

PRE BID QUERY REPLIES

SUPPLY, TESTING AND CONFIGURATION OF MODEMS (NBIOT) COMMUNICATION, HEAD END SOFTWARE FOR REMOTE METER READING AND AMC OF THE SYSTEM FOR 5 (FIVE) YEARS IN BRPL

S.No	Query Type Technical/ Commercial	Page No	Clause No	BRPL Clause	Bidder Comments	BRPL Replies
1	Commercial	2	2.4	Bidder must have successfully supplied and installed 750 modems and Head End Software in the last 2 years. Order copies along with customer's reference shall be submitted along with the bid.	Since we are new to the manufacturing & supply of AMR Modem with 100% make in India, we hereby request you to allow new entrant for this tender.	As per BRPL NIT Terms
2	Technical	4	1	Supply of LTE based NB-IoT modems with accessories	we request BRPL to amend for NB-IOT / 4G -GPRS	As per BRPL NIT Terms
3	Technical	4	3.1	Technical Specifications :Modem should be compatible for communication with various types of dlms and non dlms meters like DT Meter, HT Meter, Net Meters & Solar Meters of multiple meter vendors.	Complied for DLMS Meter and For NON-DLMS Meter , we request BRPL to provide API and related document. This will be scope of BRPL.	Revised clause is as follows: Modem shall be compatible with DLMS type meters for all manufacturers.
4	Technical	5	3.5	The operating voltage range for the modem shall be 40V to 440V to enable modem can be used for HT or LT tri vector meters on network as per requirement	Complied with 50V to 540V [P-P], 90V to 312 V –single phase.We request to amend for the minimum range.	As per BRPL NIT Terms
5	Technical	6	3.26	Modem shall be capable to store the meter data of minimum 45 days	we request BRPL to confirm the memory requirement	As per BRPL NIT Terms
6	Technical	6	3.30	Modem shall support band NB-IoT bands for all telecom operators.	We request BRPL to confirm the Network provider available to cross check the same for NBIOT. For 4G- GPRS it is not required.	As per BRPL NIT Terms
7	Technical	7	3.37	Modem should be compatible to NB IoT with fallback to 2G/3G/4G.	we request BRPL to amend to 4g-GPRS with fallback with option 2G/3G. Some module Manufacturer confirm that NB-IOT will be fallback with only 2G. We request BRPL to amend for NBIOT/4G-GPRS	As per BRPL NIT Terms
8	Technical	7	3.39	Modem shall have feature to reboot through SMS in single/group/bulk operation using SMS API gateway, however the feature shall be disabled till process is approved by BRPL.	we request BRPL to clarify the SMS –API Gateway will be scope.	As per BRPL NIT Terms
9	Technical	7	3.44	Modem shall have input supply fuse for protection & it shall be replaceable without opening cover.	we request BRPL to amend for the external fuse requirement.	Revised clause is as follows: Modem power supply shall have proper protection to take care of high voltage and surge.
