business Continuity Plan & Backup Services a) and b).	Recovery Time Objective (RTO): 1 Hour... Recovery Point Objective (RPO): 30 Mins...	Please consider RTO of 4 hours instead of 1 hour and RPO of 3 hours instead of 30 minutes.	The provisions of the Bidding Documents shall remain unchanged.
17.	Volume-II, Section 2, Clause 13.3- Civil Works	Civil works associated with the installation of the smart meters such as pointing, grouting, mortar touch-ups, carpentry, etc., are to be done by the contractor.	The BOQ mentions supply and installation of several meters of XLPE cables. Please confirm if any of kind of soft soil or hard soil digging is required wherever the XLPE cable laying is to be done.	BOQ is inclusive of installation and associated civil works.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
18.	Volume-II, SECTION 6: SYSTEM INTEGRATION Clause 2: HES Integrations with Field Devices	HES should conform to IEC 61968-9 as well as support CIM 2.0 / MultiSpeak v3.0 standards.	With the evolving technology frameworks and new advancements, integrations of application have become a very easy task. Please note, this will restrict the new innovations in technology advancement, and it is not necessary that legacy applications should support these standards for integrations. We suggest modifying this clause as below – HES should conform to Open standard interfaces such as CIMXML-IEC 61968-9 / IEC 61968-100 /Web Services / XML/ MultiSpeak v3.0 for integration with any third-party applications.	The provisions of the Bidding Documents shall remain unchanged.

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19.	Volume-II, Section 1, Clause 1.1.2: Overview of Project	The project envisages implementation of end-to-end smart prepaid metering in the selected AMI Project area, operating the AMI System for 'Total Meter-months' as defined in this Contract and thereafter transferring the ownership of the entire AMI system including all the meters, communication system (including SIM cards, router etc), all the hardware, software along with its valid licenses, and any data collected during the Project to the Utility at the end of the Contract Period to facilitate seamless operation of Utility businesses. Total volume of Smart Meters under single lot (25 lacs) may be deployed across multiple utilities.	The project envisages implementation of end-to-end smart prepaid metering in the selected AMI Project area, operating the AMI System for 'Total Meter-months' as defined in this Contract and thereafter transferring the ownership of the entire AMI system including all the meters, communication system (including SIM cards, router etc), all the hardware, software along with its valid licenses, and any data collected during the Project to the Utility at the end of the Contract Period to facilitate seamless operation of Utility businesses. However, after closure of contract any applicable recurring cost for operation of AMI system like AMC, ATS, license fee, change request, cloud hosting charges, communication charges, network service provider charges etc. shall be borne by utility. Multiple recurring cost like communication charges, AMC cost, ATS cost, license fees, cloud hosting charges etc. are applicable for operation of AMI system. So beyond the closure of contract AMISP shall not be liable of any of these recurring charges and these shall be borne by utility to continue using the AMI system for their business processes.	The provisions of the Bidding Documents shall remain unchanged. Recurring cost of AMC, Communication and Cloud Services shall be borne by Utility after handover. However, software licenses provided shall be perpetual.
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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
20.	Volume-II, Section 2, Clause 3.2- Basic Features	Pre-paid / Post-paid features at MDM end (as per 15959 part 2) (by default in Prepaid mode)	Pre-paid / Post-paid features at MDM /HES/meter end (as per 15959 part 2) (by default in Prepaid mode)  As per IS-15959 part-2 prepayment facilities shall be achieved at HES end. & CEA "Functional Requirements of Advance Metering Infrastructure (AMI) in India" has provision of prepayment feature at MDM/HES/Meter end.	The provisions of the Bidding Documents shall remain unchanged.
21.	Volume-II, Section 2, Clause 3.5: Other Specifications	Current Rating: 5-30 A or 10-60 A	Current Rating 5-30 A or 10 - 60 A or 5 - 60A Specification should provide the flexibility to provide wide current range provision, to help utility to for better inventory management, rather than having separate variant for 5-30 & 10-60A.	The provisions of the Bidding Documents shall remain unchanged.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
22.	Volume-II, Section 2, Clause 4.2: Basic Features	Pre-paid / Post-paid features at MDM end (as per 15959 part 2) (by default in Prepaid mode)	Pre-paid / Post-paid features at MDM /HES/meter end (as per 15959 part 2) (by default in Prepaid mode)  As per IS-15959 part-2 prepayment facilities shall be achieved at HES end. & CEA's "Functional Requirements of Advance Metering Infrastructure (AMI) in India" gives the provision of prepayment feature in MDM/HES/Meter end.	The provisions of the Bidding Documents shall remain unchanged.
23.	Volume-II, Section 2, Clause 4.5: Other Specifications	Current Rating 10-60 A or 20-100 A	Current Rating 10-60 A or 20-100 A or 10-100A  Specification should provide the flexibility to provide wide current range provision, to help utility to for better inventory management, rather than having separate variant for 10-60 & 20-100A	The provisions of the Bidding Documents shall remain unchanged.



**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
24.	Volume-II, Section 2, Clause 5	Three Phase CT Operated alternating current Smart Meter of Accuracy Class 0.5S (DT Meter, LT-CT Meter etc.)	<p>Three Phase CT Operated alternating current Smart Meter as per IS 16444 par 2 or meters with AMR facility complying to IS 14697 &amp; IS 15959 Part 1 of Accuracy Class 0.5S (DT Meter, LT-CT Meter etc.)</p> <p>Please include provision of meters with AMR facility complying to IS 14697 &amp; IS 15959 Part 1 in the specifications as well</p> <p>Tender shall provide provision for AMR metering for HT/LT-CT/DT/Feeder as following documents -</p> <ol style="list-style-type: none"> <li>1. RDSS base document - which mentions communicable meters for DT and Feeder Meterings.</li> <li>2. BEE Regulations for (Manner and Intervals for Conduct of Energy Audit (Accounting) in Electricity Distribution Companies) Regulations, 2021</li> <li>3. REC Guidelines version - 2 for RDSS</li> <li>4. CEA Metering Regulations 2022</li> </ol>	The provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
25.	Volume-II, Section 2, Clause 6	Three phase CT/PT operated alternating current Smart Meter of Accuracy Class 0.5S/ 0.2S (as applicable)	<p>Three phase CT/PT operated alternating current Smart Meter as per IS 16444 par 2 or meters with AMR facility complying to IS 14697 &amp; IS 15959 Part 1 of Accuracy Class 0.5S/ 0.2S (as applicable) Please include provision of meters with AMR facility complying to IS 14697 &amp; IS 15959 Part 1 in the specifications as well SBD shall provide provision for AMR metering for HT/LT-CT/DT/Feeder as following documents –</p> <ol style="list-style-type: none"> <li>1. RDSS base document - which mentions communicable meters for DT and Feeder Meterings</li> <li>2. BEE Regulations for (Manner and Intervals for Conduct of Energy Audit (Accounting) in Electricity Distribution Companies) Regulations, 2021</li> <li>3. REC Guidelines version - 2 for RDSS</li> <li>4. CEA Metering Regulations 2022</li> </ol>	The provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
26.	Volume-II Section 3, Clause 1: General Requirement	Communication infrastructure solutions shall be based on following communication technologies: 1. RF (License free frequency band) 2. Cellular	1. General Requirement Communication infrastructure solutions shall be based on following communication technologies: 1. RF (865-867 MHz license free frequency) 2. Cellular (GPRS / 2G/4G / NBIOT)  Inclusion of cost effective and dedicated IoT based communication technologies like NBloT would help in optimizing overall cost of project as well as will promote competition. Also 3GPP has given provision for NBIOT even with 5G	Refer Amendment No. 2 (Technical Portion) S.No. 2 in this regard.
27.	Volume-II, Section 3, Clause 1	The communication module to be provided by contractor shall be plug & play type.	The communication module to be provided by contractor shall be as per relevant IS.  Provision of communication module as defined in IS 16444 includes option for both pluggable (of same technology and make) and built-in RELModule.	The provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
28.	Volume-II, Section 3, Clause 1.4: Communication Module	The Network Interface Card (NIC) / Communication Module should be integrated with at least 3 (three) makes of meters in India to enable the respective meters to seamlessly integrate with proposed HES and/or MDM thus enabling interoperability of the system.	The Network Interface Card (NIC) / Communication Module should be as per IS 16444.  Provision of communication module as defined in IS 16444 includes option for both pluggable (of same technology and make) and built-in module. Also a separate panel 6 with members from BIS, CPRI, CEA, NSGM and industry participants has been constituted under BIS ETD 13 committee to analyse the feasibility and way forward for the same.	The provisions of the Bidding Documents shall remain unchanged.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
29.	Volume-II, Section 3, Clause 1.1.7: Factory Acceptance Testing	The factory acceptance testing shall be as per relevant BIS/IEC standards. The tests shall be carried out during inspection of each lot at supplier's works. In case of non-availability of facilities for the test specified as above, the test shall be carried out at NABL accredited Lab at suppliers cost.	1.5.2 Factory Acceptance Testing The factory acceptance testing shall be as per relevant BIS/IEC standards. The tests shall be carried out during inspection of first each lot at supplier's works. In case of non-availability of facilities for the test specified as above, the test shall be carried out at NABL accredited Lab at suppliers cost. Successful FAT of first lot solves the purpose of testing the FAT compliances and there is further provision of UAT and SAT in the contract which will cover the testing compliances and use cases. In addition, the contractor will be responsible for O&M of AMI system for the contract period. Also the FAT has its associated time and cost overheads.	The provisions of the Bidding Documents shall remain unchanged.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
30.	Volume-II, Section 5, Clause 3: Head End System (HES)	The contractor shall provide the HES suitable to support both RF & GPRS based meters for the collection and storage of meter data with required performance level with 100% expansion against BOQ quantity of meters. In future, Employer/Utility may use the supplied HES for larger areas covering more consumers, therefore expandability feature shall be there to cover more meters.	The contractor shall provide the HES suitable to support the chosen communication technology either RF/cellular based meters for the collection and storage of meter data with required performance level with 100% expansion against BOQ quantity of meters.  AMISP is responsible to fulfil the desired SLA's. So can be given a choice to either use RF/cellular or combination of both based on the required geography & demographical spread	The provisions of the Bidding Documents shall remain unchanged.
31.	Volume-II, Section 5, Clause 3: Head End System (HES)	HES would perform all the requisite functions as per the defined functionalities of AMI and it is the responsibility of the Contractor to supply the requisite software and hardware to achieve the defined functionalities of AMI.	HES would perform all the requisite functions as per the defined functionalities of AMI and it is the responsibility of the AMISP to supply / provision the requisite software and hardware to achieve the defined functionalities of AMI.  AMISP shall provision for HES during the contract period and shall hand over with valid licenses. However, after the contract completion, utility shall pay the recurring charges like license fees and AMC/ATS charges for the same.	The provisions of the Bidding Documents shall remain unchanged.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
32.	Volume-II, Section 5, Clause 3.1: Configuration	g) Billing date/ month-to-date for prepaid meters	<p>3.1 Configuration</p> <p>g) Billing: Any date in a month in credit mode and first of every month in prepay mode</p> <p>Efficient reconciliation, settlement and analysis purpose at utility end, smart prepaid meters are recommended to be billed on 1st of every month while credit meters can be billed on any date in a month to provide ease at utility cash counters for collection. Kindly accept the same and amend the clause.</p>	Billing date, as per utility requirements, shall be finalised during detailed engineering
33.	Volume-II, Section 7, Clause 4.5	4.5 Display Generation, Management and Integration (Display Management and Reporting)	Need clarity regarding display requirement.	Display requirement shall be finalised during detailed engineering

