

Ref. No.: CC-CS/TWT/Amend-9 & Clar-6

Date: 05.07.2022

<< TO ALL THE BIDDERS THROUGH PORTAL >>

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

**...Reg. Amendment No. 9 and Clarification No 6 to the Bidding Documents**

Dear Sir(s),

- 1.0 This has reference to the bidding documents for the subject package uploaded on Government e-Marketplace (GeM) Portal [GeM Bid No. GEM/2022/B/2006757 dated 08.03.2022] and subsequently issued Corrigendum/Amendments/Clarifications.
- 2.0 **Amendment No. 9 and Clarification No. 6** to the bidding documents enclosed herewith are uploaded on the GeM Portal.
- 3.0 Save and Except for the changes brought-out in the above-mentioned amendments, all other terms and conditions of the original bidding documents shall remain unaltered.

Thanking you,

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

7/5/2022

**X** Aakash Khandelwal

Aakash Khandelwal  
Manager (CS)  
Signed by: AAKASH KHANDELWAL

**Encl: As above**

**Amendment No.-9 (Commercial Portion) dated 05/07/2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

SI. No.	Clause No.	Existing Clause in the Bidding Documents	Amended as
1.	IFB Clause 2.0, Section-III, Vol.-I of the Bidding Documents	<p>.....</p> <p>M/s. REC Limited (the Nodal Agency) has issued Standard Bidding Documents (SBD) (<b>SBD Version 2 issued on 22.10.2021</b>) for appointment of AMISP for Smart Prepaid Metering on DBFOOT basis by the DISCOMs.</p> <p>.....</p>	<p>.....</p> <p>M/s. REC Limited (the Nodal Agency) has issued Standard Bidding Documents (SBD) (<b>SBD Version 3</b>) for appointment of AMISP for Smart Prepaid Metering on DBFOOT basis by the DISCOMs.</p> <p>.....</p>
2.	ITB/BDS Clause 2.1, Section-III, Vol.-I of the Bidding Documents	<p><b>Replace ITB 2.1 with the following:</b></p> <p>This Invitation for Bids, issued by the Employer is open to all firms including company(ies), Government owned Enterprises registered and incorporated in India as per Companies Act, 1956, barring Government Department as well as foreign bidders/MNCs not registered and incorporated in India and those bidders with whom business is banned by the Employer.</p> <p>.....</p>	<p><b>Replace ITB 2.1 with the following:</b></p> <p>This Invitation for Bids, issued by the Employer is open to all firms including company(ies), Government owned Enterprises registered and incorporated in India as per Companies Act, 1956, barring Government Department as well as foreign bidders/MNCs not registered and incorporated in India and those bidders with whom business is banned by the Employer.</p> <p>.....</p> <p><b>The Bidder, individual entity in case participating in the bidding as Sole Bidder, or as a JV Partner in case participating in the bidding as Joint Venture, and its Sub-Contractor(s) shall not be banned/ debarred by the Utilities in Central and Western India or any of its subsidiaries/ holding company, as on the date of submission of the Bid.</b></p>

