

## Amendment: 1

Sr. No	Clause No	Statement as per RFP	Amendment
1	Vol. I, GCC Clause 20A, Quantity Variation.	-	The employer reserves right to issue LoA offer of upto $\pm$ 30% of the total quantity bid out in the tender.
2	Vol-1, Section 1	The EMD of unsuccessful bidder will be returned within 210 days after the contract	EMD shall be returned to unsuccessful bidder within 30 days of submission of Performance security by the successful bidder.
3	Vol. I Annexure A, Section VII, Scope of Work	Prepaid functionality	<p>JKPDD shall convert the installed post-paid smart meters to pre-paid as and when required. This shall be done OTA through HES. The prepaid calculation shall be on server side. Meter will display the balance and emergency credit limit on display in both auto and push mode, during pre-paid configuration in addition to existing parameters. Bidder need to provide the detailed prepaid functionality and get it approved from RECPDCL, before implementing on server side.</p> <p>The tariff structure for pre-paid metering shall be in-line with JKSERC tariff order. Bidder can use the tariff table of CCB as it is after seamless integration, or may implement separate tariff table in prepaid application. The tariff implementation shall be same or replica, as defined in CCB so that energy consumption and billing shall not have any difference at the end of month. Any changes in tariff can be done on test server first and JKPDD will approved the same before implementation on production server. In case of communication failure, it is bidder's responsibility to reconnect the load switch of the meter using HHU or any other way, if consumer has valid positive balance. In any case consumers shall not be affected due to communication failure.</p>
4	Vol. I Section II, ITB, Clause 11.6 (Addendum)		FMS including O&M Charges: FMS including O&M Charges quoted for respective years should not be more than 15% of the Lowest amongst the charges quoted from first year to fifth year.
5	Vol. I Section II, ITB, Clause 27.8	..... In case of Reverse Auction, all Technically Qualified bidders shall be allowed to participate in the reverse Auction and the bidder with lowest price after reverse auction shall be considered as the successful bidder.	..... In case of Reverse Auction, the qualified bidders holding, holding first fifty percent of the ranks(with any fraction rounded off to higher integer) or four Qualified bidders, whichever is higher shall be considered to be the qualified for participating in the electronic stage reverse auction and submit their final offer.

6	Vol-1: Annexure of Section-III Qualification of Bidder - Pre-Qualification requirement - PART - A 1.1 a)	... Consortium of Maximum three(3) ...	The bidder can be an individual organization or a consortium of maximum four (4) organizations
7	Vol-1: Annexure of Section-III Qualification of Bidder - Pre-Qualification requirement - PART - A 1.1 f)	.....Replacement of Sub-contractor can only be with prior approval from RECPDCL. The new sub-contractor must fulfill all the qualifying requirements as mentioned in bid document.	....Replacement/Addition/Deletion of sub-contractor can be only with approval of RECPDCL. Further, in case of addition, the proposed Sub-contractor shall meet the QR as on date of bid submission. The bidder shall submit relevant documents for approval of RECPDCL.
8	REF: Vol-1: Annexure of Section-III Qualification of Bidder - Pre-Qualification requirement - PART - A 1.1 i iii)	iii. Lead partner shall meet not less than 50% of the financial requirement given at clause 1.1.2 (F.1 & F.3).	iii. Lead partner shall meet not less than 40% of the financial requirement given at clause 1.1.2 (F.1 & F.3).
9	REF: Vol-1: Annexure of Section-III Qualification of Bidder - Pre-Qualification requirement - PART - A 1.1 i iv)	iv. Each of other member/ partners(s) individually shall meet not less than 25% of the financial requirement given at clause 1.1.2(F.1 & F.3).	iv. Each of other member/ partners(s) individually shall meet not less than 20% of the financial requirement given at clause 1.1.2(F.1 & F.3).