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<p>34.</p>	<p>Volume-II, Section 7, Clause 4.6.4: Other Utility Services</p>	<p>b) Preparation of .pdf output for the displays/reports available in the Advanced Metering Infrastructure Application system. It should also be possible to export all the reports to any MS-Office format.  c) Displays and Reports for Web server -The Contractor shall provide utilities for preparing displays and reports suitable for Web publishing. These utilities shall be used to generate, all required displays and reports from the system displays and reports, automatically (without requiring rebuilding).  d) Online access to user and system manuals for all software products (e.g., Operating System and Relational Database Software) and Advanced Metering Infrastructure applications shall be provided with computer system.</p>	<p>b) Preparation of .pdf output for the displays/reports available in the End-to-End Smart Metering Application system. It should also be possible to export all the reports to any suitable MS-Office format.  c) Displays and Reports for Web server -The CONTRACTOR shall provide data to utilities for preparing displays and reports suitable for Web publishing. These utilities shall be used to generate, all required displays and reports from the data as per mutual agreement at the time of contract within the scope of AMISP.  d) Online access to user and system manuals for all software products (e.g., Operating System and Relational Database Software) and AMI applications will be provided for computer system.  We understand requirement of appropriate data type is there rather than computer system. Correction requested for type error so please accept the same and amend the clause.</p>	<p>The provisions of the Bidding Documents shall remain unchanged.</p>
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**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
35.	Volume-II, Section 7, Clause 4.7: Cyber Security – General Guidance	c) Standardization of security practices and abundant guidance from knowledge bodies while implementing security controls and processes. There are multiple global security standards and Indian standards that are relevant in context of underlying technologies used in smart meters:	c) Standardization of security practices and abundant guidance from knowledge bodies while implementing security controls and processes. There are multiple global security standards and Indian standards that are relevant in context of underlying technologies used in smart meters which may be used while defining AMISP's cyber security framework:  Kindly accept the same and amend the clause.	The provisions of the Bidding Documents shall remain unchanged. Bidder to comply with the provisions specified under the clause.
36.	Volume-II, Section 7, Clause 4.7: Cyber Security – General Guidance	d) Cyber security incident management: The ISO/IEC Standard 27035 outlines a five-step process for security incident management, including....	d) Cyber security incident management: AMISP will follow incident management framework which shall be aligned with the ISO/IEC Standard 27035 that outlines a five-step process for security incident management, including:  Kindly accept the same and amend the clause.	The provisions of the Bidding Documents shall remain unchanged. Bidder to comply with the provisions specified under the clause.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
37.	Volume-II, Section 7, Clause 4.7: Cyber Security – General Guidance	k) Auditing by third party during SAT and annually during operations and maintenance period shall be in the scope of contractor.	k) Third party audit shall be carried out prior to deploying the system on FAT and SAT. Thereafter, third party audit shall be carried out annually.  The period and frequency of VA and PT was not mentioned.	The provisions of the Bidding Documents shall remain unchanged. VA&PT test shall be carried out during SAT and annually during operation & maintenance period as part of Third Party Cyber Security Audit.
38.	Volume-II, Section 7, Clause 4.8: Data Privacy-(d)	d. (ii). Sharing of part/full database shall be subject to review and consent of Utility.	Data Privacy ii. Sharing of part/full database shall be subject to review and consent of Utility. Kindly accept the same and amend the clause.	No change. Query is same as existing clause.
39.	Volume-II, Section 8, Clause 1: General-(g)	g. (VI) Ensuring completion of recharge cycle of prepaid consumer meters. XII. Ensuring Consumer Portal is kept updated g. (XIII). Ensuring smooth data traffic between the MDM and utility systems	V. Ensuring completion of recharge cycle of communicating prepaid consumer meters. XII. Ensuring data delivery to MDM for ensuring Consumer Portal is kept updated in association with utility XIII. May be deleted  Utility systems are under the ownership of utility & present SI need to work closely with AMISP for successful data delivery.	The provisions of the Bidding Documents shall remain unchanged.  The bidder has to ensure complete end -to-end solution till the Utility Systems as per provisions contained in the bidding documents.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
40.	Volume-II, Section 8, Clause 1.3: Contractor's Responsibilities under Operation & Maintenance Services	It shall be the responsibility of the Contractor to collect meter data through handheld meter reading instruments for the balance meter data reads not fulfilled by the automated remote reading process.	<p>Contractor's Responsibilities under Operation &amp; Maintenance Services:</p> <p>It shall be the responsibility of the Contractor to collect meter data through handheld meter reading instruments or any other technology without human for the balance meter data reads not fulfilled by the automated remote reading process.</p> <p>Presently there are more efficient technology to be used to collect data (like BLE) from meter without manual intervention in case of remote communication failure.</p>	Provisions are kept in Technical Specifications to ensure data availability. Better Solutions, if available, for collection of data of non-communicating meter may be allowed during execution phase without any additional financial implication.
41.	Volume-II, Section 8, Clause 1.5: Preventative Maintenance Activity	d) Providing all necessary assistance to the Utility/Employer for addition and modification of utility user interface, consumer Portal/ App displays, and Database	<p>Preventative Maintenance Activity</p> <p>d) Providing all necessary assistance to the Utility/Employer for fixing of issues (if any) of utility user interface, consumer Portal/ App displays, and Database.</p> <p>The new addition/modification shall be the part of change management.</p>	The provisions of the Bidding Documents shall remain unchanged.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
42.	Volume-II, Section 8, Clause 1.6: Integration of Equipment	All future services, protocol emulations and configuration support for integration of Smart Meters/ nodes, routers, access points, network devices, web services, integration with other offline applications etc. shall be the responsibility of Contractor and shall be part of the maintenance activities	May be deleted.  The future services & integrations shall be part of change management and shall be taken through separate change request mechanism as per mutual agreement of both Utility and Contractor.	The provisions of the Bidding Documents shall remain unchanged.
43.	Volume-II, Section 8, Clause 1.12: Maintenance and Management of Advanced Metering Infrastructure Software	c) Contractor shall generate additional reports and modify existing reports and queries, as per employer requirement	May be deleted. The new addition/modification shall be the part of change management.	The provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
44.	Volume-II, Section 10, Clause 1: General	In establishing the linkage of the smart meter to the electric network, the asset (including the meter) codification as used by the utility GIS (or as per standards set by the utility) shall be strictly followed	<p>General</p> <p>In establishing the linkage of the smart meter to the electric network, the asset (including the meter) codification as used by the utility GIS (or as per standards set by the utility) shall be strictly followed or else Contractor may use its own code and methodology for conducting the asset mapping.</p> <p>As Contractor will be the sole responsible entity for the performance of whole AMI system then to achieve the desired performance level, it shall optional for Contractor to use existing codification for consumer Indexing.</p>	Codification methodology shall be suitably finalised during detailed engineering.

