

Clarification 1: Pre-Bid Clarifications and Amendments

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
1.	Pg. 51 Section 3: Instructions to Bidders and Bid Data Sheet 27. PIA's Right to Vary Quantities at the time of Award	It is requested to modify the current clause as decreasing the quantity post award will have an impact on the EMI and therefore affect the recovery of the AMISP investment planned. Moreover this being the RFP for System Metering, there should not such drastic variation in quantity of meters defined. Suggestion : Utility reserves the right to increase the number of items under the AMISP Contract subject to the limit of up to +/- 5% (Five percent) of the existing number of items, covered under the AMISP Contract, without any change in the unit prices or other terms and conditions of the AMISP Contract and the Bid.	27.1) PIA reserves the right to increase or decrease the number of items under the AMISP Contract subject to the limit of - 20% (twenty percent) up to +40% (forty percent) of the existing number of items (as provided in Form 1 given in Section 5), covered under the AMISP Contract, without any change in the unit prices or other terms and conditions of the AMISP Contract and the Bid.	Conditions as per the RFP shall prevail	Clarification
2.	Pg. 109,110 Section 5. Financial Proposal – Forms Format 2	In the Form 18 and 19 Format 1 & Format 2, "Name of the SPV" is required to be mentioned. It is understood that SPV shall be formed by the Selected Bidder post bidding. Hence, it is requested to consider to mention "SPV TO BE FORMED" in place of "NAME OF SPV" in these forms. In addition to this, we presume that Resolution: 1 and 4 is applicable instead of Resolution: 1, 2 and 4 for the Bidder	Annexure: Illustration for Applicable Board Resolution Requirements Under Clause 15 of Section 3 Bidder himself for 100% equity meter : a) Format I of Annexure 11- Resolution:1,2 and 4 from the Bidder.....	Bidders can mention "SPV to be formed" in case SPV is not yet formed. In relation to the resolutions 1,2,3 and 4 the conditions in the RFP shall prevail	Clarification

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		participating as sole bidder. Please confirm. Also in case where Bidder is the Parent / Ultimate Parent Company, then Resolution 2, 3 shall not be applicable. Please confirm.			
3.	Pg. 83, 95, 108 Section 4. Technical Proposal – Forms	From illustration for Applicable Board Resolution, we understand that if Bidder himself is the Ultimate Parent Company and invests 100% equity in the project, then Undertaking from affiliate/s for equity investment obligation is not required and accordingly in the form Form-7, 11, 17 need not be filled / staked out for bidding purpose. Please confirm.	Form 7: We undertake that we fulfil the Eligibility Criteria stipulated in the RFP and fulfil all the eligibility requirements as the Lead Consortium Member/ Sole Bidder as outlined in the RFP. We hereby confirm that in accordance with Clause 7 of Section 2 of the RFP, we are herewith submitting legally binding undertaking supported by a board resolution from the [insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be] that all the equity investment obligations of [insert name of the Sole Bidder/ Lead Consortium Member] shall be deemed to be equity investment obligations of the [insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be] and in the event of any default by [insert name of the Sole Bidder/ / Lead Consortium Member], the same shall be met by [insert name of Technically Evaluated Entity and/or Financially	As already mentioned in point 2 of form 7, that investment obligations as per format to be inserted only in case the bidder has sought qualification on the basis of technical and financial capability of its Affiliate(s) and/or its parent. Further Form -11 mentions of mentioning investment obligations to be inserted if applicable. Form 17 to be provided for Authorization from Parent / Affiliate of Sole Bidder / Member of Bidding Consortium Whose Technical / Financial Capabilities has been used by the Sole Bidder / Member of Bidding Consortium. Accordingly, the forms to be submitted as applicable.	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

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			<p>Evaluated Entity or its Ultimate Parent Company, as the case may be].</p> <p>Form 11: We hereby confirm that in accordance with Clause 7 of Section 2 of the RFP, we are enclosing legally binding undertaking supported by a board resolution from the [insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be] that all the equity investment obligations of [insert name of the Member] shall be deemed to be equity investment obligations of the [insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be] and in the event of any default [insert name of the Member], the same shall be met by [insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be]. [Insert if applicable]</p> <p>Form 17: We have carefully read and examined in detail the RFP including in particular, Clause 7 of Section 2 of the RFP, and we are also submitting legally binding undertaking supported by a board resolution that all the equity investment obligations of M/s [Insert Name of Sole</p>		

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

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			Bidder / Consortium Member], shall be deemed to be our equity investment obligations and in the event of any default the same shall be met by us.		
4.	Pg.101 Section 5. Financial Proposal – Forms	Please mention the quantity of workstation consoles, Firewall and Router. Also please share the detailed specification of these items	Table 3: List of Materials and Services for Hardware [Indicative Only. To be defined by AMISP]	The list of material is to be supplied by the vendor in order to achieve SLA commitments, the Minimum specifications of items are provided Form 21: Data Requirement Sheet	Clarification
5.	Pg.104 Section 5. Financial Proposal – Forms	Please specify the number of retail distribution centres, workstation consoles, computer systems required. Whether AMISP to engage manpower in Recharge centres. Please give the technical specification of workstation consoles, computer system.	Table 6: List of Materials and Services for Infrastructure for Recharge through Feature Phones/ Offline Channels [Indicative Only. To be defined by AMISP]	Table 6 is deleted as retail distribution centers has been descoped.	Amendment
6.	Pg. 158 Section A: Bill of Materials and Services for Smart Meters. To be filled by AMISP. The Total Quantity of	It is not clear from given note that is that how many Meter boxes of which category (1Ph / 3Ph WC/3Ph LTCT / 3Ph HT CTPT Meters) are available with JPDCL? will JPDCL is going to provide all Meter Boxes? Pls confirm.	Note: For quoting the AMISP service charge, bidders to factor in the quoted price on account of usage of existing meter boxes of JPDCL	The Note stands deleted. Note: For quoting the AMISP service charge, bidders to factor in the quoted price on account of usage of existing meter boxes of JPDCL All Meter Boxes are to be provided by AMISP. This is a part of BoQ items 1.1 to 1.5. Meter Box cost has to be added by the bidder in the costing of line item 1.1 to 1.5 of the Financial bid.	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

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	Smart Meters and Lumpsum payment amount to be defined by the PIA				
7.	Pg.159 Section 5. Financial Proposal – Forms	Utility is requested to provide the Numbers of LTCT Consumer and DT Meters. as per their capacity to determine the type of CT's required as per the BOQ.	Three phase LT-CT operated Smart Meter with NIC Card– DT Meter with CTs, control cables, with DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal with Adequate mounting arrangement	Capacity-wise breakup for Distribution Transformers and LT CT Consumers attached as Annexure A	Clarification
8.	Pg.159 Section 5. Financial Proposal – Forms	We understand that all CTPT Units (or separate CT & PT) will be provided by RECPDCL / JKPDCL, pls confirm	Three phase CT/PT operated Smart Meter with NIC Card – HT Consumer with control cables, with DI provisions and Back-end IT Infra with associated works and requisite no. of polycarbonate seal without CT	For LT-CT meters CT will be provided by AMISP along with meter and For HT-CT/PT consumer, the CT/PT unit will be provided by JPDCL through consumers	Clarification
9.	Pg.160 Annexure: Quoted prices for the	Bidder understand that the SoR rate for LT Auxiliary items are for reference purpose only. Actual rates will be based on rates quoted by successful bidders and it may be higher or lesser than SoR rates. Please confirm.	Note: Rate per unit quoted by the bidder shall not exceed the SoR rates as approved by the Utility. In case SoR is not available for any specific item, rate per unit quoted by the bidder shall not exceed the estimated unit rate to be provided by the Utility. In case of any variation, the	The rates to be quoted by the bidder shall not exceed the SoR rates as approved by the utility. The rates in the table are the upper ceiling for quotation	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