**Amendment No.-9 (Commercial Portion) dated 05/07/2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

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3.	ITB/BDS Clause 2.2(h), Section-III, Vol.-I of the Bidding Documents	<p><b>Supplementing ITB 2.2 with the following:</b></p> <p>(h) Any of the Parent/ Affiliate/Ultimate Parent of the Bidder/ JV Partner shall not separately participate directly or indirectly in the same bidding process.</p>	<p><b>Supplementing ITB 2.2 with the following:</b></p> <p>(h) Any member of the Joint Venture, including its Parent(s) and/or Affiliate(s), whose technical and financial capabilities are showcased for meeting the criteria as mentioned in Annexure-A (BDS), shall not separately participate directly or indirectly in another bid in the same bidding process for meeting the criteria as mentioned in Annexure-A (BDS).</p>												
4.	ITB/BDS Clause 31.3, Section-III, Vol.-I of the Bidding Documents	The Employer reserves the right to vary the quantity of any of the spares and/or delete any items of spares altogether at the time of Award of Contract.	The Employer reserves the right to vary the quantity of Service Cable as per the requirement of the AMISP Contract between Employer and the Utility and any of the spares and/or delete any items of spares/Service Cable altogether at the time of Award of Contract.												
5.	ITB/BDS Clause 24.1 (c), Section-III, Vol.-I of the Bidding Documents	<p><b><u>Replace ITB 24.1 (c)with the following:</u></b></p> <p>.....</p> <table border="1"> <thead> <tr> <th>S.N</th> <th>Milestone</th> <th>Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S.N	Milestone	Timeline (in months from the Effective Date of Contract)				<p><b><u>Replace ITB 24.1 (c)with the following:</u></b></p> <p>.....</p> <table border="1"> <thead> <tr> <th>S.N</th> <th>Milestone</th> <th>Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S.N	Milestone	Timeline (in months from the Effective Date of Contract)			
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SI. No.	Clause No.	Existing Clause in the Bidding Documents		Amended as			
		1	Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware & software that are proposed for delivery and operations incl.: <ul style="list-style-type: none"> <li>• Meters, Communication Infrastructure</li> <li>• System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul>	Within days [60]	1	Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware & software that are proposed for delivery and operations incl.: <ul style="list-style-type: none"> <li>• Meters, Communication Infrastructure</li> <li>• System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul>	Within days [60]
		2	<b>Type Test for Smart Meters as per Technical Specifications</b>	Within months [3]	2	<b>Type Test for Smart Meters as per Technical Specifications</b>	Within months [3]
		3	<b>Integrated FAT for first lot of Smart Meters as per Technical Specifications</b>	Within months [5]	3	<b>Integrated FAT for first lot of Smart Meters as per Technical Specifications</b>	Within months [5]
		4	Delivery, site installation, integration and <b>operationalization of 100% of Feeder Meters</b> each with related hardware, software and equipment	Within months [8]	4	Delivery, site installation, integration and <b>operationalization of 100% of Feeder Meters</b> each with related hardware, software and equipment	Within months [9]
		5	<ul style="list-style-type: none"> <li>• Delivery, site installation and commissioning of Network Operations cum Monitoring Centre with related hardware, software and</li> </ul>	Within months [8]	5	<ul style="list-style-type: none"> <li>• Delivery, site installation and commissioning of Network Operations cum Monitoring Centre with related hardware, software and equipment; and</li> <li>• Delivery, site installation, integration and</li> </ul>	Within months [7]

**Amendment No.-9 (Commercial Portion) dated 05/07/2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

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			equipment; and • Delivery, site installation, integration and operationalization of [5%] of Smart Meters each with related hardware, software and equipment and <b>successful operational go-live</b>		operationalization of [5%] of Smart Meters each with related meter box, service cable, hardware, software and equipment and <b>successful operational go-live</b>
		5	Delivery, site installation, integration and <b>operationalization of 50% of Smart Meters</b> each with related hardware, software and equipment	Within [18] months	6 Delivery, site installation, integration and <b>operationalization of 50% of Smart Meters</b> each with related meter box, service cable, hardware, software and equipment Within [18] months
		6	<b>Installation Milestone</b>	Within [30] months	7 Delivery, site installation, integration and <b>operationalization of 100% of DT Meters</b> each with related hardware, software and equipment Within [18] months
		7	<b>Operational period of the End-to-End Smart Metering Solution</b>	From Operational Go-Live till end of the Contract Period*	8 <b>Installation Milestone</b> Within [27] months
		8	<b>Transfer of End-to-End Smart Metering Solution to the utility</b>	At the end of Term of the Contract in accordance with Exit Management Plan provided in Contract in GCC Clause 40	9 <b>Operational period of the End-to-End Smart Metering Solution</b> From Operational Go-Live till end of the Contract Period*
			.....		10 <b>Transfer of End-to-End Smart Metering Solution to the utility</b> At the end of Term of the Contract in accordance with Exit Management Plan provided in Contract in GCC Clause