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
45.	Volume-II, Section 14, Clause 1.1: TECHNICAL SPECIFICATION OF RING TYPE & WOUND TYPE (RESIN CAST) LT CURRENT TRANSFORMERS	<p>1.1.1 This specification covers design, manufacturing, testing and delivery of Single Phase Ring Type /WOUND TYPE(Resin Cast) LT Current Transformers of 0.5 S class of different ratings for metering purpose to be installed in LT CT operated metering system.</p> <p>GENERAL TECHNICAL DESCRIPTION OF LT CT: iii) The exact transformation ratio requirement shall be finalised during detailed engineering.</p>	Please provide details about CT ratio required along with bifurcation of quantity for estimation of requirement.	Exact CT ratio shall be finalised during detailed engineering.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
46.	Volume-II, SECTION 14, Clause 1.1: TECHNICAL SPECIFICATION OF RING TYPE & WOUND TYPE (RESIN CAST) LT CURRENT TRANSFORMERS	LT CT : Technical Parameters v) Transformation ratio (CT Ratio) : 100/5, 200/5, 201 to 500/5 501 to 1000/5 1001 to 1500/5 As per requirement	v) Transformation ratio (CT Ratio): 100/5, 200/5, 800/5, 1000/5, 1200/5, 1600/5 As per requirement  LT CTs are not available as per specified current rating i.e. 201 to 500/5A, 501 to 1000/5A, 1001 A to 1500 A. Hence requesting you to amend the clause in line with standard current rating available in open market. i.e. 400/5A, 600/5A, 800/5, 1000/5, 1200/5, 1600/5 Separate line item is also required in Price schedule for each current rating of CTs. Please accept the same and amend the clause along with BOQ.	The provisions of the Bidding Documents shall remain unchanged. BOQ requirement is in order

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
47.	Volume-II, Section 14.; TECHNICAL SPECIFICATION OF 11 KV CTPT METERING SETS	1.2 GENERAL This specification covers the design, manufacture, assembly, testing and delivery of three phase 11 KV/ 110V oil cooled outdoor type combined CTPT units for feeder metering having 1 No. Three phase potential transformer and 3 Nos. single phase paper impregnated oil immersed current transformers for different phases in common tank equipped with weather proof bushing for outdoor use as per technical data incorporated in this specification.	1.2 GENERAL This specification covers the design, manufacture, assembly, testing and delivery of three phase 11 KV/ 110V oil cooled outdoor type combined CTPT units for feeder metering having 1 No. Three phase potential transformer equipped with weather proof bushing for outdoor use as per technical data incorporated in this specification. As per BOQ only three phase metering units are required. Kindly accept the same and amend the clause.	Provision of bidding document shall remain unchanged. Refer Bidding document, Volume II, Section 14, TS of 11kV CPT Metering Sets. 3 Phase metering unit is required which consists of 3 nos. single phase CTs and 1 no. three phase PT.
48.	Volume-II, SECTION 14.; TECHNICAL SPECIFICATION OF 11 KV CTPT METERING SETS	2. A) 11 KV Single Phase Current Transformer (3 Nos. for R Y & B phases)  vi) Transformation ratio (CT Ratio): 150 - 300/5 A 150 - 300/1 A As per requirement	Please provide details about CT ratio required along with bifurcation of quantity for estimation of requirement.	Quantity for different CT ratio shall be as per the BoQ.



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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
49.	Volume-II, SECTION 14.; TECHNICAL SPECIFICATION OF 11 KV CTPT METERING SETS	2. A) 11 KV Single Phase Current Transformer (3 Nos. for R Y & B phases)  viii) Class of accuracy: 0.2 S or 0.5 S	As per BOQ only three phase metering units are required. Kindly accept the same and amend the clause.  Please confirm the single Class of accuracy for better assessment.	The provisions of the Bidding Documents shall remain unchanged.  Both 0.5S and 0.2S class HT Meters are considered and CT PT provisioning is done accordingly.
50.	Volume-II, SECTION 14.; TECHNICAL SPECIFICATION OF 11 KV CTPT METERING SETS	2. B) 11 KV Voltage Transformer: viii) Class of accuracy: 0.2S or 0.5S (As per IS:3156/1992)	2.B) 11 KV Voltage Transformer: viii) Class of accuracy: 0.5S (As per IS:3156/1992)  As the requirement of Meters are 0.5 Class, hence requesting you to please accepted the PT with accuracy class 0.5s for all the PT requirement.	The provisions of the Bidding Documents shall remain unchanged.  Both 0.5S and 0.2S class HT Meters are considered and CT PT provisioning is done accordingly.
51.	Volume-II, SECTION 14.; TECHNICAL SPECIFICATION OF 11 KV CTPT METERING SETS	3.0 GENERAL TECHNICAL DESCRIPTION OF 11 KV CT-PT METERING SETS: iv) The instrument transformers shall be contained in a fully weather proof, outdoor type, platform mounting and also suitable for pole mounting type tank with 6 Nos. of 12 KV class weather proof bushing for incoming and outgoing connections.	Please confirm the requirement, we understand that the Metering unit set is required for three phase only. (Single phase MU is not required)	Bidder's understanding is in line with the requirement

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
52.	Volume-II, SECTION 14.; TECHNICAL SPECIFICATION OF CABLE and BOQ	1.6 PVC POWER CABLES : For multi-core armoured cables, the inner sheath shall be of extruded PVC. The outer sheath shall be extruded PVC confirming to IS 4831 to Type ST-1 of IS: 5831 for all cables. All armouring shall confirm to IS 3975: 1992. BOQ: Service cable Requirements	Provided BOQ mentions un-armored service cables. We understand that only un armored service cables will be used. Therefore please amend it appropriately	Refer Volume-II Technical Specifications, Section 14 TECHNICAL SPECIFICATION OF CABLE, Clause 1.5 XLPE Insulated Power Cables
53.	BOQ		BOQ: Service cable Requirements  Kindly confirm the material of service cable. We understand that aluminum service cable is required.	Refer Volume-II Technical Specifications, Section 14 TECHNICAL SPECIFICATION OF CABLE, Clause 1.5 XLPE Insulated Power Cables
54.	Volume-II, ANNEXURE: INDICATIVE ITEM LIST FOR 25 LACS OF SMART METERS ALONG WITH ASSOCIATED INFRASTRUCTURE	52. 5 C X 2.5 sqmm, 1.1 kV Grade, Un-armoured, XLPE Insulated Stranded Conductor cable: Mtr. 6,000	52. 7 C X 2.5 sqmm, 1.1 kV Grade, Un-armoured, XLPE Insulated Stranded Conductor cable: Mtr. 6,000  As per recommended installation practices adopted by various Utilities for 3P4W meters for CT connections 7 Core 2.5 Sq. mm Copper cable is required, as well as for PT Connection 4 Core 2.5 Sq. mm Copper cable are to be consider. Hence requesting you to please amend the clause the clause.	The provisions of the Bidding Documents shall remain unchanged. BOQ requirement is in order