10	Technical	10	8	Type Tests 8.1 All routine, acceptance & type tests shall be carried out on the modem body in accordance with the relevant IS/IEC in presence of BRPL representative.	we request BRPL to confirm for the Type Test shall be carried out on the modem body in accordance with the relevant IS/IEC presence of BRPL representative. It is possible for all routin & Acceptance Test only. Please confirm.	As per BRPL NIT Terms
11	Commercial	2	2.4	Bidder must have successfully supplied and installed 750 modems and Head End Software in the last 2 years. Order copies along with customer's reference shall be submitted along with the bid.	Since we are new to the manufacturing & supply of AMR Modem with 100% make in India, we hereby request you to allow new entrant for this tender.	As per BRPL NIT Terms
12	commercial	9	17	Each Bidder shall submit only one Bid by itself. No Joint Venture is acceptable. A Bidder who submits or participates in more than one Bid will cause all those Bids to be rejected.	As tender comprise of hardware , software and site maintance in scope. It is request you to consider two party JV.	As per BRPL NIT Terms
13	commercial	09 & 10	21	If the quantity is to be split, quantity distribution shall be in the manner detailed below: a) If the quantity is to be split among 2 bidders, it will be done in the ratio of 70:30 on L1 price. b) If the quantity is to be split among 3 bidders, it will be done in the ratio of 60:25:15 on L1 price.	In case of Split of order. Whether all party awarded with order shall have to give modem & HES system? Or in case of single HES system how interoperability will be ensured?	As per BRPL NIT Terms
14	commercial	15	8	TERMS OF PAYMENT AND BILLING – SUPPLY & INSTALLTION a) Supply: 100% payment within 45 days against delivery of minimum 1000 nos modems and submission of following documents duly certified by BRPL project-in-charge: i.Consignee copy of LR ii.Detailed invoice showing commodity description, qty, unit & total price, iii.Original certificate issued by BRPL confirming receipt of material at site & acceptance iv.Dispatch clearance & inspection report issued by the inspection authority v.Packing List, Test Reports vi.Work Completion Certificate vii.Guarantee Certificate. viii.Bank Guarantee Note: Payment will be started only after installation, testing, commissioning and successful integration with HES Software of 300 Modems along with training to BRPL official. b) Software: 100% payment after completion of Work with Installation, testing, Commissioning and successful integration with modems duly certified by BRPL Project-in-charge and Handing Over of the entire Installation and submission of Performance Bank Guarantee of 10% of contract value valid up to Defect Liability period plus 3 months towards Claim period	Installation charges for only 300 modems is asked in tender.No clarification regarding remaining modem. If other modem is to be installed by BRPL then time line for commissioning and payment of supply of modem should not be linked.	As per BRPL NIT Terms

15	technical	5	3.10	Modem should be compact in size suitable to be accommodated in existing Meter Box. Bidder shall submit details of mounting arrangement of the modem.	Dimesion details of Meter box to be provided. are meter box to be break to open type?(it will impact modem installtion process)	As per BRPL NIT Terms
16	technical	6	3.26	Modem shall be capable to store the meter data of minimum 45 days	which data parameters for 45 days is to be specified	As per BRPL NIT Terms
17	commercial	15	10.00	Bidder shall commence the supply & installation of modems and complete the project within 16 weeks. 10.1 Delivery and commissioning of min 25% of ordered quantity within 8 weeks of PO 10.2 Delivery and commissioning of additional 50% within 12 weeks of PO 10.3 Delivery and commissioning of balance 25% within 16 weeks of PO	Installation only first 300 meter will be done by supplier other quantity will be installed By BRPL which supplier will not have control on. So request you to change delivery period related to supply of modem only	As per BRPL NIT Terms
18	technical	16	12.80	Server specification and licenses for deployment of HES for 50k & 1 lac end points.	quanity mismatch with caluse no 16 Bill of Quantity (BOQ).Also BOQ not match with SECTION IV PRICE FORMAT – SUPPLY & INSTALLATION	As per BRPL NIT Terms
19	technical	19	15.30	SLA parameter is End to End communication & data availability for available meters >95%	Network(telecom) related issues should not be linked to SLA.	As per BRPL NIT Terms
20	Commercial	3	2, QUALIFICATION CRITERIA: -, Technical	Bidder's manufacturing facility should have valid latest ISO Certificate and ROHS compliance. Bidder shall furnish copies of certificates along with bid documents	We understand that the component used for modem should be ROHS compliant and a self-declaration can be submitted against this. Kindly confirm	As per BRPL NIT Terms