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6.	GCC/SCC Clause 4.1, Section-V, Vol.-I of the Bidding Documents	<p><b>Replace GCC 4.1 with the following:</b></p> <p>.....</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S.No.</th> <th style="width: 45%;">Milestone</th> <th style="width: 50%;">Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware &amp; software that are proposed for delivery and operations incl.:                             <ul style="list-style-type: none"> <li>• Meters, Communication Infrastructure</li> <li>• System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul> </td> <td style="text-align: center;">Within [60] days</td> </tr> </tbody> </table>	S.No.	Milestone	Timeline (in months from the Effective Date of Contract)	1	Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware & software that are proposed for delivery and operations incl.: <ul style="list-style-type: none"> <li>• Meters, Communication Infrastructure</li> <li>• System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul>	Within [60] days	<p><b>Replace GCC 4.1 with the following:</b></p> <p>.....</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S.N</th> <th style="width: 45%;">Milestone</th> <th style="width: 50%;">Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware &amp; software that are proposed for delivery and operations incl.:                             <ul style="list-style-type: none"> <li>• Meters, Communication Infrastructure</li> <li>• System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul> </td> <td style="text-align: center;">Within [60] days</td> </tr> </tbody> </table>			S.N	Milestone	Timeline (in months from the Effective Date of Contract)	1	Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware & software that are proposed for delivery and operations incl.: <ul style="list-style-type: none"> <li>• Meters, Communication Infrastructure</li> <li>• System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul>	Within [60] days
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		7	Operational period of the End-to-End Smart Metering Solution	From Operational Go-Live till			

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SI. No.	Clause No.	Existing Clause in the Bidding Documents		Amended as		
				end of the Contract Period		
		8	<b>Transfer of End-to-End Smart Metering Solution to the utility</b>	At the end of Term of the Contract in accordance with Exit Management Plan provided in Contract in GCC Clause 40	8	<b>Installation Milestone</b> Within [27] months
					9	<b>Operational period of the End-to-End Smart Metering Solution</b> From Operational Go-Live till end of the Contract Period
					10	<b>Transfer of End-to-End Smart Metering Solution to the utility</b> At the end of Term of the Contract in accordance with Exit Management Plan provided in Contract in GCC Clause 40
		.....				
		.....				
7.	GCC/SCC Clause 21.2, Section-V, Vol.-I of the Bidding Documents	<b>Replace the GCC Clause 21.2 with the following:</b> Except in case of Force Majeure or where the delay in delivery of the Solution is caused due to any delay or default of Utility/Employer if the Installation Milestone is delayed by more than 30 (thirty) months from the effective date of the Contract the Contractor shall be liable to pay liquidated damages as per the rates specified in this		<b>Replace the GCC Clause 21.2 with the following:</b> Except in case of Force Majeure or where the delay in delivery of the Solution is caused due to any delay or default of Utility/Employer if the Installation Milestone is delayed by more than <b>27 (twenty-seven)</b> months from the effective date of the Contract the Contractor shall be liable to pay liquidated damages as per the rates specified in this clause.		



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		<p>clause.</p> <p>Except in case of Force Majeure or where the delay in delivery of the Solution is caused due to any delay or default of Utility/Employer if the delivery, site installation, integration and operationalization of 100% of Feeder Meters each with related hardware, software and equipment is delayed by more than 8 (Eight) months from the date of execution of the Contract the Contractor shall be liable to pay liquidated damages as per the rates specified in this clause.</p> <p>Employer shall without prejudice to all its other remedies under the Contract, deduct from the amount due to be paid, as liquidated damages, 50% of the Notional Monthly Service charge per meter for contractor plus GST payable thereon for each delayed meter for each completed month of delay for a maximum period of 12 (twelve) months.</p> <p>Notional Monthly Service Charge Per Meter shall be calculated as per <i>APPENDIX- Notional Monthly Service Charges Per Meter [enclosed in Volume-II (Technical Specifications) of the Bidding Documents]</i></p> <p>The Employer may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor from his obligation to complete the Works, or from any other of his obligations and liabilities under the Contract.</p>	<p>Except in case of Force Majeure or where the delay in delivery of the Solution is caused due to any delay or default of Utility/Employer if the delivery, site installation, integration and operationalization of</p> <p>(i) 100% of Feeder Meters each with related hardware, software and equipment is delayed by more than 9 (Nine) months from the date of execution of the Contract the Contractor shall be liable to pay liquidated damages as per the rates specified in this clause.</p> <p><b>(ii) 100% of DT Meters each with related hardware, software and equipment is delayed by more than 18 (Eighteen) months from the date of execution of the Contract the Contractor shall be liable to pay liquidated damages as per the rates specified in this clause.</b></p> <p>Employer shall without prejudice to all its other remedies under the Contract, deduct from the amount due to be paid, as liquidated damages, 50% of the Notional Monthly Service charge per meter for contractor plus GST payable thereon for each delayed meter for each completed month of delay for a maximum period of 12 (twelve) months.</p> <p>Notional Monthly Service Charge Per Meter shall be calculated as per <i>APPENDIX- Notional Monthly Service Charges Per Meter [enclosed in Volume-II (Technical Specifications) of the Bidding Documents]</i></p>