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/ Clarification
55.	Volume-II, Section 8, Clause 1.25: Service Level Agreement (SLA) / Notes-S no 4	Exclusions: Power Outages, Meter bypass by consumers, Local Temporary/ Permanent disconnection by Utilities, Meter burnt shall be excluded from above SLA calculations. For these cases, joint visit of Contractor and Utility officials shall be carried out and field inspection report shall be submitted by Contractor to Utility for suitable action.	<p>Exclusions: Power Outages, Meter bypass by consumers, Local Temporary/ Permanent disconnection by Utilities, Meter burnt, non-communicable meters in the absence of remote communication by network service provider shall be excluded from above SLA calculations. For these cases, joint visit of Contractor and Utility officials shall be carried out and field inspection report shall be submitted by Contractor to Utility for suitable action.</p> <p>There could be huge uncertainty in network availability and strength due to multiple technical, administrative, political law &amp; order reasons. However, AMISP shall ensure business critical use cases like billing data and recharge facilitation for non-communicating devices as well.</p>	The provisions of the Bidding Documents shall remain unchanged.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
56.	Volume-II, Section 1, Clause 2	2. Scope of Work A. iii) Consumer indexing on de-novo basis for contiguous and non-contiguous electrical locations in the selected AMI Project Area along with its regular updates during contract period as per relevant Clause of this Specification	Since Consumer Indexing is one time activity to be performed till completion of installation of smart meters, hence it is requested to amend the clause as below: iii) Consumer indexing on de-novo basis for contiguous and non-contiguous electrical locations in the selected AMI Project Area along with its regular updates during installation as per relevant Clause of this Specification	The provisions of the Bidding Documents shall remain unchanged. Consumer Indexing shall be done for complete project area during the entire duration of contract. If additional meters are installed post Installation Milestone, consumer indexing shall be done for the same also.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
57.	Volume-II, Section 1, Clause 5	5. General Requirements Communication Infrastructure h. A suitable NMS shall be built to monitor the performance of the communication network round the clock. The NMS shall provide viewing of all the networking elements deployed at site and enable configuration & parameterization of the networking devices and the nodes. In case of public network such as cellular, the web-based portal (for example Open Network platform) should be provided to have the network view at location of installed devices. The portal shall have connectivity & subscription management.	Kindly clarify what type of network data need to view through web-based portal for cellular network?	Communication performance, Network Health, Node connectivity, Device status etc. shall be required for Cellular Meters. However, details of NMS shall be finalised during detailed engineering.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
58.	Volume-II, Section 2, Clause 13.3	13. Installation of Smart Meters 13.3 Civil Works Civil works associated with the installation of the smart meters such as pointing, grouting, mortar touch-ups, carpentry, etc., are to be done by the contractor. Erection of supporting structure for the stability of meter case is to be done by the contractor only with the approval of the site-in-charge.	Kindly clarify on the supporting structure requirement.	Supporting structures shall be as per site requirement for ex. Use of channels, angles, clamps, nuts & bolts etc.
59.	Volume-II, Section-3, Clause 1.3	1.3 Network Equipment/Devices Relays or repeaters are the extra nodes for enhancing the range & signal strength. The relays or repeaters shall be strategically sited & placed to ensure sufficient signal strength in entire project area despite presence of obstacles or sparsely of nodes.	Please clarify on specific requirements of repeaters	Repeaters shall act as necessary signal boosting devices in case there is a requirement to enhance the signal strength.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
60.	Volume-II, Section 8, Clause 1(g)	1. General g) Day to day operations of the Advanced Metering Infrastructure Project(s) under supervision and authority of the Employer/Utility. These shall include among others vii) Connecting, disconnecting or reducing consumer's licensed load under approval from the Utility	We request that the functionality of connecting/disconnecting or reducing consumer load to be part of billing system and operated by Utility. Please amend accordingly.	The provisions of the Bidding Documents shall remain unchanged.
61.	Volume-II, Section 9, Clause 1.5.8	1.5 Testing 1.5.8 Site Acceptance Test 17. Disaster Recovery Capability Recovery Time Objective (RTO) [1 hours] as agreed Recovery Point Objective (RPO) [30 mins] as agreed	Please amend the table in line to SBD as below: 17. Disaster Recovery Capability Recovery Time Objective (RTO) [4 hours] as agreed Recovery Point Objective (RPO) [02 hours] as agreed	The provisions of the Bidding Documents shall remain unchanged.
62.	Volume-II, Section 14, TECHNICAL SPECIFICATION OF 11 KV CTPT METERING SETS	11 KV Three Phase CTPT METERING SETS Bidder to quote rate for supply of 11kV 3ph CTPT Metering set which will be inclusive of installation and F&I charges.	Please clarify that structure for metering set is to be supplied by the bidder	Metering equipment shall be provided with all the necessary fitting and accessories as per site requirement.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
63.	Volume II, Appendix-A to Section 5- HES and MDM - Details of use cases	6. Remote firmware upgrades/ meter configuration changes	As we understand that this is HES specific functionality and not MDM. Hence we request Powergrid to amend this requirement to HES to Meter	The provisions of the Bidding Documents shall remain unchanged.
64.	Volume II, Section 1, Clause 2 B	xxiv - Factory and site acceptance testing of all items including hardware, software & firmware provided.	We suggest to include performance testing of applications to ensure that they are scalable to handle 25 lacs metering points, and the RFP ask of 50 lacs. Bidder can suggest mechanisms to simulate the data for performance testing.	Shall be incorporated in FAT procedure during detailed engineering
65.	Volume II, Section 1, Clause 5 - Smart Meters	c. After meter installation, details of consumer connections, such as consumer identification no., meter ID, its hardware & software configuration, name plate details, make, type i.e., 1 Phase or 3 Phase shall be updated in the system. The information would also be updated on the consumer portal and app for providing information to consumers.	We suggest you mention that these details are updated in system in "real time". This will ensure that there is near real time visibility of smart meter installation progress.	The provisions of the Bidding Documents shall remain unchanged.



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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
66.	Volume II, Section 7, clause- 3.3.2 Compat ibility Requirements	(e) The CSP/MSP should have "Auto Scale" capability enabling provision of additional resources based on the short time peak loads.	The CSP/MSP should have "Auto Scale" capability enabling provision of additional resources based on the short time peak loads. CSP should charge the applicable resources cost only for the short time peak load.	The provisions of the Bidding Documents shall remain unchanged. CSP charge payable shall be as per BoQ.
67.	Volume II, Section 7, Clause - 3.3.3 Cloud Network Requirement	n) The cloud service provider shall have multiple Tier 1 ISPs providing Internet connectivity to their data centre/network.	Internet connectivity or ICP selection will be in the scope of the bidder or MSP . CSP doesn't provide the Internet connectivity to the customers	Bidder shall be responsible for end-to-end solution and arrange required ISP services at Cloud Data Center.
68.	Volume II, Section 7, Cl.3.3.10: Disaster Recovery Management	(c) Provisioned cloud-based DR environment will be a warm DR with regular sync up of data and application artefacts between primary and DR setup	Cloud Service Provider can also offer Active-Active architecture with a hot DR site. This kind of deployment architecture is MeitY approved and provides better RTO and RPO. We hope this kind of deployment architecture is also allowed.	Refer Amendment No. 2 (Technical Portion) S.No. 10 in this regard.
69.	Volume II, Section 7, Clause.3.3.10: Disaster Recovery Management	g) There shall be asynchronous replication of data between Primary DC and DR and the CSP/MSP will be responsible for sizing and providing the DC-DR replication link so as to meet the RTO and the RPO requirements	Cloud Service Provider can also offer Active-Active architecture with synchronous replication between two sites. This kind of deployment architecture is MeitY approved and provides better RTO and RPO. We hope this kind of deployment architecture is also allowed.	Refer Amendment No. 2 (Technical Portion) S.No. 11 in this regard.

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<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
70.	Volume II, Section 7, Clause.3.3.10: Disaster Recovery Management	(h) During normal operations, the Primary Data Centre will serve the requests. The Disaster Recovery Site will not be performing any work but will remain on standby. During this period, the compute environment for the application in DR shall be available but with minimum possible compute resources required for a functional DR as per the solution offered by CSP/MSP. DR Database Storage shall be replicated on an ongoing basis and shall be available in full (100% of the DC) as per designed RTO/RPO and replication strategy. The storage should be 100% of the capacity of the Primary Data Centre site	Since RTO and RPO are defined in the RFP, the design approach should be left to the SI as per the approaches given by MeitY under DR best practices with which desired RTO and RPO can be met. Hence we request you to please allow synchronous replication, hot DR site and active solution components at DR site.	Refer Amendment No. 2 (Technical Portion) S.No. 12 in this regard.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
71.	Volume II, Section 7, clause 3.3.9-Business Continuity Plan & Backup Services (a) & (b)	<p><b>a) Recovery Time Objective (RTO):</b> Duration of time and a service level within which a business process must be restored after a disruption in order to avoid unacceptable consequences associated with a break in continuity of service. The RTO of 1 hour shall be met by infrastructure redundancy and failover. <b>b) Recovery Point Objective (RPO):</b> Interval of time that may pass during a disruption before the quantity of lost data during that period exceeds the business continuity plan's maximum allowable threshold. The RPO of 30 minutes shall be met by a suitable backup and replication strategy of operational data/application. The RPO shall define how fast the replicated data/application can be made available to the target system after a disruption strikes. With these two objectives, the CSP/MSP shall provide the following:</p>	Smart metering involves critical use cases such as reconnection which cannot afford to have down time. Hence, it is suggested to have near zero RTO/ RPO so that there is seamless operation of activities dependent on smart metering	The provisions of the Bidding Documents shall remain unchanged.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
72.	Volume II, Section 5, clause 6: System Sizing Requirements	The auxiliary memory and utilization of any of the Servers shall not exceed 30% and 25% respectively of their delivered capacity at any time even under peak loading conditions involving a combination of the following - <ul style="list-style-type: none"> <li>o 400 alarms per minute for 5 minutes.</li> <li>o 10 concurrent display requests from 5 users. Including graphical trends</li> <li>o Restoration of 100%-meter data after system failure.</li> <li>o VEE and billing determinant calculations involving 10,000 consumer meters</li> <li>o System activity alarms.</li> </ul>	Since the performance parameters are defined, bidder should be allowed to estimate the required resources and capacity for the solution, rather than being limited by these volumetrics which are unpredictable. Since autoscaling is anyway requested, this clause can be excluded or modified	The provisions of the Bidding Documents shall remain unchanged.
73.	Volume II, Section 7 – SYSTEM SOFTWARE AND CLOUD SERVICES REQUIREMENTS		What will be the method to verify the CSP capabilities asked in the RFP.? We suggest PGCIL can consider publicly available web pages of the CSP to assess the required capabilities	Shall be finalised during detailed engineering