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	Financial Bid.		same shall be adjusted against AMI Components		
10.	Pg. 166 1.4 Brief Scope of Work:	During Per-Bid Meeting it was informed that JPDCL is already having MDM and using MDM, now AMISP needs to intergrade all other applications with existing MDM of JPDCL and need not to provide MDM. Please confirm	(d) Meter Data Management system (MDM) with prepaid functionality (as a part of MDM or through a separate pre-payment application) and deployment on cloud as per Clause 2.4 of this Section;	As mentioned in RFP, the AMISP has to provide its own MDM and same shall be integrated with existing billing and other systems of JPDCL. Bidder may refer to Annexure L of the RFP for details.	Clarification
11.	Pg. 172 Section 6. Project Requirements 2) Supply, installation, integration, testing and commissioning of: 2.1) Smart Meters	It is requested to amend this clause as "Any new meter in consultation with utility or facilitate integration as per mutually discussed and agreed techno-commercial terms."	In future, it would be AMISP's responsibility to integrate new meter in consultation with Utility/PIA or facilitate integration of other application as per the approach paper submitted under the Project Implementation Plan.	Conditions as per the RFP shall prevail	Clarification
12.	Pg. 180 Section 6. Project Requirements 2.3 Head End	Kindly suggest the data retention period at HES after transferring to MDM	The suggested functions of HES (not exhaustive) may be: i) Store raw data for defined duration (minimum 30 days for all meters). HES shall hold the data before it is transferred to the MDM	The data retention period for HES shall be 30 days irrespective of transfer frequency between HES and MDMS	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	System (HES):				
13.	Pg. 199 Section 6. Project Requirements 2.6 Network Operation & Monitoring Centre	it is requested to provide clarity on connectivity type from cloud Based MDM/HES to NOMC. We understand that connectivity type will be VPN only. Pls. confirm.	AMISP shall establish connectivity between the workstations located at the NOMC with that of the cloud-based MDM-HES system. In addition, the AMISP 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 center.	The connectivity between NOMC workstations and cloud based MDM-HES shall be over VPN maintaining the security. Further, MDM-HES connection shall be over VPN maintaining the security.	Clarification
14.	Pg. 200 Section 6. Project Requirements 2.6 Network Operation & Monitoring Centre	It is requested to kindly share the details of location of NOMC for assessing the feasibility and access. Physical link delivery at NOMC location might incur significant cost and hence clarity on tentative location be shared with bidders	2.6.2) Minimum Technical Requirements for NOMC Hardware: c) Internet router with at least 48 no's 1 Gbps LAN ports and redundant at least 2 Gbps internet ports supporting IPsec, and SSLVPN capability	The NOMC shall be established in Utility premises located in Jammu City	Clarification
15.	Pg. 220 7.7 Service Level Agreement (SLA)	As per RFP in case of noncompliance of SLA during the O&M phase, the said penalty will be deducted from AMISP service charge. Considering huge investment by AMISP in the entire contract period it is suggested to amend	the total penalties under SLA categories are capped at [20%] of AMISP Service Charge.	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
		the clause as "The total penalties under SLA categories shall be capped at [10%] of AMISP Service Charge".			
16.	Pg. 222, 166, 169 4. Consumer Indexing, 1.4D, 1.13 E and 1.13I	Bidder shall only be responsible for the consumer indexing and accordingly will map the consumer details with its DT & feeder only, poles are not included in consumer Indexing please confirm.		Poles are not included in consumer indexing.	Clarification
17.	Pg. 364 9. Force Majeure	In case of delay in Installation (post-delivery) of the meter & other equipments at JPDCL site attributed to force majeure condition or any pandemic or any other unforeseen untoward situation, how will the guarantee/ warranty of the equipment deployed under the project trailed. Please clarify.	Bidder requests RECPDCL / JPDCL to incorporate the "Pandemic" effect in Indirect Non - Natural Force Majeure Events Clause also considering the events like recent worldwide impact of the Covid-19 pandemic.	The same shall be dealt as per relevant provisions of RFP in case of Force majeure.	Clarification
18.	Pg. 397 Section 7. Contract Forms and Conditions of Contract 7. Liquidated Damages,	It is requested to PIA to relax the LD charges from 50% to 05 % as the payment of meters through EMI's will only start upon commissioning of meters, therefore an inbuilt penalty is already factored in the DBFOOT model.	PIA shall without prejudice to all its other remedies under the Contract, deduct from the amount due to be paid, as liquidated damages, 50% of AMISP Service Charge for each delayed meter for each completed month of delay for a maximum period of 12 (twelve) months.	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

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	Penalty and Incentive				
19.	Pg. 395 Section 7. Contract Forms and Conditions of Contract/ Pont No. 5.2.11.	It is requested to clarify the modality for the raising of supplementary invoice, based on which the AMISP would be able to recover the balance EMI's of the damaged meter as well as cover the cost of new meter to be installed.	Upon replacing the Smart Meter, AMISP shall be entitled to raise a supplementary invoice for the amount mutually agreed between AMISP and the PIA.	As mentioned in the RfP, the AMISP shall be eligible for raising invoice on mutually agreed rates between AMISP and the PIA of meter replacement if in case the malfunction was on account of utility or consumer or new meters.	Clarification
20.	General Clarification	During the project period, how it will be determined, whether the meter has failed due to manufacturing defects or due to consumer / infrastructure fault. Pls Clarify		The same shall be carried out through Root cause analysis as per prevailing practices of utility	Clarification
21.	General Clarification	It is requested to provide the bifurcation of district/division/category wise customers covered under rural and urban		Attached as Annexure B (11 towns under RAPDRP is taken as Urban and Non RAPDRP towns are taken as Rural.)	Clarification
22.	Bid Submission extension	The Bid submission deadline is 03.04.2023. Considering the scale of the project and involvement of the multiple solution partners, we request you to extend the bid submission date by 04 weeks post issuance of clarification/corrigendum, as present		The same shall be as mentioned/extension, if any, on GeM portal.	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
		deadline is too short for submission of techno-commercial bid.			
23.	Pg.103 Section 5. Financial Proposal – Forms	Kindly provide details for recharge centres building, Electricity, Manpower in which scope.	Table 6: List of Materials and Services for Infrastructure for Recharge through Feature Phones/ Offline Channels	Table 6 is deleted as retail distribution centers has been descoped.	Amendment
24.	Pg. 123 Section 5. Financial Proposal – Forms	Kindly note that adaptability between NAN and WAN Communication is possible through Firmware upgradation. Please accept the same.	38 -Plug-in Communication Module The Smart Meters shall be 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.	Accepted. The adaptability to be ensured at firmware as well as hardware level for Meter along with NIC Card by the AMISP.	Clarification
25.	Pg. 130 Section 5. Financial Proposal – Forms	As per IS 15959 : part3 export Time of Use parameters are not required. Please clarify.	16. Time ToD use Time of Use-(In case of net-meter both export & import parameters to be measured)	Export is not accounted for as per IS, hence not required. Although, meter should be able to adapt to ToD functionality.	Clarification
26.	Pg. 159	Kindly provide Ratio for CTs used in LTCT-DT meters. As other utility also	Three phase LT-CT operated Smart Meter with NIC Card– DT Meter with CTs, control cables, with DI provisions	Attached as Annexure C	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Section 5. Financial Proposal – Forms	providing CT Ratio of present installed meters.	Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal with Adequate mounting arrangement		
27.	Pg. 159 Section 5. Financial Proposal – Forms	We understand that HT Consumer meters required 5A, CI 0.5s without CT PT. If any change then please clarify.	Three phase CT/PT operated Smart Meter with NIC Card – HT Consumer with control cables, with DI provisions and Back-end IT Infra with associated works and requisite no. of polycarbonate seal without CT	Confirmed.	Clarification
28.	Pg. 166 Section 6. Project Requirements	Kindly Clarify details.	1.4 Brief Scope of Work B. Material, tools and other accessories (not covered in BoQ) required for dismantling, civil work and installation of the new meter, shall also be in the scope of AMISP.	Conditions as per the RFP shall prevail	Clarification
29.	Pg. 172 Section 6. Project Requirements	It may not be feasible to Integrate / Interoperate the NIC Module of various Manufacturers unless otherwise it shall require NEW DEVELOPMENT of every Meter Manufacturer. Therefore, we request to kindly remove this requirement and accept Manufacturers Design instead of Module Design	2.1 Smart Meters 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	Conditions as per the RFP shall prevail	Clarification
30.	Pg. 172	Kindly amend this clause as-Any new meter in consultation with utility or	2.1 Smart Meters	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Section 6. Project Requirements	facilitate integration as per mutually discussed and agreed techno-commercial terms in line with the approach paper...	In future, it would be AMISP's responsibility to integrate new meter in consultation with Utility or facilitate integration of other application as per the approach paper submitted under the Project Implementation Plan.		
31.	Pg. 173 Section 6. Project Requirements	We understand, In case of cellular SIM management (Activation / Deactivation / NW availability etc.) Provided by Airtel / Vodafone/ etc. via APIs which will be integrated in HES. Please confirm. It has been seen that telecom companies do not share these details.	2.2.1 General Requirements 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	Conditions as per the RFP shall prevail	Clarification
32.	Pg. 180 Section 6. Project Requirements	Kindly suggest the data retention period at HES after transferring to MDM.	2.3 HES i) Store raw data for defined duration (minimum 30 days). HES shall hold the data before it is transferred to the MDM.	The data retention period for HES shall be 30 days irrespective of transfer frequency between HES and MDMS	Clarification
33.	Pg. 181 Section 6. Project	The configuration should be inline with IS 16444(Part1 & Part 2) & IS 15959 (Part 2 & 3) requirements.	2.3 HES	Conditions as per the RFP shall prevail	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Requirements		<p>HES shall facilitate configuration of following minimum AMI parameters:</p> <p>j) Number of auto reconnection attempt</p> <p>k) Time interval between auto reconnection attempts</p> <p>l) Lock out period for endpoint (meter) relay</p> <p>p) Setting threshold limits for monitored parameters</p>		
34.	Pg. 182 Section 6. Project Requirements	Kindly remove this requirement because email/SMS notification send feature should be in MDMS.	<p>2.3.3.2 Non-Critical Reporting</p> <p>HES shall have feature to send email/SMS notification of configured alarms & events to its users.</p>	Conditions as per the RFP shall prevail	Clarification
35.	Pg. 199 Section 6. Project Requirements	<p>Required clarity on connectivity type from cloud Based MDM/HES to NOMC</p> <p>It is understood that connectivity type will be VPN only. Please confirm.</p>	<p>2.6 Network Operations and Monitoring Center</p> <p>AMISP shall establish connectivity between the workstations located at the NOMC with that of the cloud-based MDM-HES system. In addition, the AMISP 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</p>	<p>The connectivity between NOMC workstations and cloud based MDM-HES shall be over VPN maintaining the security.</p> <p>Further, MDM-HES connection shall be over VPN maintaining the security.</p>	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

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36.	Pg. 200 Section 6. Project Requirements	As the connectivity between NOMC and HES/ MDMS cloud shall be on Private MPLS network, hence we suggest entry level UTM including higher concurrent inbound/ outbound concurrent connections.	2.6.2 Minimum Technical Requirements for NOMC Hardware d) Firewall and intrusion protection system	Bidder to provide requisite security with minimum specified specification as mentioned in the RFP	Clarification
37.	Pg. 200 Section 6. Project Requirements	It should be as per system requirement hence request you to amend the clause as " Internet router with required no's with 1 Gbps LAN ports and redundant at least 2 Gbps internet ports supporting IPsec, and SSLVPN capability"	2.6.2 Minimum Technical Requirements for NOMC Hardware c) Internet router with at least 48 no's 1 Gbps LAN ports and redundant at least 2 Gbps internet ports supporting IPsec, and SSLVPN capability	Router can be provided as per system requirement to meet the performance levels as specified in the RFP	Amendment
38.	Pg. 200 Section 6. Project Requirements	Kindly amend 2 Gbps to max bandwidth availability at respective NOMC.	2.6.2 Minimum Technical Requirements for NOMC Hardware i) 2 Gbps internet connectivity	Bandwidth to be provided as per system requirement to meet the performance levels as specified in the RFP.	Amendment
39.	Pg. 200 Section 6. Project Requirements	kindly clarify which type of printer and quantity of colour or b/W	2.6.2 Minimum Technical Requirements for NOMC Hardware NOMC printers	Minimum requirement of printer are defined in clause 2.6.2 Minimum Technical Requirements for NOMC Hardware and in the table below with column name <i>Minimum Requirements for Printers not limited to.</i>	Clarification
40.	Pg. 218 Section 6. Project	Request you to amend as "Network & O/S scanning tools shall be provided to identify vulnerability & security threats	2.7.7 Cyber Security – General Guidance	Conditions as per the RFP shall prevail	Clarification