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8	GCC/SCC Clause 36.3.1(m), Section-V, Vol.-I of the Bidding Documents	m) No person having System Integration (SI) experience in terms of the RFP remains a shareholder of the AMISP;	m) VOID
9	Appendix-II to SCC, Vol.-I of the Bidding Documents	<i>Revised Appendix-II to SCC is enclosed herewith as Appendix-II to SCC_rev01 (replacing existing Appendix-II to SCC uploaded alongwith the Bidding Documents)</i>	
10	Clause 2.1 (i) (A) (a) of Appendix-1 (Payment Terms and Procedures), Section-VI (Sample Forms & Procedures),	Monthly progress report briefing the status of installation of meters including problems that arise with the installed AMI system (if any) as well any cyber security related issues and corrective action taken by Contractor for the same	Monthly progress report briefing the status of installation of meters, <b>meter boxes and service cables on pro-rata basis</b> , including problems that arise with the installed AMI system (if any) as well any cyber security related issues and corrective action taken by AMISP for the same

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11	Clause No 1 of Appendix-4 (Time Schedule), Section-VI (Sample Forms & Procedures), Vol.-I of the Bidding Documents	<p>.....</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Milestone</th> <th>Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware &amp; software that are proposed for delivery and operations incl.: <ul style="list-style-type: none"> <li>Meters, Communication Infrastructure</li> <li>System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul> </td> <td>Within [60] days</td> </tr> <tr> <td>2</td> <td><b>Type Test for Smart Meters as per Technical Specifications</b></td> <td>Within [3] months</td> </tr> </tbody> </table>	S.No.	Milestone	Timeline (in months from the Effective Date of Contract)	1	Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware & software that are proposed for delivery and operations incl.: <ul style="list-style-type: none"> <li>Meters, Communication Infrastructure</li> <li>System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul>	Within [60] days	2	<b>Type Test for Smart Meters as per Technical Specifications</b>	Within [3] months	<p>.....</p> <table border="1"> <thead> <tr> <th>S.N</th> <th>Milestone</th> <th>Timeline (in months from the Effective Date of Contract)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware &amp; software that are proposed for delivery and operations incl.: <ul style="list-style-type: none"> <li>Meters, Communication Infrastructure</li> <li>System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul> </td> <td>Within [60] days</td> </tr> <tr> <td>2</td> <td><b>Type Test for Smart Meters as per Technical Specifications</b></td> <td>Within [3] months</td> </tr> </tbody> </table>	S.N	Milestone	Timeline (in months from the Effective Date of Contract)	1	Submission of detailed <b>Project Engineering Document</b> giving the compliance sheet along with the make and model of various infrastructure, hardware & software that are proposed for delivery and operations incl.: <ul style="list-style-type: none"> <li>Meters, Communication Infrastructure</li> <li>System Architecture, Software Solutions, Integration Document and Cloud Services Requirement</li> </ul>	Within [60] days	2	<b>Type Test for Smart Meters as per Technical Specifications</b>	Within [3] months
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SI. No.	Clause No.	Existing Clause in the Bidding Documents		Amended as	
		3	Integrated FAT for first lot of Smart Meters as per Technical Specifications	Within [5] months	3 Integrated FAT for first lot of Smart Meters as per Technical Specifications Within [5] months
		4	Delivery, site installation, integration and operationalization of 100% of Feeder Meters each with related hardware, software and equipment	Within [8] months	4 Delivery, site installation, integration and operationalization of 100% of Feeder Meters each with related hardware, software and equipment Within [9] months
		5	<ul style="list-style-type: none"> <li>Delivery, site installation and commissioning of Network Operations cum Monitoring Centre with related hardware, software and equipment; and</li> <li>Delivery, site installation, integration and operationalization of [5%] of Smart Meters each with related hardware, software and equipment and <b>successful operational go-live</b></li> </ul>	Within [8] months	5 <ul style="list-style-type: none"> <li>Delivery, site installation and commissioning of Network Operations cum Monitoring Centre with related hardware, software and equipment; and</li> <li>Delivery, site installation, integration and operationalization of [5%] of Smart Meters each with related meter box, service cable, hardware, software and equipment and <b>successful operational go-live</b></li> </ul> Within [7] months
		5	Delivery, site installation, integration and operationalization of 50% of Smart Meters each with related hardware, software and equipment	Within [18] months	6 Delivery, site installation, integration and operationalization of 50% of Smart Meters each with related meter box, service cable, hardware, software and equipment Within [18] months
		6	Installation Milestone	Within [30] months	7 Delivery, site installation, integration and operationalization of 100% of DT Meters each with related hardware, software and equipment Within [18] months
		7	Operational period of the End-to-End Smart Metering Solution	From Operational Go-Live till end of the Contract Period	8 Installation Milestone Within [27] months