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
74.	Volume II, Section 2, Clause 3.5: Other Specifications	<b>Plug-in Communication Module :</b> The Smart Meters shall have a dedicated sealable slot for accommodating plug-in type bi-directional communication module which shall integrate the respective communication technology (RF/ Cellular) with the Smart Meters, leading to easy adaptability for network interfaces (WAN/NAN). The Plug-In module shall be field swappable/ replaceable.	Comments:-...technology ( RF/PLCC/ 4G Fall back 2G) with the Smart Meters, leading.. Remarks: Presently all telecom providers offering 4G service for under celluler umbrella Requested Clarification	In case of Cellular meters, the contractor can provide communication module based on 4G / NB-IoT communication technologies which shall have capability to fall back on any other frequency band in case of contingency. Refer Section 3 for communication infrastructure requirement.
75.	Volume II, Section 2, clause 3.6, Data Display Facility (Auto/Manual)	Prepaid Parameters: •Last Recharge Amount • Last Recharge Time • Current Balance Amount • Current Balance days left	Comments:-Prepaid parameters will be display when Meter in prepaid mode. Requested Clarification	Bidder's understanding is in line with the requirement
76.	Volume II, Section 2, clause 3.5: Other Specifications	<b>Category--UC1</b>	Comments:-.UC1/UC2Remarks:UC2 is better.Requested Alternate	The provisions of the Bidding Documents shall remain unchanged.

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S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
77.	Volume II, Section 2, clause 3.5: Other Specifications	<b>Current</b> 5-30 A or 10-60A <b>Rating</b>	Requested clarification Comments:-Both rating requirement Remarks: Please confirm .	Requirement shall be as per Bill of Quantity
78.	Volume II, Section 2, clause 4.5: Other Specifications	<b>Current</b> 10-60A , 20-100A <b>Rating</b>	Requested-Nil Comments:-Nil Remarks: Nil	No query given
79.	Volume II, Section 2, clause 4.5: Other Specifications	<b>Category-UC1</b>	Requested: Alternate Comments:-UC1/UC2 Remarks:UC2 is better.	The provisions of the Bidding Documents shall remain unchanged.
80.	Volume II, Section 2, clause 4.5- Connect/Disconnect switch	4.5 - Other Specifications Connect/Disconnect switch UC1 as per IS 16444 Part 1	Requested: Alternate Comments:-UC1/UC2 Remarks:UC2 is better.	The provisions of the Bidding Documents shall remain unchanged.

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
81.	Volume II, Section 2, Clause 4.5: Other Specifications	<b>Plug-in Communication Module:</b> The Smart Meters shall have a dedicated sealable slot for accommodating plug-in type bi-directional communication module which shall integrate the respective communication technology (RF/Cellular) with the Smart Meters, leading to easy adaptability for network interfaces (WAN/NAN). The Plug-In module shall be field swappable/ replaceable.	Comments:-...technology ( RF/PLCC/ 4G Fall back 2G) with the Smart Meters, leading.. Remarks: Presently all telecom providers offering 4G service for under celluler umbrella Requested Clarification	In case of Cellular meters, the contractor can provide communication module based on 4G / NB-IoT communication technologies which shall have capability to fall back on any other frequency band in case of contingency.  Refer Section 3 for communication infrastructure requirement.
82.	Volume II, Section 2, clause 4.6- Data Display Facility (Auto/Manual)	Prepaid Parameters: •Last Recharge Amount • Last Recharge Time • Current Balance Amount • Current Balance days left	Requested: Clarification Comments:-Prepaid parameters will be display when Meter in prepaid mode. Remarks:	Bidder's understanding is in line with the requirement
83.	Volume II, Section 2, clause 6.4: Other Specifications	<b>Current Rating</b> Ib 5A/ 1A (as applicable)	Requested- Clarification Comments:- Ib 5A Remarks:	Requirement shall be as per Bill of Quantity

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
84.	Volume II, Section 2, clause 6.4: Other Specifications	<b>Accuracy</b> Class 0.5S or 0.2S as per IS 16444: Part 2	Requested- Clarification Comments:- Class 0.5s Remarks:	Requirement shall be as per Bill of Quantity
85.	Volume II, Section 5, clause 3.1 - Configuration	e) Net Metering f) Configuration change to "Forwarded" only mode or "Import and Export" mode	Requested- Point No - e & F are common Comments:- PI confirm Remarks:	Bidder's understanding is in line with the requirement
86.	Volume II, Section 5, clause 3.3.1, Critical Reporting	<ul style="list-style-type: none"> <li>• Data not received from nodes/end points</li> <li>• Relay does not operate for connect / disconnect</li> <li>• Communication link failure with nodes/end points</li> <li>• Network Failure</li> </ul>	Requested- Clarification Comments:-Please elaborate all this requirement Remarks:	Critical Reporting feature shall be provided in HES. For Transformer Operated meters "Relay does not operate for connect/disconnect" shall not be applicable. However, for direct current operated meters same shall be required as a part of Critical Reporting.



**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
87.	Volume II, Section 5, clause 3.3.2, Non-Critical Reporting	<p>HES shall report and keep record of following communication failure events:</p> <ul style="list-style-type: none"> <li>a) Retry attempts</li> <li>b) Missed periodic reading</li> <li>c) Failure to connect</li> </ul> <p>HES shall support reporting of communication failure history of nodes/routers/access points etc. and give an exception report for nodes/routers/access points not communicating for last 0 – 24 hours (the reporting period shall be user configurable period) HES shall have feature to send email/SMS notification of configured alarms &amp; events to selected users.</p>	<p>Requested- ClarificationComments:- Please elaborate all this requirement</p> <p>Remarks:</p>	<p>Non Critical Reporting feature shall be provided in HES. For Transformer Operated meters "failure to connect" shall not be applicable. However, for direct current operated meters same shall be required as a part of Non-Critical Reporting.</p>

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
88.	Volume II, Section 4, clause 1	Contractor shall establish connectivity between the workstations located at the NOMC with that of the cloud-based MDM-HES system. In addition, the contractor shall establish connectivity between the cloud-based MDM system with utility's existing Billing system. This will necessitate creation of a VPN tunnel between the two unless it is decided to migrate the Billing system to the same cloud data centre.	Requested-Clarification Comments:- It is understood that connectivity type will be VPN only. Please confirm. Remarks:	Bidder's understanding is in line with the requirement

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/Clarification
89.	Volume II, Section 5, Clause 3.1 Configuration	m) Number of auto reconnection attempt n) Time interval between auto reconnection attempt o) Lock out period for end point (meter) relay p) Remote firmware upgrade in both unicast and multicast fashion, individual and a group of nodes (NAN/WAN, Routers/Gateways/Access Points, DCU). q) Password setting r) Push schedule s) Setting threshold limits for monitored parameters t) The retry attempts for meter data acquisition shall be configurable individually or for a group of meters. u) Any other feature to meet project SLA parameters	Requested-Alternate Comments:- The configuration should be in line with IS 16444 requirements. These parameters are not listed in Indian Standard hence should be deleted. Remarks:	The provisions of the Bidding Documents shall remain unchanged.
90.	Volume II, Section 5, Clause 4	Meter Data Management System (MDM)	Requested-Clarification Comments:- Please clarify that If MDMS already exist Central and western part then which MDMS will used for project. Remarks:	Presently MDMS is included in Scope of Work of the Contractor

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/Comments	POWERGRID's Reply/ Clarification
91.	Volume-II, Section 5, Clause 6. System Sizing Requirements	The auxiliary memory and utilization of any of the Servers shall not exceed 30% and 25% respectively of their delivered capacity at any time even under peak loading conditions involving a combination of the following -----	Requested-Alternate Comments:- It should be 70% Remarks: AMI SP will be the designated entity to provide FMS for complete project duration and meet the stipulated SLAs. Hence specifying auxiliary memory and utilization, will increase the IT infra cost, eventually increase the project cost	The provisions of the Bidding Documents shall remain unchanged.
92.	Volume II, Section 7, Clause. 1.2 (d) Applications	d) Portability & Interoperability: The system shall be designed for hardware independence and operation in a network environment that facilitates interoperability and integration of third-party applications. Implementation of Advanced Metering Infrastructure applications should support multiple Relational Database Management Systems (RDBMS) including Oracle, Microsoft SQL Server and MySQL.	Requested-Alternate Comments:- It should be as per system requirement hence request you to remove that "AMI applications should support multiple Relational Database Management Systems (RDBMS) including Oracle, Microsoft SQL Server and MySQL" Remarks:	Refer Amendment No. 2 (Technical Portion) S.No. 8 in this regard