10	Vol. I Annexure A, Section III Qualification Requirement (General) 1.1.1 G.1	Bidder shall be a Company incorporated under the Companies Act 1956/ 2013. [In case of consortium/ Sub-contractor, all need to satisfy this condition]	The bidder shall be a private/public Company registered Under Company Act 1956 or 2013 including any amendment thereto or Partnership/proprietorship/LLP firm in India. [In case of consortium/ Sub-contractor, all need to satisfy this condition]
11	Vol. I Annexure A, Section III Qualification Requirement (General) 1.1.1 G.1, documents required	Self attested copy of certificate of incorporation. Self-attested ccopy of MoA.	Certificate of Incorporation and Registration in case of company and any Govt. document/ registration issued by Competent Authority indicating Partnership/ proprietorship/LLP firm in case of Partnership/proprietorship/LLP needs to be submitted along with the bid
12	Vol. I Annexure A, Section III Qualification Requirement 1.1.3 T.2 a)	a) The bidder must have manufactured & Supplied Smart Meters* in last 7 years in India, ending last day of month previous to the one in which bids are invited, as below	The bidder must have manufactured & Supplied Smart Meters* in last 7 years in India as on date of bid submission, as below
13	Vol. I Annexure A, Section III Qualification Requirement 1.1.3 T.2 b)	b) The bidder shall have manufacturing capacity of 25,000 Smart meters per month in India including SMT PCB Assembly as well as Meter Assembly & Meter testing.	b) Bidder shall have capacity for manufacturing of minimum 25,000 Smart meters per month. All meter manufacturing related activities shall be carried out in India namely SMT PCB Assembly as well as Meter Assembly & Meter testing.
14	Vol. I Annexure A, Section III Qualification Requirement 1.1.3 T.4)	The bidder should have in-house NABL accredited Laboratory since last 2 years.	The bidder shall submit valid certificate/self declaration for submission of in-house NABL certified Lab certificate within 3 months from date of award of contract, failing which PBG shall be forfeited.

15	Vol. I Annexure A, Section III Qualification Requirement 1.1.3 T.5), Documents required	• Valid Certificate Copies / self-declaration and undertaking for submission of BIS certificate for the offered product within 3 months of the award of the contract failing which PBG shall be forfeited.	Valid Certificate Copies / self-declaration and undertaking for submission of Type test & BIS certificate for the offered product within 3 months of the award of the contract failing which PBG shall be forfeited.
16	Vol. I Annexure A, Section III Qualification Requirement 1.1.4 T.6)	.....minimum 2 Lakh consumer base in the last 7 years ending last day of the month previous to the month in which bids are invited.	.....minimum 2 Lakh consumer base in the last 7 years as on date of bid submission.
17	Vol. I Annexure A, Section III Qualification Requirement 1.1.5 T.9)	Bidder shall have experience of projects execution in electrical Transmission or sub-transmission or distribution in the last 7 years ending last day of the month previous to the month in which bids are invited ...	Bidder shall have experience of projects execution in electrical Transmission/sub-transmission /distribution/ Large multi-technology integration in ICT(IT, communication, sensors etc.)/SCADA sector in India/Globally in the last 7 years as on date of bid submission
18	Vol. I Annexure A, Section III Qualification Requirement 1.1.6 T.11)	The bidder shall have designed and implemented RF mesh communication network infrastructure in any Power / Gas/Water utility in India/ Globally in last 7 years ending last day of month previous to the one in which bids are invited with at least...	The RF network communication provider shall have designed & Implemented RF network components such as NIC cards, DCU/ACCESS Point/ GATEWAY/ROUTER and NMS in any Power / Gas/Water utility in India/ Globally in the last 7 years as on date of bid submission with at least
19	Vol. I Annexure A, Section III Qualification Requirement 1.1.7 T.14)	....utility within 7 years ending last day of month previous to the one in which bids are invited.	....utility within 7 years as on date of bid submission.
20	Vol. I Annexure A, Section III Qualification Requirement 1.1.7 T.15)	....utility within 7 years ending last day of month previous to the one in which bids are invited.	....utility within 7 years as on date of bid submission.