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	Requirements		b) Application, scanning and hardware scanning tools shall be provided to identify vulnerability & security threats		
41.	Pg. 267 Annexure F -General requirement for common pluggable communication module for Smart Meters	<p>Every Meter Manufacturers have their own Size and Mounting arrangements of NIC Module.</p> <p>The NIC Module Size, fixing arrangement and connection with the Meter shall vary from different Manufacturer to Manufacturer.</p> <p>So, it may not be feasible to Integrate / Interoperate the NIC Module of various Manufacturers unless otherwise it shall require NEW DEVELOPMENT of every Meter Manufacturer.</p> <p>Therefore, we request to kindly remove this requirement and accept Manufacturers Design instead of Module Design mentioned here under.</p>	<p>Considering that the new Smart Meters may use different types of communication technologies (RF/PLCC/Cellular/NB-IoT, etc.), thus in order to enable different communication modules to be used in the same meter, it is necessary to use a universal interface and a particular size irrespective of the choice of communication technology that defines the dimensions of the communication slot as well as physical placement and location of connectors</p> <p>part II -- Size & Pin configuration .</p> <p>And also drawings are mentioned Page no 295 – 298</p>	As mentioned in the RFP, the standard design shall be adopted in all smart meters after one year from BIS certification.	Clarification
42.	Pg. 268 Annexure A- Technical Specifications for Whole Current A.C. Single	Kindly accept Physical SIM Card of any Service Provider alternatively.	<p>Communication</p> <p>In case of Cellular based meter, the meter shall accommodate SIM card/ e-SIM of any service provider. In case of Plug-in type communication module, the meter shall log communication module removal /non-responsive event with snapshot.</p>	<p>Physical sim card is included in the specification:</p> <p>In case of Cellular based meter, the meter shall accommodate SIM card/ e-SIM of any service provider.</p>	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Phase Smart Energy Meter				
43.	Pg. 270 Annexure A- Technical Specifications for Whole Current A.C. Single Phase Smart Energy Meter	Kindly note that adaptability between NAN and WAN Communication is possible through Firmware upgradation.	<p>Plug-in Communication Module</p> <p>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/PLCC/ Cellular) with the Smart Meters, leading to easy adaptability for network interfaces (WAN/NAN). The Plug-In module shall be field swappable/ replaceable.</p>	Accepted. The adaptability to be ensured at firmware as well as hardware level for Meter along with NIC Card by the AMISP.	Clarification
44.	Pg. 272 Annexure A- Technical Specifications for Whole Current A.C. Single Phase Smart	<p>Name Plate printing details will be provided on meter top cover.</p> <p>Kindly accept.</p>	<p>Name plate and marking</p> <p>The name plate on the meter should be clearly visible, effectively secured against removal and indelibly/distinctly marked in accordance with relevant IS. In addition, "Name of the Utility", purchase order no. & year/month of manufacturing shall be provided on the name plate. The rating plate information shall be as per relevant IS.</p>	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

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	Energy Meter				
45.	Pg. 275 Annexure A- Technical Specifications for Whole Current A.C. Single Phase Smart Energy Meter	Kindly accept the (-) head type screws which is more suitable .	Allen Screw head size	Conditions as per the RFP shall prevail	Clarification
46.	Pg. 276 APPENDIX- A.1 TAMPER CONDITIONS FOR SINGLE PHASE WHOLE CURRENT METER	If meter get affected by ESD/Jammer at any point of ESD/Jammer condition then meter will record the event of ESD/Jammer.	Immunity up to 50 KV with NIC and logging of event >50 KV	The meter shall be immune upto 35kV. If meter get affected by ESD/Jammer at any point of ESD/Jammer condition then meter will record the event of ESD/Jammer.	Clarification
47.	Pg. 276	We request you to kindly accept the persistence time of magnet for	Persistence Time for Occurrences and restoration for magnet –	Please refer Sr. No. 126	-

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	APPENDI X- A.1 TAMPER CONDITI ONS FOR SINGLE PHASE WHOLE CURRENT METER	occurrence and restoration time with in 10 sec.	Magnet = 0 Hr 2 Min 0 sec (MAG)		
48.	Pg. 276 APPENDI X- A.1 TAMPER CONDITI ONS FOR SINGLE PHASE WHOLE CURRENT METER	We request you to kindly accept the magnetic condition as per CBIP 325.	Occurrence and restoration threshold of the magnet – > 0.5 Tesla for permanent magnet OR DC magnetic induction > 0.2T OR AC magnetic induction > 10 mT	Acceptance criteria for mentioned magnet tampering in this specification will be CBIP 325, latest version.	Amendment
49.	Pg. 276 APPENDI X- A.1 TAMPER CONDITI ONS FOR SINGLE PHASE	Current threshold will be minimum 1 amp for neutral missing condition (where battery is used for voltage reference) and meter accuracy will be +/-4%. Kindly accept.	Threshold Value for Occurrence of the single wire condition – a) At a current of >500mA under tamper condition of neutral missing (where battery is used for voltage reference). Meter will perform the fraud energy registration above 500mA assuming Vref (from battery) and UPF.	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	WHOLE CURRENT METER				
50.	Pg. 276 APPENDI X- A.1 TAMPER CONDITI ONS FOR SINGLE PHASE WHOLE CURRENT METER	In such condition the meter will log the Neutral disturbance tamper and accuracy will be +/- 4%. Kindly accept.	Threshold Value for Occurrence of the single wire condition – c) Condition no. 38 of Annexure I (Timer test): The timer operation duration on/off time for 30 seconds with constant current for 30 min.	Meter accuracy during timer condition is acceptable for +/-4%	Amendment
51.	P. 277 APPENDI X- A.1 TAMPER CONDITI ONS FOR SINGLE PHASE WHOLE CURRENT METER	We request you to reach DI port shall be compliance to 6 kV impulse and remove the microwave tamper because such tamper is not defined in any IS 16444 Part 1/IS 15959 Part 2.	Microwave - Any higher frequency magnetic waves, micro waves > 10 mT	Conditions as per the RFP shall prevail	Clarification
52.	Pg. 278 Annexure B Technical	Kindly accept Physical SIM Card of any Service Provider alternatively.	Communication - In case of Cellular based meter, the meter shall accommodate SIM card/ e-SIM of any	Physical sim card is included in the specification:	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Specifications for Whole Current A.C. Three Phase Smart Energy Meter		service provider. In case of Plug-in type communication module, the meter shall log communication module removal /non-responsive event with snapshot.	In case of Cellular based meter, the meter shall accommodate SIM card / e-SIM of any service provider.	
53.	Pg. 279 Annexure B Technical Specifications for Whole Current A.C. Three Phase Smart Energy Meter	We request you to kindly accept load switch category UC 1 or better.	Category Connect/Disconnect switch - Category – UC1	Accepted. Further, relevant test certificate to be provided.	Amendment
54.	Pg. 280 Annexure B Technical Specifications for Whole Current A.C. Three	Kindly note that adaptability between NAN and WAN Communication is possible through Firmware upgradation.	Plug-in Communication Module - 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/PLCC/ Cellular) with the Smart Meters, leading to easy adaptability for network interfaces (WAN/NAN). The	Accepted. The adaptability to be ensured at firmware as well as hardware level for Meter along with NIC Card by the AMISP.	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Phase Smart Energy Meter		Plug-In module shall be field swappable/replaceable.		
55.	Pg. 284 APPENDI X- B.1 TAMPER CONDITI ONS FOR THREE PHASE WHOLE CURRENT METER	If meter get affected by ESD/Jammer at any point of ESD/Jammer condition then meter will record the event of ESD/Jammer.	ESD/JAMMER - Immunity up to 50 KV with NIC and logging of event >50 KV	The meter shall be immune upto 35kV. If meter get affected by ESD/Jammer at any point of ESD/Jammer condition then meter will record the event of ESD/Jammer.	Clarification
56.	Pg. 284 APPENDI X- B.1 TAMPER CONDITI ONS FOR THREE PHASE WHOLE CURRENT METER	We request you to kindly accept the persistence time of magnet for occurrence and restoration time with in 10 sec.	Persistence Time for Occurrences and restoration for magnet - Magnet = 0 Hr 2 Min 0 sec (MAG)	Please refer Sr. No. 126	-