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
93.	Volume II, Section 9, clause 1.5.8-Site Acceptance Test	The first SAT test will be subjected to consist of the complete cloud data center and its hardware and software components along with supply, installation & integration of a minimum 5% of Smart Meters/DCU along with its related hardware and software.	Requested-Alternate Comments:- We request to add a note where Utility and AMI SP should identify the group of meters (1000) on which SAT and SLA testing be conducted for compliances. Also non communicating meters, Power Off and other variables should be kept out of Compliances calculations. Remarks:	The provisions of the Bidding Documents shall remain unchanged.
94.	Volume II, ANNEXURE: INDICATIVE ITEM LIST FOR 25 LACS OF SMART METERS ALONG WITH ASSOCIATED INFRASTRUCTURE	Establishment of Infrastructure for Recharge through Offline Channels in Retail Outlets	Requested-Clarification Comments:-We understand that Man power for recharge center is in utility scope. Please clarify. Remarks:	Bidder's understanding is in line with the requirement
95.	Volume II, Section 10	Consumer Indexing	Requested-Clarification Comments:-Please clarify, whether the Pole/DT/Feeder Code are to be mapped or not. Also pole and DT numbering is in the scope of bidder or not. Remarks:	Code of Pole/DT/Feeder has to be mapped during Consumer Indexing

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
96.	Volume II, Section 5, clause 1	General: This section deals with specification pertaining to Head End System (HES), Meter Data Management System (MDMS) software and related software's & applications. HES & MDMS software should have capability to run multiple instances. In case, the solution is provided to more than one utility the HES & MDMS software should have the capability to virtually isolate HES & MDMS solutions for different utilities without any extra cost.	Please confirm the number of required instances and number of utility, it is required to budget for HES, MDM and Cloud services.	For each utility, two parallel instances shall run in sync in DC-DR of cloud. Further, separate instances of HES/MDM shall be required if total quantity of meters is deployed across multiple utilities. License provisioning shall be required to be done accordingly.
97.	Volume II, Section 5: Application Software: Head End System and Meter Data Management System		How many users will use the master data management for following processes: a. Asset Management, AMI Installation Support, billing, Prepaid b. Customer Service c. Field service d. Analytics and reporting, Revenue Protection Support, Energy Audit,	Shall be finalised during detailed engineering

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
98.	Volume II, Section 5, Clause 4.1.6 Prepaid functionality	The MDM with the help of the corresponding HES, should be able to switch the Smart Meter between prepaid and post-paid modes by a simple change in configuration of the Smart Meter firmware remotely. The following prepaid functionality shall apply: -----	Please share the deployment plan of implementing billing with prepaid functionality i.e. nos of consumers across months. Provide the average monthly collection per prepaid customer.	Shall be finalised during detailed engineering
99.	Volume II, Section 8, clause 1	1. General The Contractor is to hand hold the Utility team to take over operation, maintenance and support services after completion of contract period. The project/system devices should allow their functionalities to be upgraded without disruption to the existing functionalities by downloading new software and configuration information	How many users will be involved in Meter Installation Administration, Maintenance and Management Services? Do you want the details like maintenance orders, status, spares used, executed by and report to be managed in the system for visibility and compliance purposes?	Nos. of users shall be finalised during detailed engineering.  Refer Volume II, Clause 4.1.1 & 4.1.2 of Section 5 for inventory management, service orders etc.

**Clarification No.-2 (Technical Part) dated 02/05/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

<b>S. No.</b>	<b>Clause Ref.</b>	<b>Provisions of Existing Bidding Documents</b>	<b>Bidder's Query/Comments</b>	<b>POWERGRID's Reply/Clarification</b>
100.	Volume II, Section 3, Clause 1.7	The contractor can also provide communication module based on 4G communication technologies and shall have capability to fall back on 2G in case of contingency	The contractor can also provide communication module on 2G/4G/NB-LTE/NB-IoT and fallback on any other frequency band.	Refer Amendment No. 2 (Technical Portion) S.No. 4 in this regard
101.	Volume II, Section 3, Clause 1.4	In case of GPRS meters communication shall happen primarily on 4G; In case of contingency communication module/SIM card shall be able to communicate over 2G.	The contractor can also provide communication module on 2G/3G/4G/NB-LTE/NB-IoT and fallback on GPRS or any other band.	Refer Amendment No. 2 (Technical Portion) S.No. 3 in this regard



Ref. No.: CC-CS/G3/OBD EX-2

Date: 02.05.2022

<< TO ALL THE BIDDERS THROUGH PORTAL >>

**Sub: Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India;  
Specification No.: RTN1001566/OTHERS/DOM/A02**

**..Reg. Extension of date of downloading of Bidding Documents, Bid Submission & Bid Opening Date.**

Dear Sir(s),

- 1.0 This has reference to the bidding documents for the subject package uploaded on Government e-Marketplace (GeM) Portal [GeM Bid No. GEM/2022/B/2006757 dated 08.03.2022] alongwith subsequently issued Amendments and Clarifications.
- 1.1 The date of downloading of Bidding Documents and deadline for submission of Bids & the **date for Bid Opening are hereby extended** and rescheduled as per the following program:

Existing Schedule	Revised Schedule
<b><u>Downloading of Bidding Documents:</u></b> upto 06/05/2022, Time: upto 11:00_hrs.	<b><u>Downloading of Bidding Documents:</u></b> Extended till 20/05/2022, Time: upto 11:00_hrs.
<b><u>Bid Submission:</u></b> <b><u>(a) For soft copy part of bids:</u></b> Date: 06/05/2022, Time: upto 1100 Hrs	<b><u>Bid Submission:</u></b> <b><u>(a) For soft copy part of bids:</u></b> Date: 20/05/2022, Time: upto 1100 Hrs
<b><u>(b) For Hard copy part of bids:</u></b> Date: 10/05/2022, Time: upto 1100 Hrs	<b><u>(b) For Hard copy part of bids:</u></b> Date: 24/05/2022, Time: upto 1100 Hrs
<b><u>Bid Opening (1st Envelope):</u></b> Date: 10/05/2022, Time: upto 11:30 Hrs	<b><u>Bid Opening (1st Envelope):</u></b> Date: 24/05/2022, Time: upto 11:30 Hrs

- 1.2 You are requested to ensure validity of Bid, to be submitted by you, based on the above revised dates.
- 2.0 Except for the above, all other terms and conditions of the Bidding Documents thereof remain unchanged.

Thanking you,

**For and On behalf of**  
**Power Grid Corporation of India Limited**

5/2/2022

**X** Aakash Khandelwal  
Aakash Khandelwal  
Manager (CS)  
Signed by: AAKASH KHANDELWAL

**Encl: As above**

Ref. No.: CC-CS/TWT/Amend-1 & Clar-1

Date: 16.03.2022

<< TO ALL THE BIDDERS THROUGH PORTAL >>

**Sub: Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

**...Reg. Amendment No. 1 and Clarification No 1 to the Bidding Documents**

Dear Sir(s),

- 1.0 This has reference to the bidding documents for the subject package uploaded on Government e-Marketplace (GeM) Portal [GeM Bid No. GEM/2022/B/2006757 dated 08.03.2022].
- 2.0 **Amendment No. 1 and Clarification No. 1** to the bidding documents enclosed herewith are uploaded on the GeM Portal.
- 3.0 Save and Except for the changes brought-out in the above mentioned amendments, all other terms and conditions of the original bidding documents shall remain unaltered.

Thanking you,

**For and On behalf of**  
**Power Grid Corporation of India Limited**

X

Aakash Khandelwal  
Deputy Manager (CS)

**Encl: As above**

**Amendment No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

Sl. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
1.	<b>ITB Clause 6.1, Section-II, Volume-I of the Bidding Documents</b>	Prospective bidder may seek clarification through GeM portal only as per provisions available on the portal. . If a Bidder feels that any important provision in the documents, such as those listed in ITB Sub-Clause 22.3.1, will be unacceptable, such an issue should be raised as above. The Employer will respond through the GeM portal to any request for clarification or modification of the Bidding Documents that it receives through the GeM portal only. Further, the mere request for clarification from the Bidders shall not be a ground for seeking extension in the deadline for submission of bids. Employer’s response (including an explanation of the query but not identification of its source) will be uploaded on GeM portal where all the bidders can see clarification/reply to query.	<b><u>Replace ITB Clause 6.1 in BDS with the following:</u></b>  Prospective bidder may seek clarification in writing or by cable (hereinafter, the term cable is deemed to include Electronic Data Interchange (EDI) or telefax) at the Employer’s mailing address indicated in the <b>BDS</b> or through GeM portal. Similarly, if a Bidder feels that any important provision in the documents, such as those listed in ITB Sub-Clause 22.3.1, will be unacceptable, such an issue should be raised as above. The Employer will respond through the portal GeM portal to any request for clarification or modification of the Bidding Documents that it receives no later than twenty-eight (28) days (unless otherwise specified in <b>BDS</b> ) prior to the original deadline for submission of bids prescribed by the Employer. The Employer shall not be obliged to respond to any request for clarification received later than the above period. Further, the mere request for clarification from the Bidders shall not be a ground for seeking extension in the deadline for submission of bids. Employer’s response (including an explanation of the query but not identification of its source) will be uploaded on GeM portal where all the bidders can see clarification/reply to query.
2.	<b>ITB/ BDS Clause 6.1, Section-III, Volume-I of the Bidding Documents</b>		<b><u>Supplementing ITB Clause 6.1 in BDS with the following:</u></b>  <b>Address of the Employer:</b>  Power Grid Corporation of India Limited, `Saudamini`, Plot No.-2, Sector-29, Gurgaon (Haryana) - 122001.