21	Vol. 1, Section IV, GCC Clause 20.1.3.1.1	Commissioning of the Facilities or any part thereof shall be completed by the Contractor as per procedures detailed in bid documents	Commissioning/Go-Live of the Facilities or any part thereof(i.e lot wise) shall be completed by the Contractor as per procedures detailed in bid documents
22	Vol. 1, Section IV, GCC Clause 20.1.4 and sub-clauses	Trial-Operation	Deleted
23	Vol. 1, Section IV, GCC Clause 20.1.5.1	Upon successful Trial – Operation of the Facilities or any part thereof, pursuant to GCC SubClause 20.1.4, the Project Manager shall issue to the Contractor a Taking Over Certificate as a proof of the acceptance of the Facilities or any part thereof	Upon successful completion of 5 years FMS of the Facilities , the Project Manager shall issue to the Contractor a Taking Over Certificate as a proof of the acceptance of the Facilities or any part thereof

24	Vol. 1, Section IV, GCC Clause 21.2	If the Contractor fails to comply with the Time for Completion in accordance with Clause GCC 21 for the whole of the facilities, (or a part for which a separate time for completion is agreed) then the Contractor shall pay to the Employer a sum equivalent to half percent (0.5%) of the Contract Price for the whole of the facilities, (or a part for which a separate time for completion is agreed) as liquidated damages for such default and not as a penalty, without prejudice to the Employer's other remedies under the Contract, for each week or part thereof which shall elapse between the relevant Time for Completion and the date stated in Taking Over Certificate of the whole of the Works (or a part for which a separate time for completion is agreed) subject to the limit of five percent (5%) of Contract Price for the whole of the facilities, (or a part for which a separate time for completion is agreed).	If the Contractor fails to comply with the Time for Completion in accordance with Clause GCC 21 for the whole of the facilities, (or a part for which a separate time for completion is agreed) then the Contractor shall pay to the Employer a sum equivalent to half percent (0.5%) of the Contract Price for a part for which a separate time for completion is agreed, as liquidated damages for such default and not as a penalty, without prejudice to the Employer's other remedies under the Contract, for each week or part thereof(i.e. delay of even 1 day shall incur penalty of 1 week) which shall elapse between the relevant Time for Completion and the date stated in Taking Over Certificate of the whole of the Works subject to the limit of ten percent (10%) of Contract Price for a part for which a separate time for completion is agreed).
25	Vol 1, Section VI, Appendix A, 2.1.1	First Installment (60%): Sixty percent (60%) payments of supply portion against various items of price schedule including GST etc. shall be paid on Sign off of SRS, design document and Data model and Factory Acceptance test (FAT) and Delivery of Smart Meters along with related Hardware( i.e. Smart Meter, RF NIC, RF Network Equipment and IT HW) & Software.	First Installment (60%): Sixty percent (60%) payments of supply portion against various items of price schedule and 100% GST etc. shall be paid on Sign off of SRS, design document and Data model and Factory Acceptance test (FAT) and Delivery of Smart Meters along with related Hardware( i.e. Smart Meter, RF NIC, RF Network Equipment and IT HW) & Software.
26	Vol 1, Section VI, Appendix A, 3	FMS Payment will be done on Quarterly basis at the end of each quarter on satisfactory completion of Facility Management Services subject to Project manager certification of required services.	The payment for FMS & O&M of facilities shall commence lot wise(40,000 Smart meters per lot) after successful billing cycle for continuous three months. The FMS charges for the Go-live lot shall be paid on prorata basis of the FMS charge quoted for first year as per the financial bid, till Go-Live of the complete system as per scheduled project implementation period i.e 18 months. Beyond this period, bidder shall carry out FMS and O&M of such lots till Go-Live of complete system without any FMS charges.  Thereafter, FMS Payment for the complete lot will be done on Quarterly basis at the end of each quarter on satisfactory completion of Facility Management Services subject to Project manager certification of required services.