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
57.	Pg. 284 APPENDI X- B.1 TAMPER CONDITI ONS FOR THREE PHASE WHOLE CURRENT METER	We request you to kindly accept the magnetic condition as per CBIP 325.	Occurrence and restoration threshold of the magnet – > 0.5 Tesla for permanent magnet OR DC magnetic induction > 0.2T OR AC magnetic induction > 10 mT	Acceptance criteria for mentioned magnet tampering in this specification will be CBIP 325, latest version.	Amendment
58.	Pg. 284 APPENDI X- B.1 TAMPER CONDITI ONS FOR THREE PHASE WHOLE CURRENT METER	Current difference > 30% between phases and Imin 10% of Ib in all phase current. Kindly accept.	Threshold value of occurrence of the current unbalance - Current difference > 30% between phases and Imin 10% of Ib	Current difference > 30% between phases and Imin 10% of Ib in all phase current.	Amendment
59.	Pg. 284 APPENDI X- B.1 TAMPER CONDITI ONS FOR	Current difference < 20% between phases and Imin >5% of Ib in all phase current. Kindly accept.	Threshold value of restoration of the current unbalance - Current difference < 20% between phases and Imin >5% of Ib	Current difference < 20% between phases and Imin >5% of Ib in all phase current.	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	THREE PHASE WHOLE CURRENT METER				
60.	Pg. 284 APPENDI X- B.1 TAMPER CONDITI ONS FOR THREE PHASE WHOLE CURRENT METER	I>1% of Ib and Power Factor < 0.5 in respective phase Kindly accept	Threshold value of restoration of the low power factor - I>1% of Ib and Power Factor < 0.7 in respective phase	Conditions as per the RFP shall prevail	Clarification
61.	APPENDI X- B.1 TAMPER CONDITI ONS FOR THREE PHASE WHOLE CURRENT METER	We request you to kindly remove the microwave tamper because such tamper is not defined in any IS 16444 Part 1/IS 15959 Part 2.	Microwave - Any higher frequency magnetic waves, micro waves > 10 mT	Conditions as per the RFP shall prevail	Clarification
62.	Annexure C, Three phase	Kindly accept Physical SIM Card of any Service Provider alternatively.	Communication - In case of Cellular based meter, the meter shall accommodate SIM card/ e-SIM of any	Physical sim card is included in the specification:	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	CT operated alternating current Smart Meter of Accuracy Class 0.5S (DT Meter, LT-CT Meter, etc.)		service provider. In case of Plug-in type communication module, the meter shall log communication module removal /non-responsive event with snapshot.	In case of Cellular based meter, the meter shall accommodate SIM card / e-SIM of any service provider.	
63.	Pg. 289 Appendix C.1 TAMPER CONDITIONS FOR THREE PHASE LTCT SMART METERS	If meter get affected by ESD/Jammer at any point of ESD/Jammer condition then meter will record the event of ESD/Jammer.	ESD/JAMMER - Immunity up to 50 KV with NIC and logging of event >50 KV	The meter shall be immune upto 35kV. If meter get affected by ESD/Jammer at any point of ESD/Jammer condition then meter will record the event of ESD/Jammer.	Clarification
64.	Pg. 289 Appendix C.1 TAMPER CONDITIONS FOR THREE	We request you to kindly accept the persistence time of magnet for occurrence and restoration time with in 10 sec.	Persistence Time for Occurrences and restoration for magnet – Magnet = 0 Hr 2 Min 0 sec (MAG)	Please refer Sr. No. 126	-

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	PHASE LTCT SMART METERS				
65.	Pg. 289 Appendix C.1 TAMPER CONDITI ONS FOR THREE PHASE LTCT SMART METERS	We request you to kindly accept the magnetic condition as per CBIP 325.	Occurrence and restoration threshold of the magnet - 0.5 Tesla for permanent magnet OR DC magnetic induction > 0.2T OR AC magnetic induction > 10 mT	Acceptance criteria for mentioned magnet tampering in this specification will be CBIP 325, latest version.	Amendment
66.	Pg. 289 Appendix C.1 TAMPER CONDITI ONS FOR THREE PHASE LTCT SMART METERS	Current difference > 20% between phases for 100/5A (10% for 200/5A ratio) and Imin 10% of Ib in all phase current. Kindly accept.	Threshold value of occurrence of the current unbalance - Current difference > 20% between phases for 100/5A (10% for 200/5A ratio) and Imin 10% of Ib	Threshold value of occurrence of the current unbalance - Current difference > 20% between phases (10% for 200/5A ratio and above) and Imin 10% of Ib in all phase currents	Amendment
67.	Pg. 289	Current difference < 10% between phases for 100/5A (5% for 200/5A) and	Threshold value of restoration of the current unbalance - Current difference <	Threshold value of restoration of the current unbalance - Current difference >	Amendment

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Appendix C.1 TAMPER CONDITI ONS FOR THREE PHASE LTCT SMART METERS	I _{min} >5% of I _b in all phase current. Kindly accept.	10% between phases for 100/5A (5% for 200/5A) and I _{min} >5% of I _b	10% between phases (5% for 200/5A ratio and above) and I _{min} 5% of I _b in all phase currents	
68.	Pg. 289 Appendix C.1 TAMPER CONDITI ONS FOR THREE PHASE LTCT SMART METERS	I >1% of I _b and Power Factor < 0.5 in respective phase Kindly accept	Threshold value of restoration of the low power factor - I >1% of I _b and Power Factor < 0.7 in respective phase	Conditions as per the RFP shall prevail	Clarification
69.	Pg. 290 Appendix C.1 TAMPER CONDITI ONS FOR THREE PHASE	We request you to kindly remove the microwave tamper because such tamper is not defined in any IS 16444 Part 2/IS 15959 Part 3.	Microwave - Any higher frequency magnetic waves, micro waves > 10 mT	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	LTCT SMART METERS				
70.	Pg. 291 Annexure D, Three phase CT/PT operated alternating current Smart Meter of Accuracy Class 0.5S (as required) – Feeder Meter, Boundary Meter, HT Consumers, etc.	Kindly accept Physical SIM Card of any Service Provider alternatively.	Communication - In case of Cellular based meter, the meter shall accommodate SIM card/ e-SIM of any service provider. In case of Plug-in type communication module, the meter shall log communication module removal /non-responsive event with snapshot.	Physical sim card is included in the specification: In case of Cellular based meter, the meter shall accommodate SIM card / e-SIM of any service provider.	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
71.	Pg. 295 Section 6. Project Requirements	Every Meter Manufacturers have their own Size and Mounting arrangements of NIC Module. The NIC Module Size, fixing arrangement and connection with the Meter shall vary from different Manufacturer to Manufacturer.(single meter & three Phase meter) So, it may not be feasible to Integrate / Interoperate the NIC Module of various Manufacturers unless otherwise it shall require NEW DEVELOPMENT of every Meter Manufacturer. Therefore, we request to kindly remove this requirement and accept Manufacturers Design instead of Module Design mentioned here under, considering the following drawbacks with change in Module Design:	General requirement for common pluggable communication module for Smart Meters - General requirement for common pluggable communication module for Smart Meters	As mentioned in the RFP, the standard design shall be adopted in all smart meters after one year from BIS certification.	Clarification
72.	Pg. 299 Section 6. Project Requirements	it may not be feasible to Integrate / Interoperate the NIC Module of various Manufacturers unless otherwise it shall require NEW DEVELOPMENT of every Meter Manufacturer. Therefore, we request to kindly remove this requirement and accept Manufacturers Design instead of Module Design	PIN Outs may be provided as per below details - The following reference size may be adhered to irrespective of a single or multiple communication options provisioned on the same module. This standard form factor and dimensions will enable physical and functional interoperability with different makes of meters.	As mentioned in the RFP, the standard design shall be adopted in all smart meters after one year from BIS certification.	Clarification
73.	Pg. 314	Bar type CT is not suitable for DT transformer, pls confirm Bar CT	Annexure N Specifications of CT for LT-CT meters -	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Annexure N Specifications of CT for LT-CT meters	required for only SMC box. Please Also Provide CT Ratio.	The CTs shall be of ring type and bar type as per site requirement.	Further, it is clarified that the mounting shall be as per site conditions	
74.	Pg. 315 Annexure N Specifications of CT for LT-CT meters	We request you to kindly accept the CT Bore diameter as per Manufacturer Standards. & We request you kindly reconfirm your requirement as these CTs have installed in SMC Box or Panel Board. Kindly clarify the same.	2.1.TECHNICAL DETAILS: - Bore diameter of the CT shall not be less than 40 mm. Ring type CTs shall have suitable clamp to fix the CT to panel Board, wherever required.	Accepted. However, CT bore diameter should be compatible with the site conditions	Amendment
75.	Pg. 315 Annexure N Specifications of CT for LT-CT meters	Secondary terminals of the CT will be Brass Material	2. Type. - The secondary leads shall be terminated with Tinned Cooper rose contact terminals with arrangements for sealing purposes	Brass Material shall be accepted	Amendment
76.	Pg. 315 Annexure N Specifications of CT for LT-CT meters	we request you to kindly accept the CT Bore diameter as per Manufacturer Standards. & We request you kindly reconfirm your requirement as these CTs have installed in SMC Box or Panel Board. Kindly clarify the same.	Annexure N Specifications of CT for LT-CT meters - Bore diameter of the CT shall not be less than 40 mm. Ring type CTs shall have suitable clamp to fix the CT to panel Board, wherever required.	Refer to Sr. no. 74	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
77.	Pg. 317 Annexure O Meter box	For 1 Phase and 3 Phase polycarbonate meter box with 1:1 and 1:1 i.e one meter will be fitted in one meter box for single phase and 3 phase wc meter. Kindly accept.	Polycarbonate box - Specifications of 1-ph and 3-ph Polycarbonate Meter Box and 2:1 & 4:1 Meter Box for 1-ph Consumers	It is to clarify, all the meter to meter box configuration in the current RFP is 1:1. The same is already elaborated in the Pg. 317 Annexure O, Meter Box- " <i>The bidder shall provide the design specification for the arrangement of 1:1 Meter box for 1-ph Consumers in Polycarbonate meeting the quality requirements as mentioned in the specification for Polycarbonate boxes.</i> "	Clarification
78.	Pg. 318 Annexure O Meter box	The requirement is not clear to us, please clarify in detail, whether only holes in meter box are required to fix the box on wall. Or for Fixing the Meter box on the pole. Please confirm	GENERAL CONSTRUCTIONS: (X) - The meter is to be installed in the Meter Box and the Meter Box in assembled condition shall have provision to fix it to a pole or on wall.	The meter box may be installed on Wall or on Pole as per the local condition. The mounting arrangement (Clamps, bolts, etc) shall be in the scope of AMISP.	Clarification
79.	Pg. 319 Annexure O Meter box	For 1 Phase meter enclosure, Two number inbuilt hinges in Encl. Top cover Approx.:- Top hinge Length 24mm Bottom Hinge length 31mm	GENERAL CONSTRUCTIONS - (vii) The box cover shall be fixed to the base through two number hinges (approx length 30 - 60 mm).	Conditions as per the RFP shall prevail	Clarification
80.	Pg. 319 Annexure O Meter box	For 3 Phase WC meter enclosure, Two number inbuilt hinges in Encl. Top cover Approx. :- Top hinge Length 23.5mm Bottom Hinge length 32mm	GENERAL CONSTRUCTIONS - (vii) The box cover shall be fixed to the base through two number hinges (approx length 30 - 60 mm).	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
81.	Pg. 319 Annexure O Meter box	For 3 Phase WC meter enclosure, 4 Nos, U-shaped latches option is there for better protection	GENERAL CONSTRUCTIONS - (viii) For holding and sealing the box, two U-shaped latches shall be provided. The latch shall be GI sheet with minimum thickness 2 mm, to secure it with the base of the box..	Conditions as per the RFP shall prevail	Clarification
82.	Pg. 320 Annexure O Meter box	For 1 Phase meter enclosure, overlapping is approx 8 ± 1 mm	GENERAL CONSTRUCTIONS - (xiv) Suitable overlapping (approx 10 mm) shall be provided between base and cover to avoid access to the meter or its accessories inside the meter box by any means after sealing the box.	Conditions as per the RFP shall prevail	Clarification
83.	Pg. 320 Annexure O Meter box	For 3 Phase WC meter enclosure,, overlapping is approx 9 ± 1 mm	GENERAL CONSTRUCTIONS - (xiv) Suitable overlapping (approx 10 mm) shall be provided between base and cover to avoid access to the meter or its accessories inside the meter box by any means after sealing the box.	Conditions as per the RFP shall prevail	Clarification
84.	Pg. 331 Annexure N Specifications of CT for LT-CT meters	Need to be confirmation for Indoor CT ratio(which is fix in SMC & Outdoor CT ratio(which is mounted on transformer directly)	Annexure N - CT ratio required 50 to 1000A for DT transformer upto 1000KVA	RFP condition shall prevail.	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
85.	Pg. 339 Annexure P	SS hinges will be provided which is better than brass	Annexure P - Box and CT chamber with SMC lid/shed fitted with the base by two nos. concealed brass hinges.	RFP condition shall prevail	Clarification
86.	Pg. 20 Section 2: Eligibility Criteria	<p>We request you to kindly modify the clause as "Option 1: Should have manufactured and supplied minimum 50,000 nos of Smart meters (cumulative) on any communication technology in Indian/Global Power Distribution Utility in the last 7 (seven) years."</p> <p>Rationale: This ensures AMISP has maximum options for MM OEMs which allows them to choose meters from multiple OEMs, get maximum price benefits (as competition increases) and a healthy supply chain during project execution.</p> <p>It will be in the interest of the Discom to make this criteria relaxed, as the supplies of the OEMs -meeting the current criteria mentioned in the RfP-are largely blocked in other state discom contracts, relaxing this criteria will derisk the implementation of this project.</p>	<p>A. Meter Manufacturer – Technical Requirements</p> <p>Option 1: Should have manufactured and supplied minimum 1,00,000 nos. of Smart meters (cumulative) on proposed communication technology in Indian/Global Power Distribution Utility in the last 7 (seven) years.</p>	Conditions as per the RFP shall prevail	Clarification
87.	General Suggestion	In India currently, almost 250M meters are being tendered out within the next few months. However, the country has limited manufacturing and implementation capacity. Just a few		Conditions as per the RFP shall prevail	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
		<p>AMISPs are taking up contracts for large quantities of meters, with some of them having no experience of deploying meters at scale in India.</p> <p>Since Discom would like to implement the project in a time bound manner, we would also like to make a suggestion that bidders with outstanding orders or existing commitments for more than 300% of the tendered quantity should not be allowed to bid, this is to reduce the implementation risk for the DISCOM.</p>			
88.	Pg 394 Cl. 5.2.11	We request you to kindly clarify on how it will be determined -during the project period-whether the meter has failed due to manufacturing defects or due to consumer /infrastructure fault		The same shall be carried out through Root cause analysis as per prevailing practices of utility.	Clarification
89.	Pg. 270 Table Sr. No. 16	We request you to kindly change the operating temperature range and make it similar to the storage temperature range -as the temperatures in the project area are generally very low and when the meter restarts after the power outage the operating temperature is below -20 Deg., hence we request to kindly modify the temperature range as :	<p>Resistance against climatic influence (as per IS 13779)</p> <p>- Storage temperature - 25 to 70 Deg as per IS 13779, 2020</p> <p>-Operating temperate -10 to 55 Deg as per IS 13779, 2000 (out door)</p> <p>Meter OEM to produce data sheet of components, if so required during detailed engineering, from component</p>	<p>The condition has been mentioned as per IS 13779, 2020.</p> <p>Further, bidders are requested to carry out site survey and provide components to operate in all weather conditions of Jammu region.</p> <p>Meter OEM to produce data sheet of components, if so required during detailed engineering, from component</p>	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments										
		<p>“-Operating temperature -25 to 55 Deg “</p> <p>This will ensure that the meters supplied work under extreme weather conditions.</p>	manufacturers indicating temperature range.	manufacturers indicating temperature range.											
90.	General Clarification	We request you to kindly clarify if the neutral cable is missing/unavailable in any of the project areas then it will be the responsibility of the DISCOM to provide that cabling and any delay in installation due to this shall not be the responsibility of the AMISP.		JPDCL shall provide the neutral cable wherever required	Clarification										
91.	Pg.180 Cl. 1.2 The AMI Project Area	<p>We request you to kindly share the Project Area data in excel as per the format below. This data will be required to assess and identify the associated implementation challenges and will help the bidders to incorporate the cost in the price bid to mitigate these challenges.</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Circle /District/Division</th> <th>% of collection from online payment</th> <th>Meter Failure rate</th> <th>DT Failure rate</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>In case the above data is available on the public domain or on the Discom</p>	Sr. No	Circle /District/Division	% of collection from online payment	Meter Failure rate	DT Failure rate							Attached as Annexure D	Clarification
Sr. No	Circle /District/Division	% of collection from online payment	Meter Failure rate	DT Failure rate											