**Amendment No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

Sl. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
			Kind Attn.: Sr. Dy. General Manager/ Dy. General Manager / Dy. Manager (CS-G3) Telephone Nos.: +91-124-282 2387/2383/3311 Mobile: : +91- 9873918533/9650089825 /9599814157 Fax Nos.:- 0091-(0)124-2571831 Email: <a href="mailto:lakshmi@powergrid.in">lakshmi@powergrid.in</a> ; <a href="mailto:pankajjangid@powergrid.in">pankajjangid@powergrid.in</a> ; <a href="mailto:aakashkhandelwal@powergrid.in">aakashkhandelwal@powergrid.in</a>
3.	<b>ITB Clause 6.4, Section-II, Volume-I of the Bidding Documents</b>	The Bidder's designated representative(s) is/are invited to attend a pre-bid meeting, which, if convened, will take place at the venue and time stipulated in the BDS. The purpose of the meeting will be to clarify any issues regarding the e-procurement method, the Bidding Documents in general and the Technical Specifications in particular. The Bidder is requested, as far as possible, to submit any question on GeM Portal, to reach the Employer not later than one week before the meeting.....	<b><u>Replace ITB Clause 6.4 in BDS with the following:</u></b>  The Bidder's designated representative(s) is/are invited to attend a pre-bid meeting, which, if convened, will take place at the venue and time stipulated in the BDS. The purpose of the meeting will be to clarify any issues regarding the e-procurement method, the Bidding Documents in general and the Technical Specifications in particular. The Bidder is requested, as far as possible, to submit any question in writing, to reach the Employer not later than one week before the meeting.....
4.	<b>ITB/BDS Clause 6.4, Section-III, Volume-I of the Bidding Documents</b>	Supplementing Clause ITB 6.4 with the following:  <u>Venue, date and time for Pre-bid Meeting:</u>  <b>The Bidder's designated representatives are invited to attend a pre-bid meeting, which will take place through Video Conferencing. The web link to join the meeting shall be shared before the scheduled date of the meeting.</b>	Supplementing Clause ITB 6.4 with the following:  <u>Venue, date and time for Pre-bid Meeting:</u>  <b>The Bidder's designated representatives are invited to attend a pre-bid meeting, which will take place through Video Conferencing. The web link to join the meeting shall be shared before the scheduled date of the meeting.</b>

**Amendment No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

SI. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
		<p>Date of pre-bid conference : <b>22.03.2022</b> Time: 1100 Hours (IST) onwards</p> <p><b>Link for Joining the Pre-Bid Meeting:</b></p> <p><a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDc3NTRjZWYtZTQwMS00YmYyLWEwYmYtMDQ1ZWE1ZTJkNjhk%40thread.v2/0?context=%7b%22Tid%22%3a%22e35a43cc-1701-4900-b387-6e7388b1c481%22%2c%22Oid%22%3a%22658803c8-9db3-4a2e-9f0b-b9b3dcfe339f%22%7d">https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDc3NTRjZWYtZTQwMS00YmYyLWEwYmYtMDQ1ZWE1ZTJkNjhk%40thread.v2/0?context=%7b%22Tid%22%3a%22e35a43cc-1701-4900-b387-6e7388b1c481%22%2c%22Oid%22%3a%22658803c8-9db3-4a2e-9f0b-b9b3dcfe339f%22%7d</a></p>	<p>Date of pre-bid conference : <b>22.03.2022</b> Time: 1100 Hours (IST) onwards</p> <p><b>Link for Joining the Pre-Bid Meeting:</b></p> <p><a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDc3NTRjZWYtZTQwMS00YmYyLWEwYmYtMDQ1ZWE1ZTJkNjhk%40thread.v2/0?context=%7b%22Tid%22%3a%22e35a43cc-1701-4900-b387-6e7388b1c481%22%2c%22Oid%22%3a%22658803c8-9db3-4a2e-9f0b-b9b3dcfe339f%22%7d">https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDc3NTRjZWYtZTQwMS00YmYyLWEwYmYtMDQ1ZWE1ZTJkNjhk%40thread.v2/0?context=%7b%22Tid%22%3a%22e35a43cc-1701-4900-b387-6e7388b1c481%22%2c%22Oid%22%3a%22658803c8-9db3-4a2e-9f0b-b9b3dcfe339f%22%7d</a></p> <p>Kind Attn.: Sr. Dy. General Manager/ Dy. General Manager / Dy. Manager (CS-G3) Telephone Nos.: +91-124-282 2387/2383/3311 Mobile : +91- 9873918533/9650089825 /9599814157 Fax Nos.: - 0091-(0)124-2571831 Email: <a href="mailto:lakshmi@powergrid.in">lakshmi@powergrid.in</a>; <a href="mailto:pankajjangid@powergrid.in">pankajjangid@powergrid.in</a> ; <a href="mailto:aakashkhandelwal@powergrid.in">aakashkhandelwal@powergrid.in</a></p>
5.	<b>GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022</b>	Buyer Added Bid Specific ATC at Sl. No. 1 .....	<p><b>Supplementing Buyer Added Bid Specific ATC at Sl. No. 1 with the following:</b></p> <p>10. Bid Opening Date/Time displayed in the GeM Bid is indicative. Actual Bid Opening date/Time shall be governed as per the bidding schedule mentioned in Section-I (IFB) and Section-III (BDS) of Volume-I of the Bidding Documents and subsequent extension of the same, if any.</p>

**Clarification No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

**Bidder's Query/Comments:**

we would like to request you to please provide clarity on structure of bid documents uploaded on GeM portal

**POWERGRID'S Reply/Clarification to above Query**

As per the provisions of the Bidding Documents inter-alia at ITB Clause 5.1, the Bidding Documents comprise of the following and shall include amendments, if any, thereto:

- GeM GTC
- VOLUME – I: Conditions of Contract
  - Section I Invitation for Bids (IFB)
  - Section II Instructions to Bidders (ITB)
  - Section III Bid Data Sheet (BDS)
  - Section IV General Conditions of Contract (GCC)
  - Section V Special Conditions of Contract (SCC)
  - Section VI Sample Forms and Procedures (SFP)
- Volume-II: Technical Specification
- Volume-III: Bid Form and its Attachments & Technical Data Sheets (if any)

The e-procurement portal for conducting Bidding process for the subject package is Government e-Marketplace (GeM), accordingly, the provisions of GeM GTC pertaining to Bidding process shall be applicable. However, provisions of Volume-I, Volume-II and Volume-III of the Bidding Documents uploaded under the heads: **'Buyer Added Bid Specific Terms and Conditions' (ATC) / Additional Specification Documents / Specification Document** of GeM Bid, shall always prevail and supersede provisions of the GeM GTC.

Further, the provisions governing the performance of the Contractor, payments under the contract or matters affecting the risks, rights and obligations of the parties under the contract shall be governed as per the provisions of Volume-I (Conditions of Contract) of the Bidding Documents read in conjunction with Volume-II (Technical Specifications).

**Clarification No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

Different sections of the Bidding Documents can be accessed by the Bidders in GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022, as per following:

Sl. No.	Bidding Documents Section/Component	Bidding Documents Section/Component can be assessed/downloaded from Hyperlink provided under different heads [ <i>Buyer Added Bid Specific Terms and Conditions (ATC) / Additional Specification Documents / Specification Document</i> ] of GeM Bid	Page no. of GeM Bid and file name
1.	<b>GeM GTC</b>	Hyperlink to download GeM GTC is " <a href="#">This Bid is also governed by the General Terms and Conditions</a> " provided in Disclaimer head of GeM Bid.	Page No 100 / 100
2.	<b>VOLUME – I: Conditions of Contract</b>		
2.1	Section I Invitation for Bids (IFB)	Buyer Added Bid Specific ATC at Sl. No. 8	Page No 99 / 100 [01_Volume-I_Section - I IFB SSTE Vol-I]
2.2	Section II Instructions to Bidders (ITB)	<b>'Additional Document 1'</b> in each of the BOQ item.	The uploaded Section-II (ITB) is reflected in each of the BOQ item. Bidders can download Section-II (ITB) from the hyperlink available at <b>'Additional Document 1'</b> from any of the BOQ item listed in the GeM bid.  [02_Volume-I_Section - II ITB SSTE SI DCB-GeM]
2.3.1	Section III Bid Data Sheet (BDS)	Buyer Added Bid Specific ATC at Sl. No. 9	Page No 99 / 100 [03_Volume-I_Section - III BDS SSTE Vol-I]