21	Commercial	4	1.5, QUALIFICATION CRITERIA: -, Technical 2.a. Financial	Bidder's average annual turnover in last two years (2019-20 and 2020-21) should be at least Rs. 1 crore (One Crore). Audited balance sheet and certificate from Chartered Accountant shall be submitted along with the bid.	Kindly consider the average turnover in last two years ending FY 2019-20 in case the audited balance sheet is not ready for FY 2020-21. Or Allow bidder whose average annual turnover in last two years (2019-20 and 2020-21) is Rs. 1 Cr irrespective of unavailability 2020-21 audited balance sheet	As per BRPL NIT Terms
22	Commercial	5	PART A: TECHNICAL BID	2 no. Samples along with cable and accessories and software with demo license for reading having validity of 60 days for testing purpose on non-returnable basis to be submitted to Meter Technical Department.	60 days is a too long period for testing. Request you to kindly limit it to 30 days	As per BRPL NIT Terms
23	Commercial	6	3.02 TIME SCHEDULE	Both these parts should be furnished in separate sealed covers super scribing NIT no. DUE DATE OF SUBMISSION, with particulars as PART-A TECHNICAL BID & COMMERCIAL TERMS & CONDITIONS and Part-B FINANCIAL BID and these sealed envelopes should again be placed in another sealed cover which shall be submitted before the due date & time specified	Due to Covid time, it is requested to consider the soft copy of documents. There may be delay in courier services	As per BRPL NIT Terms
24	Commercial	7	9.0 EMD	The bidder shall furnish, as part of its bid, an EMD amounting Rs.4,20,000/- as specified in the RFQ. The EMD is required to protect the Purchaser against the risk of Bidder's conduct which would warrant forfeiture	Due to Covid situation kindly exempt Bid security also for MSME registered bidder. Most of the Discoms has this exemption clause for EMD on their tenders.	As per BRPL NIT Terms
25	Commercial	10	23.0, CONTRACT PERFORMANCE BANK GAURANTE E	Within 15 days of the receipt of Notification of Award/ Letter of Intent/PO from the Purchaser, the successful Bidder shall furnish the Performance Bank Guarantee towards faithful performance of Contract for an amount of 10% (Ten percent) of the Contract Price.	Page 10, 2 (two) nos. separate CPBG's shall be submitted against Supply, ETC. -Contractor shall submit the performance bank guarantee equivalent to the 10% of the order value at the time of claiming the last payment as per clause no. 8.0 (Terms of payment and billing – SUPPLY/ INSTALLATION/SOFTWARE), with the validity of the bank guarantee till Defect Liability Period plus 3 months Please let us know how many BG to be submitted against the project and is it 10% overall or 20% for the contract and performance i.e. 1. PBG from the date of last payment for 69 months 2. CPBGAfter 15 days for 60 months Kindly confirm	As per BRPL NIT Terms
26	Commercial	21	PRICE FORMAT – SUPPLY & INSTALLATION	Field Installation of Modems with training to 10 nos of officials of BRPL – 300 nos	Supply quantity of modem is 6025 nos., however I & C quantity is only 300 nos. Who is going to do rest I & C work?	As per BRPL NIT Terms
27	Commercial	39	COMMERCIAL TERMS AND CONDITIONS – SUPPLY	1% of basic price for every week delay subject to maximum of 10% of total PO/WO value of undelivered units/ remaining work.	Standard penalty clause for all tenders for this industry is as follows 0.5 % per month of the amount against each delay and shall be applicable upto a maximum of 10% of total PO/WO value.	As per BRPL NIT Terms
28	Commercial	43	FINANCIAL DATA	Actual in previous 5 financial years	We understand the QR requirement is for two years and hence, duly Certified by Chartered Accountant copy shall be submitted for two years. Kindly confirm.	As per BRPL NIT Terms
29	Commercial	61	General conditions	Bidder shall have valid electrical license for field work and shall submit a copy of the license at the time of the bid	Request you to kindly consider the same before the commencement of work	As per BRPL NIT Terms
30	Commercial	62	1. For Daily Instant Data (15 Mins interval):	Exclusion from Penalty	Penalty should not impose on bidder/contractor for the reason not attributed to them like network i.e. sim and bandwidth which are not in scope, faulty meter or cable etc.	As per BRPL NIT Terms
31	Technical	52	Technical Specifications	3.1. Modem should be compatible for communication with various types of dlms and non dlms meters like DT Meter, HT Meter, Net Meters & Solar Meters of multiple meter vendors.	In case of Non-DLMS meters, client must provide meter manufacturer APIs for both reading and conversion	Revised clause is as follows: Modem shall be compatible with DLMS type meters for all manufacturers.