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
		website, we request you to please share the link for the same.			
92.	Pg. 309 Annexure M	Please share the technical specification of wireless HHU.		<p>Bidder shall provide suitable hardware/mechanism in Smart meters (internal/external) to utility for reading the Smart Meters wirelessly (<i>considering that installation shall be majorly on poles</i>) in case of non-communication and shall have ability to upload the data on HES/MDM for further processing.</p> <p>The bidder shall propose the infrastructure to read the meter during such times.</p> <p>The above provision shall be in addition to the scope of AMISP for Manual meter read through HHU in case of non-communication as mentioned in Section 6 Clause 7.8</p>	Amendment
93.	Pg. 393 Clause 7 Liquidated Damages, Penalty and Incentive	Kindly clarify if there is any delay in installation milestone due to resistance from the consumer end, then the AMISP shall be liable to pay liquidated damages		<p>The AMISP shall be provided sites ready for installation as defined under Section 6. Project Requirement,</p> <p>1.13 Responsibilities of the Utility/PIA</p> <p>s) Ensure that sites for installation for Smart Meters are ready along with service cable including electrical neutral connectivity to the transformer, wherever applicable, for AMISP;</p>	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
94.	Pg. 281 Section 6. Project Requirements Annexure B	We request you to kindly make this tamper configurable as during winters the meters get overloaded which leads to meter damage.	Over Current > Preset value (default value set at 120% Ib)	> Preset value (default value set at 105% I _{max})	Amendment
95.	Pg. 130 Section 5. Financial Proposal – Forms Form 21: Data Requirement Sheet	This is an additional requirement wrt SBD for system metering. As per IS 16444 part2/ IS 14697, tests for 6kV impulse or 4kV isolation are performed by grounding the terminals/ ports. Request accept the same.	34.Digital Input (For DTs)each DI port shall be compliance to 6 kV impulse and 4kV isolation.	Conditions as per RFP shall prevail	Clarification
96.	Pg. 130 Section 6. Project Requirements Annexure M Additional Requirements/	Local level data capture can be provided through CMRI/ Laptop with Optical to USB cable. Requirement of additional wireless communication port in the meter increases the number of ports to be handled by meter's microcontroller, which is not feasible with microcontrollers available in the market. Hence, request modify the clause as below,	Smart Meters to be equipped with suitable technology (IR/RF/etc) for wireless communication with HHU, if required, for capturing data at local level ensuring due security measures.	Bidder shall provide suitable hardware/mechanism in Smart meters (internal/external) to utility for reading the Smart Meters wirelessly (<i>considering that installation shall be majorly on poles</i>) in case of non-communication and shall have ability to upload the data on HES/MDM for further processing. The bidder shall propose the infrastructure to read the meter during such times.	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Specifications	"Smart Meters to be equipped with suitable technology for communication with HHU/MRI, if required, for capturing data at local level ensuring due security measures"		The above provision shall be in addition to the scope of AMISP for Manual meter read through HHU in case of non-communication as mentioned in Section 6 Clause 7.8	
97.	Pg. 130 Section 6. Project Requirements	Request accept 10-100A rating.	Technical specifications for Whole Current A.C. Three Phase Smart Energy Meter Current Rating: 20-100 A	Any range wider than 20-100A can be accepted.	Clarification
98.	Pg. 130 Section 6. Project Requirements	Smart Meters have been designed by the manufacturers uniquely to provide the desired performance. The communication module requirements vary w.r.t their operating voltage, power requirement and other features including physical dimensions and pin configurations for each type of communication technology & their make. Hence specifying a common dimension for Communication module is restrictive. The requirement of common pluggable module with a universal interface as given in the tender specifications does not allow innovation in design & manufacture of Smart Meters as it restricts/limits the efforts in cost reduction of the Meters.	Annexure F GENERAL REQUIREMENT FOR COMMON PLUGGABLE COMMUNICATION MODULE FOR SMART METERS	As mentioned in the RFP, the standard design shall be adopted in all smart meters after one year from BIS certification.	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
		<p>Also once the meters are redesigned, type tests are to be carried out in third party laboratories which are already running full. The timeline for deployment will be beyond 12 months.</p> <p>Request note that plugging in a different make/model of communication module does not guarantee that the Meter & module combine will meet the specification & standard and this will void the warranty of the Meter as well.</p> <p>In view of these multiple reasons, request remove this requirement of common dimensions/pin-out details of the communication module to ensure hassle-free rollout of the AMI solution.</p>			
99.	Pg. 122, 267, 126, 277 Form 21: Data Requirement Sheet Annexure A & B	Adaptability between NAN and WAN communication is possible through firmware up-gradation. Kindly we request to accept the same.	The Smart Meters shall be 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).	Accepted. The adaptability to be ensured at firmware as well as hardware level for Meter along with NIC Card by the AMISP.	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
100.	Pg. 122, 267, 126, 277 Form 21: Data Requirement Sheet Annexure A & B	Kindly note that plug-in communication module shall be replaceable with same make. Kindly we request to accept the same.	The Plug-In module shall be field hot swappable/ replaceable	Conditions shall prevail as per RFP	Clarification
101.	Pg. 265, 275 Annexure A & B	Kindly accept physical SIM card of any service provider alternatively.	In case of Cellular based meter, the meter shall accommodate SIM card/e-SIM of any service provider.	Physical sim card is included in the specification: In case of Cellular based meter, the meter shall accommodate SIM card / e-SIM of any service provider.	Clarification
102.	Pg. 283, 288 Annexure C & D	Kindly note that recurring cost will be more with two SIM cards. You are requested to accept single physical SIM card of any service provider alternatively.	In case of Cellular based meter, the meter shall accommodate dual SIM card/e-SIM of any service provider.	Physical sim card is included in the specification: In case of Cellular based meter, the meter shall accommodate SIM card / e-SIM of any service provider.	Clarification
103.	Pg. 266 , 275, 283, 288 Annexure A, B, C & D	Kindly accept the 'Plug-in communication module removal' event as per corresponding part of IS 15959. 'Plug-in communication non-responsive' event is not supported by corresponding part of IS 15959 and same may be deleted from spec.	In case of Plug-in type communication module, the meter shall log communication module removal/non-responsive event with snapshot.	The clause has been amended as – <i>“In case of Plug-in type communication module, the meter shall log communication module removal event with snapshot.”</i>	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
104.	Pg. 178 Section 6: Project Requirements Clause 2.3	We request to accept the HES System on windows based platform.	HES shall be developed on open platform based on distributed architecture for scalability without degradation of the performance using additional hardware.	Conditions as per the RFP shall prevail	Clarification
105.	Pg. 178 Section 6: Project Requirements Clause 2.3	This is not practicable to read meter data with a frequency of 30 min interval meter reads. Please accept meter data reading frequency for every 4 hours alternatively.	The scalability shall ensure the ability to handle applicable workloads including the following: b) 30 mins for system metering and 30 mins for consumer metering interval meter reads	Conditions as per the RFP shall prevail	Clarification
106.	Pg. 178 Section 6: Project Requirements Clause 2.3	We need to manually enter the details of all the Smart Meters into HES. Profile shall be downloaded automatically at the time of schedule. HES shall store meter profile status by meter type, software versions, device IDs. Hardware version, logged in / logged out requirements are not understood, kindly we request to clarify the same.	The suggested functions of HES (not exhaustive) may be: a) On power up after installation, Smart Meter shall register itself automatically into the HES along with its metering profile. The HES shall store meter profile status by meter type, hardware & software versions, device IDs, logged in / logged out details etc.	Conditions as per the RFP shall prevail. Further, it is to clarify, logged in/logged out details refer to the commission and decommissioning details of the meter, if any, during its lifecycle at HES.	Clarification
107.	Pg. 180 Section 6: Project	Kindly provide the list of monitored parameters and please note that same parameter can be configured in HES only. However programmable	(p) Setting threshold limits for monitored parameters	Conditions as per the RFP shall prevail. Threshold conditions shall be as per IS 15959	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Requirements Clause 2.3.1	parameters shall be in line with IS 15959 Part 2 or 3 depend on meter category.			
108.	Pg. 220 Section 6: Project Requirements Clause 3.2 HES Integration with Field Devices	We provide HES as per relevant IS 15959 and MIOS standards. Kindly we request to accept the same.	HES should conform to IEC 61968-9 as well as support CIM 2.0 / Multi Speak v3.0 standards.	Conditions as per the RFP shall prevail	Clarification
109.	Pg. 292 Section 6: Project Requirements Annexure F	Kindly accept manufacturers design instead of module design mentioned here under, considering the following drawbacks with change in module design. 1. Design evaluation shall be affected. 2. Cost reduction shall be affected. 3. Product reliability shall be affected. 4. Distractive tests compatibility may affect the module. 5. BIS certification for Smart Meter shall be provided for the complete unit	General Requirement for Common pluggable communication module for Smart Meters.	As mentioned in the RFP, the standard design shall be adopted in all smart meters after one year from BIS certification.	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
		<p>including the communication module. If the communication module is changed then existing BIS shall not be valid.</p> <p>6. No BIS standard exists for common communication module at present</p>			
110.	<p>Pg. 159 Section 5: Financial Proposal - Forms “Bill of Materials and Services for Smart Meters” Table Sr. No. 1.1,1.2,1.3 & 1.4 Similarly it is mentioned in BOQ Pg. 167</p>	<p>Both the requirements are contradictory therefore we request you to kindly reconfirm the requirement of Meter box. If it is in the scope of bidder or not kindly confirm the same.</p>	<p>Single phase whole current Smart Meter with NIC Card– Consumer Meter with Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal Three Phase whole current Smart Meter with NIC Card-Consumer Meter with Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal Three phase LT-CT operated Smart Meter with NIC Card – Consumer meter with CTs, control cables, without DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal Three phase LT-CT operated Smart Meter with NIC Card– DT Meter with CTs, control cables, with DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal with Adequate mounting arrangement Smart pre-paid metering along with installation of Smart meters in existing meter boxes using the existing service</p>	<p>The Clause is Amended as – Single phase whole current Smart Meter with NIC Card– Consumer Meter with Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal Three Phase whole current Smart Meter with NIC Card-Consumer Meter with Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal Three phase LT-CT operated Smart Meter with NIC Card – Consumer meter with CTs, control cables, without DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal Three phase LT-CT operated Smart Meter with NIC Card– DT Meter with CTs, control cables, with DI provisions Meter Box and Back-end IT Infra with associated works and requisite no. of polycarbonate seal with Adequate mounting arrangement</p>	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	(a) Brief Scope of Work		cables for consumers, DTs and through 1-Ph, 3-Ph and LTCT meters as per Clause 2.1 of this Section.	Smart pre-paid metering along with installation of Smart meters in existing meter boxes using the existing service cables for consumers, DTs and through 1-Ph, 3-Ph and LTCT meters as per Clause 2.1 of this Section.	
111.	Pg. 167 Section 6. Project Requirements 1.4 Brief Scope of Work Pg. 366 Annexure X	We request you kindly confirm whether distribution board is in our scope of supply or not.	Installation of Distribution board and laying of service cable from LT line to meter and from Meter to consumer premises, removal of existing cable, if required, connection, taping, Laying of DT cables from DT through LTCT meters to LTDB/Fuse Box, wherever applicable. Material, tools and other accessories (not covered in BoQ) required for dismantling, civil work and installation of the new meter, shall also be in the scope of AMISP.	Conditions as per RFP shall prevail Further, it is clarified that the supply of Distribution board is in the scope of the bidder, wherever required.	Clarification
112.	Pg. 276 Section 6. Project Requirements Annexure A Inspection	Alternatively, Slotted headless Grub/Set Screws for Terminal screws may also be accepted. Kindly confirm the acceptability of the same.	Allen Screw head size (Terminal Screw)	Conditions as per the RFP shall prevail	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
113.	Pg. 296 Section 6. Project Requirements Annexure – F “General requirement for common pluggable communication module for Smart Meters”	Every meter manufacturers have their own size and mounting arrangements of NIC module. The NIC module size, fixing arrangement and connection with the meter shall vary from different manufacturer to Manufacturer. So, it shall be impossible to integrate/interoperate the NIC module of various manufacturers unless otherwise it shall require NEW DEVELOPMENT of every meter manufacturer. Therefore we request to kindly delete the requirement.	Thus in order to enable different communication modules to be used in the same meter, it is necessary to use a universal interface and a particular size irrespective of the choice of communication technology that defines the dimensions of the communication slot as well as physical placement and location of connectors. The following example recommendations will go a long way in assuring interoperability whilst still complying with the provisions of IS 16444 and IS 15959 standards: And also drawings are mentioned from 296-302	As mentioned in the RFP, the standard design shall be adopted in all smart meters after one year from BIS certification.	Clarification
114.	Pg. 316 Section 6. Project Requirements “Annexure –N “Specifications of CT for LT-CT meters”. “Technical specificatio	Please also accept the secondary leads terminals of the CT with brass Material. Kindly confirm the acceptability of the same.	The secondary leads shall be terminated with Tinned Cooper rose contact terminals with arrangements for sealing purposes.	Brass Material shall be accepted	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	n of current Transformer”				
115.	Pg. 317 Section 6. Project Requirements “Annexure –N “Specifications of CT for LT-CT meters”. “TECHNICAL DETAILS”	We request you to kindly accept the CT bore diameter as per manufacturer standards. Kindly accept the same.	Bore diameter of the CT shall not be less than 40 mm.	Accepted. However, CT bore diameter should be compatible with the site conditions	Amendment
116.	Pg. 317 Section 6. Project Requirements “Annexure –N “Specifications of CT	We request you kindly reconfirm your requirement as these CTs have installed in SMC Box or panel board. Kindly clarify the same meters”.	Ring type CTs shall have suitable clamp to fix the CT to panel Board, wherever required.	Conditions as per the RFP shall prevail Further, it is clarified that the mounting shall be as per site conditions	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	for LT-CT meters". "TECHNICAL DETAILS"				
117.	Pg. 321 Section 6. Project Requirements Annexure-O GENERAL CONSTRUCTIONS	We request you to please also accept 20 mm minimum gap between sides of the meter body and meter box. Kindly confirm the same.	Between Sides of the meter body and meter box (Excluding the flanges on the meter body for sealing screws.):30 mm	Conditions as per the RFP shall prevail	Clarification
118.	Pg. 321 Section 6. Project Requirements Annexure-O GENERAL CONSTRUCTIONS	The requirement is not very clear to us, please clarify in detail, whether only holes in meter box are required to fix the box on wall. Or for fixing the Meter box on the pole, fixing clamps and bolts are also required, as this will increase the cost of meter box. Please clarify.	The meter is to be installed in the Meter Box and the Meter Box in assembled condition shall have provision to fix it to a pole or on wall.	The meter box may be installed on Wall or on Pole as per the local condition. The mounting arrangement (Clamps, bolts, etc) shall be in the scope of AMISP.	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
119.	Pg. 322 Section 6. Project Requirements Annexure-O	We request you to kindly accept the meter box in 1:1 arrangement. As Meter Box (2:1) & (4:1) shall be required with Bus Bars, internal wiring of appropriate current rating & connections along with mounting clamps, nuts & bolts for 1-Ph Meter. As these items have their own weight which makes it difficult to handle in and install in consumer premises.	2:1 & 4:1 Meter Box arrangement for 1-ph Consumers:	It is to clarify, all the meter to meter box configuration in the current RFP is 1:1. The same is already elaborated in the Clause – “ <i>The bidder shall provide the design specification for the arrangement of 1:1 Meter box for 1-ph Consumers in Polycarbonate meeting the quality requirements as mentioned in the specification for Polycarbonate boxes.</i> ”	Clarification
120.	Pg. 322 Section 6. Project Requirements Annexure-P Constructional Features of Meter Box	As the Meter Box shall have two chambers, upper chamber to house 3 phase meter and lower chamber to house 04 nos. ring type LT CTs. So in that case, as per specification requirement of both chambers independent from each other is not safe for ingress of protection (IP). We shall provide the Meter Box with upper chamber overlapped on the lower chamber, for ingress protection of dust and water. So we request you to please delete these clauses and kindly confirm.	Both the chambers of box shall be independent from each other. If any portion of box is closed, it shall not be possible to approach it by opening the other portion and vice-versa. It shall be molded in a single piece forming the body of the Meter Box and CT chamber with SMC lid/shed fitted with the base by two nos. concealed brass hinges.	Conditions as per the RFP shall prevail	Clarification
121.	Pg. 323 Section 6. Project Requirements Annexure-P	Please also accept Stainless steel hinges to be fitted with the meter Box body base and the cover. Stainless steel has more strength as compared to brass and has corrosion resistance properties. Kindly confirm the acceptance	The concealed brass hinges shall be fitted with the meter Box body base and the cover rigidly in such a way that the same are neither visible nor accessible from outside, thereby making the Meter Box pilfer proof.	Conditions as per the RFP shall prevail	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Constructional Features of Meter Box				
122.	Pg. 323 Section 6. Project Requirements Annexure-P Constructional Features of Meter Box	Please also accept the viewing Window in polycarbonate material having minimum thickness of 2.0mm. Kindly confirm the acceptability of the same.	The box should have a front door opening with a window provided with toughened glass of minimum 4.0 mm. thickness for viewing and taking meter reading.	Conditions as per the RFP shall prevail	Clarification
123.	Pg. 324 Section 6. Project Requirements Annexure-P Material Of Meter Box	Both the above requirements are contradictory. Please amend the material of meter box as SMC instead of polycarbonate. Kindly confirm the same.	Material for construction of meter box shall be glass reinforced polyester sheet molding compound (SMC) as per IS: 13410:1992 Grade S-1 with latest amendment thereof. The meter box shall be weatherproof, tamper proof and shall be made of Injection moulded reinforce polycarbonate material with FV0 fire retardant, self-extinguishing, UV stabilization and Anti oxidation properties.	This clause is amended as •LTCT SMC Box: Material for construction of meter box shall be glass reinforced polyester sheet moulding compound (SMC) as per IS: 13410:1992 Grade S-1 with latest amendment thereof. Thickness of boxes shall be 2.5 mm from all sides. However, thickness of partition plate shall be 2.0 mm. • LTCT Polycarbonate boxes: The meter box shall be weather proof, tamper proof and shall be made of Injection moulded reinforce polycarbonate material with FV0 fire retardant, self extinguishing, UV	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
				<p>stabilization and Anti oxidation properties. The box shall be of adequate strength, unbreakable and shall be made in two pieces(base and cover). The base shall be dark grey color whereas the cover shall be completely transparent for polycarbonate material .The material for base and cover shall be polycarbonate with minimum cover thickens of 2.5mm & base 3 mm thickness</p>	
124.	Pg. 324 Section 6. Project Requireme nts Annexure-P Rating Plate	<p>Following details shall be provided as printed on metallic name plate duly riveted on meter box cover.</p> <ul style="list-style-type: none"> • Name of Manufacturer • Year of manufacturing • Type of Meter • PO NO with Date • Meter Box Number • Property of UTILITY <p>We cannot understand the requirement of the detail of 'Type of Meter' on the SMC box. Kindly clarify.</p>	<p>Manufacturers should Screen Print the following information on each meter box.</p> <ul style="list-style-type: none"> • Name of Manufacturer • Year of manufacturing • Type of Meter • PO NO with Date • Meter Box Number • Property of Utility 	The printing information shall be finalized during detailed engineering stage.	Clarification
125.	Section 6: Project requirement of RfP		<p>3. AMI System Integration Clause 3.1 c) HHUI/CMRI or manual reading system etc.</p>	HHU shall mean CMRI, or any other requisite equipment for reading the smart meter locally and wirelessly for	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	& Financial Bid		7. Operation and Maintenance Clause 7.8 F. Feedback 8. Manual Meter reading through HHU in case on Non-Communication of Smart Meters Annexure H 8. Energy Accounting System MDM can create.... gathered manually through HHU...the data	subsequent upload of data in HES/MDM.	
126.	Section 6: Project Requirements Annexures TAMPER CONDITIONS			Further, the tamper threshold values/time/etc should be field configurable over the air (OTA).	Clarification
127.	Pg. 273 Section 6. Project Requirements Appendix A.1	In ESD/Jammer tamper, Immunity up to 50 KV with NIC and logging of event > 50 KV is asked. But, Immunity can be provided up to 35kV as per CBIP-325 Appendix-J. Request accept the same.		The meter shall be immune upto 35kV. If meter get affected by ESD/Jammer at any point of ESD/Jammer condition then meter will record the event of ESD/Jammer.	Clarification