**Clarification No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

2.3.2	Annexure-A (BDS) to Section-III BDS	Buyer Added Bid Specific ATC at Sl. No. 10	Page No 99 / 100 [04_Volume-I_ANNEXURE-A (BDS)_]
2.3.3	Annexure-B (BDS) to Section-III BDS	Buyer Added Bid Specific ATC at Sl. No. 11	Page No 99 / 100 [05_Volume-I_Annexure-B(BDS)]
2.4	Section IV General Conditions of Contract (GCC)	<b>'Additional Document 2'</b> in each of the BOQ item.	The uploaded Section-IV (GCC) is reflected in each of the BOQ item. Bidders can download Section-IV (GCC) from the hyperlink available at <b>'Additional Document 2'</b> from any of the BOQ item listed in the GeM bid.  [06_Volume_1_Section_4_General_Conditions_of_Contract_GCC_SI_Rev_3_DCB]
2.5.1	Section V Special Conditions of Contract (SCC)	Buyer Added Bid Specific ATC at Sl. No. 12	Page No 99 / 100 [07_Volume-I_Section-V-Special Conditions of Contract (SCC) (Autosaved)]
2.5.2	Appendix-I to Section-V SCC	Buyer Added Bid Specific ATC at Sl. No. 2	Page No 98 / 100 [08_Volume-I_Appendix-I to SCC]
2.5.3	Appendix-II to Section-V SCC	Buyer Added Bid Specific ATC at Sl. No. 3	Page No 99 / 100 [09_Volume-I_Appendix-II to SCC]
2.5.4	Annexure-I to Section-V SCC	Buyer Added Bid Specific ATC at Sl. No. 13	Page No 99 / 100 [10_Volume-I_Annexure-I to SCC_Exit Management Plan]



**Clarification No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

2.6	Section VI Sample Forms and Procedures (FP)	Buyer Added Bid Specific ATC at Sl. No. 4	Page No 99 / 100 [11_Volume-I_Section - VI Forms and Procedures Vol-I_]
3.	<b>Volume-II: Technical Specification</b>	<b>'Specification Document'</b> under <b>'Technical Specifications'</b> in each of the BOQ item	The uploaded <b>'Technical Specifications'</b> is reflected in each of the BOQ item. Bidders can download <b>'Technical Specifications'</b> from the hyperlink available at <b>'Specification Document'</b> from any of the BOQ item listed in the GeM bid.
4.	<b>Volume-III: Bid Form and its Attachments &amp; Technical Data Sheets (if any)</b>		
4.1	Bid Form and First Envelope Bid Attachments	<b>'Additional Document 3'</b> in each of the BOQ item.	The uploaded <b>'Bid Form and First Envelope Bid Attachments'</b> is reflected in each of the BOQ item. Bidders can download <b>'Bid Form and First Envelope Bid Attachments'</b> from the hyperlink available at <b>'Additional Document 3'</b> from any of the BOQ item listed in the GeM bid.  [13_Volume_3_First_Envelope_and_Bid_Forms]
4.2	Format for Attachment-3 (QR) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 5	Page No 99 / 100 [14_Volume-III_Attachment-3 (QR)]

**Clarification No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

4.3	Format for Attachment-8 (Manufacturer Authorization Form) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 6	Page No 99 / 100 <i>[15_Volume-III_Attachment-8- Manufacturer Authorization Form]</i>
4.4	Format for Attachment-18 (Safety Pact) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 14	Page No 99 / 100 <i>[16_Volume-III_Attachment-18( SAFETY PACT)]</i>
4.5	Format for Attachment-20 (KMP Declaration) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 7	Page No 99 / 100 <i>[17_Volume-III_Attachment-20_KMP Declaration]</i>
4.6	Format for Attachment-21 (Authorization Certificate) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 15	Page No 99 / 100 <i>[18_Volume-III_Attachment-21- Authorization Certificate issued by Domestic Manufacturer]</i>
4.7	Format for Attachment-22 (Affidavit for Self Certificaion) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 16	Page No 99 / 100 <i>[19_Volume-III_Attachment-22- Affidavit for Self Certificaion-Iron &amp; Steel]</i>
4.8	Format for Attachment-23 (Affidavit for self-Certification – MII Policy) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 17	Page No 99 / 100 <i>[20_Volume-III_Attachment-23- Affidavit for self-Certification]</i>
4.9	Format for Attachment-24 (Certificate by Auditor – MII Policy) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 18	Page No 100 / 100 <i>[21_Volume-III_Attachment-24- Certificate by Auditor]</i>

**Clarification No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

4.10	Format for Attachment-25 (Compliance to the process related to the e-RA) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 19	Page No 100 / 100 [22_Volume-III_Attachment-25-Compliance to the process related to the e-RA]
4.11	Format for Attachment-26 (Declaration regarding events encountered) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 20	Page No 100 / 100 [23_Volume-III_Attachment-26_Declaration regarding events encountered pursuant to ITB Clause 2-1]
4.12	Format for Attachment-27 (Certification as per DoE Order) to Bid Form (First Envelope Bid)	Buyer Added Bid Specific ATC at Sl. No. 21	Page No 100 / 100 [24_Volume-III_Attachment-27-Certification by the Bidder per DoE Order in line with ITB Clause 2-1]
4.13	Format for Attachment-28 (Declaration reg GST) to Bid Form (First Envelope Bid)	<b>'Additional Document 4'</b> in each of the BOQ item.	The uploaded 'Format for Attachment-28' is reflected in each of the BOQ item. Bidders can download 'Format for Attachment-28' from the hyperlink available at <b>'Additional Document 4'</b> from any of the BOQ item listed in the GeM bid.  [25_Volume_3_Attachment_28_Declaration_reg_GST]
4.14	Note to Volume-III: BOQ items of various Price Schedules against which prices are required to be quoted by the bidders are available on GeM portal itself.	The description of the BOQ items in GeM bid is identified as 'Price Schedule-x_Item No y_Description of BOQ Item'. For understanding Price Schedule wise break-up of BOQ items displayed on GeM bid, bidders may refer ITB/BDS Clause 11.3	Page No 7/100 to Page No 97/100.

**Clarification No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

5.0	General clause/information displayed in GeM bid pertaining to Consignee, Local Content (MII Policy), Delivery Period, EMD %, e-PBG, MII policy, Reverse Auction, Exemption to Start-Ups / MSEs, Total Quantity / Primary product	<p>Provisions pertaining to said clause shall be superseded by the provisions mentioned in Buyer Added Bid Specific ATC at Sl. No. 1 of Buyer Added Bid Specific Terms and Conditions. To get further clarity on these aspects, Bidder may note the following:</p> <ol style="list-style-type: none"> <li>1. Provisions of Vol-I, II &amp; III of the Bidding Documents uploaded in ATC, 'Specification Document' &amp; 'Additional Specification Documents' in GeM Bid, will supersede the GeM GTC and the provisions displayed in the GeM Bid. Further, the documents uploaded under the head 'Specification Document' &amp; 'Additional Specification Documents' are Part of ATC.</li> <li>2. Consignee displayed in GeM Bid is indicative only. Actual Consignee details shall be shared with successful bidder(s) during project execution.</li> <li>3. Local Content of 50% for Class-I Local Supplier indicated against every BOQ item in GeM bid is for the entire package and not for the respective individual item. The % of MLC to qualify as Class-I LS and Class-II LS is 50% and 20% respectively as defined in Sec-III, BDS, Vol-I in ATC.  Purchase preference to Class-I LS shall be governed as per the provisions of ITB/BDS, Vol-I in ATC, which shall supersede the provisions of MII Policy displayed in the GeM Bid.</li> <li>4. Delivery Period (DP) &amp; Specification Documents displayed against every BOQ item in GeM Bid is total Contract duration &amp; Technical Specifications respectively for the entire package. DP shall be as per Sec-III, BDS, Vol-I in ATC.</li> </ol>	Page No 98 / 100
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**Clarification No.-1 dated 16.03.2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

		<p>5. Bid Security/EMD provisions shall be governed as per ITB/BDS, Vol-I in ATC, superseding the displayed provisions of EMD in GeM Bid. EMD % displayed in the GeM Bid is indicative only and is not correlated with EMD amount.</p> <p>If bidder chooses to submit EMD in BG form, the same shall be submitted in the BG format enclosed at Sec-VI, Vol -I in ATC.</p> <p>6. e-Reverse Auction (e-RA or RA) shall be conducted as per the provisions of ITB, Vol-I in ATC, superseding the displayed provisions of RA in the GeM Bid.</p> <p>7. Total Quantity / Primary product displayed in the GeM Bid is indicative. The provisions for same shall be governed as per ATC.</p> <p>8. Document required from seller shall be governed as per the ATC.</p> <p>9. Exemption to Start-Ups / MSEs and provisions of e-PBG shall be governed as per ATC.</p>	