27	Vol I, Section III Annexure A, 1.1.3 T 5) & Vol 3, Smart Meter Specs 1.17, 2.24	As applicable shall be furnished by the bidder. 1.17. DRAWINGS AND DOCUMENTS Following drawings & Documents shall be prepared based on JKPDD specifications and statutory requirements and shall be submitted with the bid:	Type test & BIS certificate for the offered product to be submitted by the bidder within 3 months of the award of the contract failing which PBG shall be forfeited.
28	VOLUME-I: SECTION - VII 5.3.2 Electrical Specification NIC Card	NIC card shall be capable of operating on 5V DC drawn from the smart meter as defined in BIS standard of Smart meter IS16444	NIC Card operating voltage shall be as per IS16444

29	VOLUME-I: SECTION – VII 5.3.2 Electrical Specification NIC Card	Average power consumption 100mA@5V (0.5W) and Peak Power consumption 700mA@5V (3.5W).	Maximum limit of power consumption shall be as per IS16444
30	VOLUME-I: SECTION – VII 5.3.6 Constructional and Mechanical Specifications	It shall have provision to take the antenna out from the Smart meter wherever required during field installation. Antenna interface shall be SMA type female In a good radio design, the	This shall not be a mandatory requirement and shall depend on the solution provided by the bidder.
31	VOLUME-I: SECTION – VII 5.3.6 Constructional and Mechanical Specifications	LED indication for network signal strength (RSSI)	It is bidders responsibility to provide such diagnostic features by LED/LCD on either meter or NIC Card.
32	VOLUME-I: SECTION – VII 5.4.5.1 Hardware Specifications (Gateway)	Gateway shall have RF cards to maintain a mesh network. The gateway shall include any circuitry necessary for multiple independent RF cards. There shall be adequate provision to avoid RF interference between RF cards.	This shall not be a mandatory requirement and shall depend on the solution provided by the bidder.
33	VOLUME-I: SECTION – VII 5.4.5.2 Electrical Specifications (Gateway)	(iii) The Gateway shall withstand surge voltage up to 10KV.	The Gateway shall withstand surge voltage as per IS16444.
34	VOLUME-I: SECTION – VII 5.4.5.3 Software Specifications (Gateway)	(vi) Gateway shall have redundant IP address of back-end server. Gateway shall be able to connect to secondary IP if primary IP is not reachable.	This shall not be a mandatory requirement and shall depend on the solution provided by the bidder.
35	Vol II, Section I, 2.2.1.1	Sampling from field: Any material, including materials listed below, may be picked from site for testing at test laboratory chosen by inspecting official. Energy meters Cable  All expenditures that shall incurred towards packing, transport, inspection, testing charges etc. are to be borne by the PIA.	Cable type test shall not be carried out from on-field. However, bidder must submit the type test report of cable before commencement of supply.
36	Vol 3, Smart Meter Specs, Clause 1.4.29 & 2.4.29	Software and communication compatibility The bidder shall supply software required for local (CMRI) & remote (AMI) onnectivity including required training to use the software free of cost. In case solution is given on RF, RF enabled portable device should be provided which will communicate with meter on RF and will communicate with DCU / HES on RF / GPRS.	It is not mandatory to supply wireless CMRI. However, it would be bidders responsibility to meet the SLA by any means in case WAN/HAN/NAN network faliture.
37	Vol. 3, technical Specs Clause 1.9.4 & 2.15	1.9.4. TYPE TEST CERTIFICATE: All the tests shall be conducted at CPRI as per the relevant standards.	All the tests shall be conducted at CPRI/ERDA/ERTL Lab as per the relevant standards shall be considered.

38	Vol III, Technical Specs of Smart Meter 1.4.38 & 2.7	b) The meter shall not saturate on passage of direct current, which can cause the meter either to stop recording/ record inaccurately. DC injection shall be tested both in phase and neutral. Measurement by meter shall not get influenced by injection of DC signal/ DC pulse up to 330V (both + & - DC) and for any value beyond this.	It shall be bidders responsibility to design disconnection logic in such a way that genuine consumers shall not be affected by any such disconnection, if any such cases observed after installation bidder shall update the meter FW OTA after redesigning and testing the logic for all meters i.e. supplied, installed and at factory. Meanwhile it shall reconnect the load switch instantly till logic rectified and updated in meters. The disconnection logic to be submitted at the time of detailed engineering.