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
128.	Pg. 274 Section 6. Project Requirements Appendix A.1	In Microwave Tamper, Any higher frequency magnetic waves, micro waves > 10mT. For Magnetic field >10mT, clause existing in Magnet section and for micro waves, the strength/range is not defined and this is non-standard destructive tamper requirement. Request you to kindly provide required details for micro waves or remove the same.		Conditions as per the RFP shall prevail	Clarification
129.	Pg. 129 Section 5. Financial Proposal Forms. Three phase LTCT Operated smart meter (Sr. No. 34)	We wish to elaborate this clause such that "as per IS 16444 part2/ IS 14697, tests for 6kV impulse or 4kV isolation are performed by grounding the terminals/ ports." Request you to make amendments accordingly.	34.Digital Input (For DTs) each DI port shall be compliance to 6 kV impulse and 4kV isolation.	Conditions as per RFP shall prevail	Clarification
130.	Pg. 309 Section 6. Project Requirements	If meters are equipped with RF and RF NIC fails due to any reason even with wireless HHU the data collection will not be possible. So request you to add the provision of data collection from Optical port also at local level with proper	Smart Meters to be equipped with suitable technology (IR/RF/etc) for wireless communication with HHU, if required, for capturing data at local level ensuring due security measures.	Bidder shall provide suitable hardware/mechanism in Smart meters (internal/external) to utility for reading the Smart Meters wirelessly (<i>considering that installation shall be majorly on poles</i>) in case of non-communication and shall	Amendment