**Amendment No.-9 (Commercial Portion) dated 05/07/2022 to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022**

SI. No.	Clause No.	Existing Clause in the Bidding Documents		Amended as							
		8	Transfer of End-to-End Smart Metering Solution to the utility	At the end of Term of the Contract in accordance with Exit Management Plan provided in Contract in GCC Clause 40	<table border="1"> <tr> <td data-bbox="1234 394 1325 558">9</td> <td data-bbox="1325 394 1793 558">Operational period of the End-to-End Smart Metering Solution</td> <td data-bbox="1793 394 1984 558">From Operational Go-Live till end of the Contract Period</td> </tr> <tr> <td data-bbox="1234 558 1325 878">10</td> <td data-bbox="1325 558 1793 878">Transfer of End-to-End Smart Metering Solution to the utility</td> <td data-bbox="1793 558 1984 878">At the end of Term of the Contract in accordance with Exit Management Plan provided in Contract in GCC Clause 40</td> </tr> </table> <p>.....</p>	9	Operational period of the End-to-End Smart Metering Solution	From Operational Go-Live till end of the Contract Period	10	Transfer of End-to-End Smart Metering Solution to the utility	At the end of Term of the Contract in accordance with Exit Management Plan provided in Contract in GCC Clause 40
9	Operational period of the End-to-End Smart Metering Solution	From Operational Go-Live till end of the Contract Period									
10	Transfer of End-to-End Smart Metering Solution to the utility	At the end of Term of the Contract in accordance with Exit Management Plan provided in Contract in GCC Clause 40									
		.....		.....							

An illustration of the methodology for determining the 'Total Meter-Months' as well as 'Operation and Maintenance Period of the AMI system' is provided herein below:

Assuming a deployment of 1 million Smart Meters to be installed in Project area A, 'Total Meter-Months' is determined as below:

**'Total Meter-Months'** = (Total number of smart Meters to be installed in the AMI Project X 90 months) = 1 million meters X 90 months = 90 million meter months (A)

The implementation of the AMI system is aligned to the schedule provided in the Bidding Documents. This implies the following:

- a) 50,000 Smart Meters (5% of total) are operationalized at the end of 7<sup>th</sup> Month from date of execution of the AMISP Contract;
- b) From there on, ~40,909 Smart Meters (4.09% of total) are operationalized every month till 500,000 Smart Meters (50% of total) are operationalized at the end of 18<sup>th</sup> Month from date of execution of the AMISP Contract;
- c) From there on, ~55,556 Smart Meters (5.55 % of total) are operationalized every month till 1,000,000 smart meters (100% of total) are operationalized at the end of 27<sup>th</sup> Month from date of execution of the AMISP Contract.

The accrual of meter-months will commence as soon as the first lot of 5% of total Smart Meters are installed and operationalized at the end of 7<sup>th</sup> Month from date of execution of the Contract. Hence, 'Meter-Months' of AMI system operated after operational go-live is determined as below:

Month	Total Smart Meters Installed	Meter-Months
7	50,000	0
8	90,909	50,000
9	1,31,818	90,909
10	1,72,727	1,31,818
11	2,13,636	1,72,727
12	2,54,545	2,13,636
13	2,95,454	2,54,545
14	3,36,363	2,95,454
15	3,77,272	3,36,363
16	4,18,181	3,77,272
17	4,59,090	4,18,181
18	5,00,000	4,59,090
19	5,55,556	5,00,000
20	6,11,112	5,55,556
21	6,66,668	6,11,112
22	7,22,224	6,66,668
23	7,77,780	7,22,224
24	8,33,336	7,77,780
25	8,88,892	8,33,336
26	9,44,448	8,88,892
27	10,00,000	9,44,448
<b>Total</b>	<b>10,00,000</b>	<b>93,00,011</b>

Basis the above table, the AMI System would have been already operational for 93,00,011 meter-months prior to Installation Milestone (B)

Hence, AMI system will remain operational for the remaining Contract period, i.e.,