39	Vol III, Technical Specs of Smart Meter 1.4.39	Neutral disturbance: Meter shall log all events when AC/DC/ Pulsating voltage is injected in neutral circuit especially when same can disturb the recording of energy. Manufacturer should specify the method of testing of Neutral disturbance.	
40	Vol III, Technical Specs of Smart Meter 1.4.39	I/C&O/G Interchanged Meter should record forward energy within limits of accuracy class 1.0.	Terminal block material shall conforming to IS 16444 or higher quality
41	Vol III, Technical Specs of Smart Meter 1.5.2 & 2.9.2	j) The moulded terminal block shall be made from best quality phenol formaldehyde/Poly carbonate conforming to IS:13779-1999 (latest amended) having adequate insulating properties and mechanical strength with brass inserts for connecting terminals.	
42	Vol III, Technical Specs of Smart Meter 1.5.3 & 2.9.3	e) The terminal cover of the meter should be hinged either at the top or left side so that it opens from bottom to top or hinged at the left side so that it opens from right to left of the meter.	Suitable arrangement, preferably through nylon thread shall be made to ensure non-detachment of terminal cover from the the meter body.
43	Vol III, Technical Specs of Smart Meter 2.1	This specification covers the technical requirements of design, manufacturing, testing & integration with network integration card (NIC) of RF communication to be used at JKPDD for three phase four Wire, 3x230 voltage, 20-100A, whole current static smart meters of accuracy class 1.0	This specification covers the technical requirements of design, manufacturing, testing & integration with network integration card (NIC) of RF communication to be used at JKPDD for three phase four Wire, 3x240 voltage, 20-100A, whole current static smart meters of accuracy class 1.0
44	Vol III, Technical Specs of Smart Meter 1.4.36 d), 2.5 d)	d) Optical Communication port shall be available for communication. Communication ports shall not be affected by any type of injection /unauthenticated signals and having proper sealing arrangement. The complete data shall be downloaded within 5 minutes.	Sealing of optical port is not mandatory. However, communication ports shall not be affected by any type of injection /unauthenticated signals.
45	Vol III, Technical Specs of Smart Meter 2.8	Note: "Meter shall have neutral CT for tamper identification and analysis."	Measurement in neutral shall be done by either CT/ Shunt
46	Vol III, Technical Specs of Polycarbonate seals	SPECIFICATION OF POLY CARBONATE SEALS	Bidder specific seal can be provided . Further, As per JKSERC Code regulation 2007 regulation 16.12(1)(b), seal tracking and recording software for all new seals shall be provided by the meter manufacturer.

47	Vol III, Technical Specs of Cables 8.4	Type test of cables 4C & 2C Un armored  One sample from the 1st Lot of LT XLPE UN-UN-ARMORED Cable of each size as received in purchaser's store shall be selected and sealed by the inspecting officer nominated by purchaser's for getting it type tested at any NABL accredited testing laboratory. The charges incurred towards type test of the material received in our stores shall be borne by Supplier.	Cable type test shall not be carried out from on-field. However, bidder must submit the type test report of cable before commencement of supply.