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
	Annexure-M	security measures in case of failure of wireless communication.		<p>have ability to upload the data on HES/MDM for further processing.</p> <p>The bidder shall propose the infrastructure to read the meter during such times.</p> <p>The above provision shall be in addition to the scope of AMISP for Manual meter read through HHU in case of non-communication as mentioned in Section 6 Clause 7.8</p>	
131.	<p>Page 52/442,</p> <p>Section 3: Instructions to Bidders and Bid Data Sheet,</p> <p>(A) General provisions.</p> <p>Sr. No. 29: Signing of Contract and Contract Performance Security</p>		<p>Failure of the Successful Bidder to submit the above-mentioned Performance Security or submit the above-mentioned agreement or sign the AMISP Contract or if the successful bidder withdraws, shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event, PIA shall re-tender the case</p>	<p>In case Successful Bidder fails to deposit above mentioned Performance Security within 14 (fourteen) days of issuance of LoA, penalty subject to maximum amount up to the value of Bid Security, will be imposed on prorate basis for per day of delay of maximum up to 3 months (90 Days). In case the bidder does still not submit Performance Security even after lapse of 3 months, then RECPDCL is authorized to terminate the contract on its sole discretion.</p> <p>Further, failure of the Successful Bidder to submit the above-mentioned agreement or sign the AMISP Contract or if the successful bidder withdraws, shall constitute sufficient grounds for the annulment of the award and forfeiture of</p>	Amendment

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

#	Reference Clause or Pg. No.	Bidder's Query	Clause as per RFP	Clarification to bidder	Nature of comments
				the Bid Security. In that event, PIA shall retender the case	
132.	Pg. 62/442 Section 3: Instructions to Bidders and Bid Data Sheet, (E) Bid data Sheet. Sr. No. 12.3(a)		Banks by whom Bank Guarantee is required to be issued: Name of Bank & Branch: to provide requisite SFMS along the Bank Guarantee.	RECPDCL Bank details for submission of EMD is as follows: Name of Bank & Branch: to provide requisite SFMS along the Bank Guarantee.	Amendment
133.	As per GeM GTC Document	EMD Exemption		The EMD exemption as mentioned in the GeM General Terms and Conditions on GeM 4.0 (version1.8) dtd. 13 th February 2023 is applicable for all tenders through GeM	Clarification