= ['Total Meter-Months' (A) – 'Meter-Months' of prior to Installation Milestone (B)] (C)

= (900,00,000 – 93,00,011) meter-months

= 806,99,989 meter-months (C)

Time period (in months) for operating AMI system after Installation Milestone is,

= [Remaining 'Meter-Months' / (Total number of Smart Meters installed in the AMI Project)] (D)

= 806,99,989 / 1,000,000

= ~80.70 months

Hence the Total '**Operation and Maintenance period of the AMI system**' = (*Months of operating Smart meters prior to Installation Milestone + 'Months' of operating AMI system after Installation Milestone*)

= 21 months + 80.70 months = 101.70 months

**Clarification No.-6 (Commercial Part) dated 05/07/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
1.	Form No 21, Section-VI (Sample Forms and Procedures), Vol.-I of the Bidding Documents  [FORM OF JOINT DEED OF UNDERTAKING BY THE BIDDER ALONGWITH THE SUB-CONTRACTOR(S) FOR METER MANUFACTURER, HEAD END SYSTEM (HES) AND METER DATA MANAGEMENT SYSTEM (MDMS)]	.....  AND WHEREAS Clause No. ...., Section ....., of ....., Vol.- ... forming part of the Bidding Documents inter-alia stipulates that the Bidder and the Sub-Contractor(s) must fulfill the Qualifying Requirements. The Bidder and each of the Sub-Contractor {i.e. Meter Manufacturer or HES Provider or MDMS Provider} are jointly and severally bound and responsible for successful performance of the respective equipment/services offered by such Sub-Contractor so as to ensure successful performance of the offered Advance Metering Infrastructure solution in the event the Bid submitted by the Bidder is accepted by the Employer resulting in a Contract. However, this shall not in any way dilute the overall responsibility of the Bidder for the successful performance of the offered Advance Metering Infrastructure solution.	We request you to amend the provision of "joint and several responsibility on the sub-contractors" considering our submission as below:  As the work of each sub-contractor are distinct and in no event one sub-contractor is having control over the other's work, therefore, it is to acknowledge that the obligations of each sub-contractor under this Agreement can be several (and not joint) and no sub-contractor can be responsible in any way for the actions or omissions of the others. However, the scenario changes when it comes to the lead contractor, as the lead contractor has control over all the sub-contractor's work and he/she is responsible for the complete work which is combined of all sub-contractor's work.  So, the interpretation of the existing clause suggests that, despite no contribution to cause any dispute for completion of the metering infrastructure solution, one	The provisions of the Bidding Documents in this regard are amply clear and shall remain unchanged.



**Clarification No.-6 (Commercial Part) dated 05/07/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
		<p>.....</p> <p>In consideration of the award of Contract by the Employer to the Bidder (<i>hereinafter referred to as the "Contract"</i>) we, the Bidder/Contractor and the Sub-Contractor(s) do hereby declare the following:</p>	<p>sub-contractor could be liable and held guilty for the action / negligence of the other sub-contractor, knowing the fact that, the first sub-contractor had no contribution or control over the other's negligence.</p>	
2.		<p>i. the Bidder/Contractor is bound unto the ..... (<i>insert name of the Employer</i>) ....., for successful performance of the offered Advance Metering Infrastructure solution and shall be fully responsible for the design, manufacture, testing, supply on FOR destination delivery at site basis and supervision of unloading at site, storage, erection, installation, integration, testing &amp; commissioning, operation &amp; maintenance and successful performance of the Advance Metering Infrastructure in</p>	<p>Our Legal opines that, as per revised agreement format, each subcontractor is exposed to the liability of other subcontractors, in case of an eventuality, although the deed specifies that the liability is to the extent of the respective equipment/services. It does not absolve a subcontractor from being liable for the default of the other subcontractors.</p> <p>Hence request that this joint deed be executed between a subcontractor and AMISP since being subcontracted by the AMISP and not jointly (together with) the other sub-contractors.</p> <p>This would only mean that there would be independent joint deeds (Of AMISP with each one of the subcontractors) not a single one.</p>	