48	Volume-III: Section-I, Clause no. 1.5.2 (b)	"Terminals, Terminal Block" of single phase meter technical specification it is mentioned that two no's flat head screws and washers per terminal shall be provided. Whereas in GTP clause no. 1.18 S.No .49 (Page No. 342) it is mentioned that Allen Screw head size (Terminal Screw).	Flat Head screw and washers to be provided
49	Volume-III: Section-I, Clause no. 2.9.2 (b)	"Terminals, Terminal Block" of three phase meter technical specification it is mentioned that two no's flat head screws and washers per terminal shall be provided. Whereas in GTP clause no. 2.25 S.No .49 GTP it is mentioned that Allen Screw head size (Terminal Screw)	Flat Head screw and washers shall be provided
50	Vol. I, Section VI, Appendix 8, Point 2, C)	Three phase four Wire, 3x230 voltage, 20-80A, whole current static smart meters of accuracy class 1.0	Three phase four Wire, 3x240 voltage, 20-100A, whole current static smart meters of accuracy class 1.0
51	<b>Form No.19</b> (Form of Joint Deed of Undertaking by the Sub-Contractor along with the Bidder/ Contractor Vol;-I Section-VI)		For sub-contractor, signed MAF as per Attachment No. 8 need to submit along with bid. Submission of Joint deed of undertaking is not necessary.

52	The details of project location is as follows:		<p>The details of project location is as follows:</p> <p><b>Jammu Town:</b> Green Belt: 30,000 Shastri Nagar: 15,000 Janipur: 15,000 Canal: 20,000 Parade: 20,000</p> <p><b>Srinagar Town:</b> Baghaat: 16540 Chanapora: 15136 Raj nawari: 12815 Karanagar: 4695 Rajbagh: 6390 Zainakote: 7364 Watakadal: 5214 Dalgate: 9465 Nishat: 7570 Zakura: 7295 Sheikhbagh: 11200</p> <p>The above quantity may vary at the time of implementation. Bidder to survey the locations for exact metering points and submit the report for approval before commencement of work.</p>
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53	VOLUME-I: SECTION – VII 14.2.8 Integration of new equipment	All future Field devices & other System integration shall be the responsibility of contractor and shall be part of the maintenance charges without any other additional cost burden to employer/ utility.	Bidder shall provide integration support during the project period, to other Smart meter vendors(finalized by JKPDD/RECPDCL) communicating through same RF network and 3 new application(Smart lighting, Smart parking etc.) during the FMS period. (Bidder shall integrate with all existing/new applications before Go-Live). Any other integration support shall be carried out on mutually agreed cost.
54	Clause 1./ 1 VOLUME-I: SECTION – VII SCOPE OF WORKS	Supply, installation, testing, commissioning of Meter Data Management(MDM) Software along with necessary servers, storage, network elements or any other IT HW and SW (APIs, adaptors, connectors, mobile app for consumers etc.) for MDM system with full AMI functionality as defined in CEA AMI guideline for 10 lakh meters (2,00,000 smart meters and approximate 8 lakh conventional static meters installed including AMR meters installed under R-APDRP) with scalability up-to 20,00,000 consumers in future.	The MDM SW shall be supplied for 7 lakh consumers and the data requirement shall be as per IS16444 with frequency mentioned in bid document. Further, the additional MDM licenses beyond 7 Lakh may be procured by the employer in lots of 50,000 on need basis, at the cost proportional to the cost quoted in the financial bid, within the project period.
55	2. BOM IT Systems A.2/40 VOLUME-I: SECTION – VII SCOPE OF WORKS BOM IT Systems- Application Software	Supply, Installation, Integration & Customization of MDMS Software for 10 Lakh consumers with future scalability upto 20 Lakh consumers	The MDM IT hardware shall be provided for 7 Lakh consumer base and can be scaled upto 20 lakh consumers. The cost discovered during bid for each line item shall be valid for next 6 months and same shall be considered for the items required for scaling of IT HW. After 6 months, if required, it shall be finalized with mutual consent. The HES IT Hardware to be provided for 2 Lac consumers with 30% expansion.
56	2. BOM IT Systems D.2/41 VOLUME-I: SECTION – VII SCOPE OF WORKS 2.BOM IT Systems- Hardware application	Application & DB Server suitable for MDM Software Application High Availability Active- Active Mode for DC & DR both (sizing suitable for 10 Lakh consumers with future scalability upto 20 lakh consumer).(including OS, DB & Application licenses)	The related amendments has also been incorporated in the Revised Financial Bid. Bidders are requested to refer the revised Financial Bid for final BoQ.