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

Annexure A

	Transformer Rating	ED Udampur	ED Kathua	ED Vijaypur	ED Kishtwar	ED II	ED Batote	ED Doda	ED Poonch	ED Rajouri	ED Reasi	ED I	ED III	Total
Distribution Transformers	16 kVA	1	2	2	16	0	0	22	1	9	0	0	0	53
	25 kVA	1557	1337	586	866	1256	745	955	721	1374	958	781	1107	12243
	40 kVA	0	0	0	0	2	0	0	0	0	0	0	0	2
	63 kVA	595	1049	1090	412	652	406	431	1110	1943	439	351	1130	9608
	75 kVA	0	0	0	0	1	0	0	0	25	0	0	0	26
	100 kVA	335	1484	1431	242	1859	216	184	381	626	412	366	1436	8972
	150 kVA	0	0	1	0	0	0	0	0	1	0	0	0	2
	160 kVA	0	0	8	0	0	0	0	0	0	0	0	0	8
	200 kVA	0	2	10	0	70	12	0	1	12	0	8	60	175
	250 kVA	167	563	426	60	1541	103	90	149	230	199	345	1052	4925
	300 kVA	24	0	5	0	11	0	0	0	5	0	0	0	45
	400 kVA	60	155	58	26	376	10	20	20	43	47	204	227	1246
	500 kVA	0	12	5	0	20	0	0	0	1	4	35	5	82
	630 kVA	37	48	46	11	159	2	12	0	16	17	137	112	597
	750 kVA	0	0	0	0	0	0	0	0	0	1	2	0	3
	800 kVA	0	3	0	0	0	0	0	0	0	0	0	2	5
	1000 kVA	0	12	12	0	9	0	0	0	0	2	13	0	48
	1250 kVA	0	0	0	0	1	0	0	0	0	0	1	1	3
	1500 kVA	0	0	0	0	0	0	0	0	0	0	1	0	1
	2000 kVA	0	0	2	0	0	0	0	0	0	0	0	0	2
2500 kVA	0	2	0	0	0	0	0	0	0	0	0	0	2	
HVDS	16 kVA	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 kVA	20	74	0	0	2588	0	43	0	0	0	247	470	3442
	63 kVA	7	0	0	0	0	0	4	0	0	0	0	0	11
	100 kVA	23	0	0	0	0	0	2	0	0	0	0	0	25
	Total	2826	4743	3682	1633	8545	1494	1763	2383	4285	2079	2491	5602	41526

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

S.No	Circle	Division	Sub-Division	LT-CT
1	Batote	Batote	Banihal	31
2	Batote	Batote	Batote	50
3	Batote	Batote	Ramban	41
4	Batote	Reasi	Dharmari	8
5	Batote	Reasi	Katra	269
6	Batote	Reasi	Pouni	22
7	Batote	Reasi	Reasi	32
8	Batote	Udhampur	Chenani	8
9	Batote	Udhampur	Ram Nagar	76
10	Batote	Udhampur	Udhampur-I	63
11	Batote	Udhampur	Udhampur-II	86
12	Jammu	ED-I	Parade I	0
13	Jammu	ED-I	Parade II	0
14	Jammu	ED-I	Parade III	30
15	Jammu	ED-I	Subdivision-IV	101
16	Jammu	ED-II	SD-Bishnah	203
17	Jammu	ED-II	Green Belt	0
18	Jammu	ED-II	SD-Miran Sahib	0
19	Jammu	ED-II	SD-Shastri Nagar	0
20	Jammu	ED-III	Canal	0
21	Jammu	ED-III	Janipur	0
22	Jammu	ED-III	SD-Akhnoor	181
23	Jammu	ED-III	SD-Jourian	65
24	Kathua	Kathua	Basoli	26
25	Kathua	Kathua	Bilawar	40
26	Kathua	Kathua	Hira Nagar	151
27	Kathua	Kathua	Kathua	185
28	Kathua	Kathua	Ramkote	35
29	Kathua	Vijaypur	Bari Brahmana	70
30	Kathua	Vijaypur	Ram Garh	27
31	Kathua	Vijaypur	Samba	231
32	Kathua	Vijaypur	Vijaypur	81

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

S.No	Circle	Division	Sub-Division	LT-CT
33	Kishtwar	Doda	Bhaderwah	18
34	Kishtwar	Doda	Doda	25
35	Kishtwar	Doda	Pul Doda	34
36	Kishtwar	Kishtwar	Bhalessa	1
37	Kishtwar	Kishtwar	Chatroo	14
38	Kishtwar	Kishtwar	Kishtwar	18
39	Kishtwar	Kishtwar	Thatri	9
40	Rajouri	Poonch	Mandi	5
41	Rajouri	Poonch	Mendar	10
42	Rajouri	Poonch	Poonch	86
43	Rajouri	Poonch	SuranKote	23
44	Rajouri	Rajouri	Kotranka	6
45	Rajouri	Rajouri	Nowshera	56
46	Rajouri	Rajouri	Rajouri I	21
47	Rajouri	Rajouri	Rajouri II	35
48	Rajouri	Rajouri	Sunder Bani	53
	Total			2526

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

Annexure B

S.No	Circle	Division	Sub-Division	Rural	Urban	Total
1	Batote	Batote	Banihal	16127	0	16127
2	Batote	Batote	Batote	5947	0	5947
3	Batote	Batote	Ramban	20117	0	20117
4	Batote	Reasi	Dharmari	18081	0	18081
5	Batote	Reasi	Katra	11773	0	11773
6	Batote	Reasi	Pouni	8072	0	8072
7	Batote	Reasi	Reasi	9256	0	9256
8	Batote	Udhampur	Chenani	20037	0	20037
9	Batote	Udhampur	Ram Nagar	29192	0	29192
10	Batote	Udhampur	Udhampur-I	17958	20458	38416
11	Batote	Udhampur	Udhampur-II	16539	14465	31004
12	Jammu	ED-I	Parade I	0	0	0
13	Jammu	ED-I	Parade II	0	0	0
14	Jammu	ED-I	Parade III	1129	2734	3863
15	Jammu	ED-I	Subdivision-IV	8848	3589	12437
16	Jammu	ED-II	SD-Bishnah	27248	0	27248
17	Jammu	ED-II	Green Belt	0	0	0
18	Jammu	ED-II	SD-Miran Sahib	0	0	0
19	Jammu	ED-II	SD-Shastri Nagar	0	0	0
20	Jammu	ED-III	Canal	0	0	0
21	Jammu	ED-III	Janipur	0	0	0
22	Jammu	ED-III	SD-Akhnoor	20124	5277	25401
23	Jammu	ED-III	SD-Jourian	15873	0	15873
24	Kathua	Kathua	Basoli	17846	0	17846
25	Kathua	Kathua	Bilawar	14804	0	14804
26	Kathua	Kathua	Hira Nagar	30960	0	30960
27	Kathua	Kathua	Kathua	4900	22036	26936
28	Kathua	Kathua	Ramkote	13633	0	13633
29	Kathua	Vijaypur	Bari Brahmana	0	7323	7323
30	Kathua	Vijaypur	Ram Garh	13309	0	13309
31	Kathua	Vijaypur	Samba	15732	5805	21537
32	Kathua	Vijaypur	Vijaypur	16306	0	16306

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

S.No	Circle	Division	Sub-Division	Rural	Urban	Total
33	Kishtwar	Doda	Bhaderwah	12867	0	12867
34	Kishtwar	Doda	Doda	15883	5862	21745
35	Kishtwar	Doda	Pul Doda	18869	0	18869
36	Kishtwar	Kishtwar	Bhalessa	9362	0	9362
37	Kishtwar	Kishtwar	Chatroo	10138	0	10138
38	Kishtwar	Kishtwar	Kishtwar	7571	9195	16766
39	Kishtwar	Kishtwar	Thatri	9355	0	9355
40	Rajouri	Poonch	Mandi	10634	0	10634
41	Rajouri	Poonch	Mendar	20033	0	20033
42	Rajouri	Poonch	Poonch	13154	9120	22274
43	Rajouri	Poonch	SuranKote	16754	0	16754
44	Rajouri	Rajouri	Kotranka	13218	0	13218
45	Rajouri	Rajouri	Nowshera	16725	0	16725
46	Rajouri	Rajouri	Rajouri I	11020	6908	17928
47	Rajouri	Rajouri	Rajouri II	29740	4375	34115
48	Rajouri	Rajouri	Sunder Bani	15065	0	15065

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

Annexure C

CT Ratios

Transformer Rating	CT Ratio
16 KVA	30/5
25 KVA	50/5
40 kVA	80/5
50 KVA	100/5
63 KVA	100/5
75 KVA	150/5
100 KVA	200/5
150 KVA	300/5
200 KVA	350/5
250 KVA	400/5
300 KVA	450/5
400 KVA	600/5
500 KVA	700/5
630 KVA	900/5
750 kVA	1100/5
800 KVA	1200/5
1000 KVA	1500/5
1250 KVA	1900/5
1500 KVA	2300/5
2000 KVA	3000/5
2500 KVA	3500/5

Note:-In case specified CT's not available,then the next CT ratio available shall be considered.

18.04.2023

GeM Bid No: GEM/2023/B/3221030 dated: 03.03.2023

Annexure D

Sr.no	Circle/District/Division	% of collection from online Payment	Meter failure rate	DT failure rate
1	ED-I	20	0.05%	21.50%
2	ED-II	30	0.05%	21.50%
3	ED-III	25	0.05%	21.50%
4	Vijaypur	11	0.05%	21.50%
5	Kathua	18	0.05%	21.50%
6	Rajouri	10	0.05%	21.50%
7	Poonch	10	0.05%	21.50%
8	Udhampur	14	0.05%	21.50%
9	Batote	9	0.05%	21.50%
10	Doda	10	0.05%	21.50%
11	Kishtwar	11	0.05%	21.50%
12	Reasi	11	0.05%	21.50%