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S. No.	Clause No. /Doc. Ref.	Description of Clause	Bidder's Query/Comments	POWERGRID'S Reply/Clarification
		<p>accordance with the Contract Specifications.</p> <p>ii. the Bidder/Contractor and the each of the Sub-Contractor {i.e. Meter Manufacturer or HES Provider or MDMS Provider} are jointly and severally bound unto the ..... (<i>insert name of the Employer</i>) ....., for successful performance of the respective equipment/services offered by such Sub-Contractor so as to ensure successful performance of the offered Advance Metering Infrastructure solution by the Bidder/Contractor.</p> <p>.....</p>	<p>We therefore request you to modify the requirement to a separate Joint deed of undertaking between AMISP and each subcontractor to avoid legal complications.</p>	

**Clarification No.-6 (Technical Part) dated 05/07/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/ Comments	POWERGRID's Reply/ Clarification
1.	Volume-II, Section 5, Clause 2	Qualifying Requirement% for HES Provider: - Head End System (HES) Provider must have experience of integration of at least 50,000 nos. Smart meters* (cumulatively) with its own HES in Indian/ Global Power Utility(ies) in the last 5 (five) years which are in operation for at least 1 (one) year as on the originally scheduled date of bid opening.	Qualifying Requirement% for HES Provider: Head End System (HES) Provider must have an experience of integration of at least 50,000 nos. Smart meters* (cumulatively), <b>either through itself or along with its Licensor with HES</b> in Indian and /or Global Power Utility(ies) in the last 5 (five) years which are in operation for at least 1 (one) year as on the originally scheduled date of bid opening.	Refer Amendment no. 8, S. No. 3
2.	Volume-II, Section 5, Clause 2	2. Qualification Requirement of HES and MDMS Provider The Bidder on its own or through its Sub-Contractor(s) shall meet the qualifying requirement for Head End System (HES) and Meter Data Management System (MDMS): <b>Qualifying Requirement% for HES Provider: -</b> Head End System (HES) Provider must have experience of integration of at least 50,000 nos. Smart meters* (cumulatively) with its own HES in Indian/ Global Power Utility(ies) in the last 5 (five) years which are in operation for at least 1 (one) year as on the originally scheduled date of bid opening.	Qualifying Requirement for HES Provider: Head End System (HES) Provider must have experience of integration of at least 50,000 nos. <b>nodes</b> (cumulatively) with its own HES in Indian/ Global Power Utility(ies) in the last 5 (five) years which are in operation / under implementation as on the originally scheduled date of bid opening.	Refer Amendment no. 8, S. No. 3

**Clarification No.-6 (Technical Part) dated 05/07/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/ Comments	POWERGRID's Reply/ Clarification
3.	Volume-II, Section 5, Clause 2	<b>Qualifying Requirement% for MDMS Provider:</b> - Meter Data Management System (MDMS) Provider must have experience of integrating its own MDMS with HES of at least 50,000 Smart meters* (cumulatively) in Indian/ Global Power Utility(ies) in last 5 (five) years which are in operation for at least 1(one) year as on the originally scheduled date of bid opening.	Qualifying Requirement for MDM Provider: Meter Data Management System (MDMS) Provider must have experience of integration of at least 50,000 nos. nodes (cumulatively) with its own MDM with HES in Indian/ Global Power Utility(ies) in the last 5 (five) years which are in operation /under implementation as on the originally scheduled date of bid opening.	Refer Amendment no. 8, S. No. 3
4.	Volume-II, Section 5, Clause 2	2. Qualification Requirement of HES and MDMS Provider.	As you have allowed the Meter Manufacturer experience for Meters with AMR Facility & Smart Meters both, we request to please allow the companies who have experience of Implementation of MDAS for AMR system also for HES provider. We request to please modify the clause as below to enable more participation – Head End System (HES) Provider must have experience of integration of at least 50,000 nos. Smart meters* / AMR system (cumulatively) with its own HES /MDAS respectively in	Refer Amendment no. 8, S. No. 3

**Clarification No.-6 (Technical Part) dated 05/07/2022** to the Bidding Documents for Package for procurement of Smart Meters including associated Communication Infrastructure, Head End System (HES), Meter Data Management system (MDM) for implementation of Advanced Metering Infrastructure Project(s) in Central & Western India; Specification No.: RTN1001566/OTHERS/DOM/A02; GeM Bid Number: GEM/2022/B/2006757 dated 08.03.2022

S. No.	Clause Ref.	Provisions of Existing Bidding Documents	Bidder's Query/ Comments	POWERGRID's Reply/ Clarification
			Indian/Global Power Utility(ies) in the last 5 (five) years which are in operation for at least 1 (one) year as on the originally scheduled date of bid opening.	