32	Technical	54	Technical Specifications	3.4. Modem shall auto switch network as per availability 3.37 Modem should be compatible to NB IoT with fallback to 2G/3G/4G.	Generally NB-IoT Module supports fallback to 2G in case of non-availability of NB-IoT network, So Network Service Providers SIMs should support fallback to 2G provision.	As per BRPL NIT Terms
33	Technical	54	Technical Specifications	3.25 Modem shall support Short Messaging Service (SMS)/Data packet	Network Service Provider SIMs should support SMS facility	As per BRPL NIT Terms
34	Technical	57	4 Head End System (HES)	4.13 HES system should have facility to upgrade the firmware for both meters	a.Modem firmware can be upgraded remotely. b.Meter firmware cannot be upgraded. To achieve remote meter upgrades below details are required from meter manufacturers: a.Firmware Application b.Authentication details c.Document clearly explaining the sequence of steps to be followed for meter upgrade.	Revised clause - HES system should have facility to upgrade the firmware for modems remotely individually or in bulk operation with status of upgrade with date and time
35	Technical	60	9 General conditions	The bidder shall ensure deployment of head-end system and integration with BRPL's applications before commencement of field deployment	Below details are required from client regarding integration: a.Modules to which bidder's solution has to integrate. b.Type of integration. c.Type of data and Frequency integration. d.Formats of integration	Bidder is expected to integrate with Billing module, outage module, sms gateway, analytics, GIS module Bidder is expected to ensure data availability in Oracle table (ver 12C), table structure & parameters to be finalized at the time of evaluation, MRD raw file and conversion to csv & XML/CDF or any other as desired by BRPL, instantaneous parameter every 15 min (with last integration period demand), Daily (Current energy + Load Profile since last received + Midnight Snap), - Monthly (Bill data) - Events (Occurred and Restore with parameters snapshot) – On occurrence
36	Technical	66	14.15	It shall be the responsibility of the successful bidder to maintain the network uptime and provide the data availability as mentioned in SLA section of the RFP	SIM and Bandwidth are responsibilities of BSES. Hence, maintaining uptime of Network can not be bidder's responsibility. Our SLA should not be linked NSP's network uptime or performance. As a modem manufacturer we can diagnose the issue and inform to BSES.	As per BRPL NIT Terms
37	Technical	21	B, PRICE FORMAT – SUPPLY & INSTALLATION	Development of reporting tool for MIS report generation (as explained in software specifications clause)	We understand requirement is MDAS + HES and not only HES	As per BRPL NIT Terms
38	Technical	21	B, PRICE FORMAT – SUPPLY & INSTALLATION	Database License	We understand MYSQL community edition is a free edition and in that case there is no need of quoting for the same. Kindly confirm	As per BRPL NIT Terms
39	Technical	66	14.1	Coordination – Bidder shall be responsible for coordination, issue resolution, and escalation with meter supplier, BRPL representatives and other stakeholders as defined by BRPL.	Meter manufacturer may not co-operate to the bidder always. In case any co-ordination required BSES to intervene and this delay should not hold the payment of bidder.	As per BRPL NIT Terms
40	Technical	52	Scope of Work	Supply of LTE based NB-IoT modems with accessories	Inclusion Of 4G AMR with fall back to 2G. Recently coming tenders are open for all communication technology. It is the AMSIP to ensure SLA to meet with a particular technology in which AMISIP feel confident.	As per BRPL NIT Terms
41	Financial	4	2.0 QUALIFICATION CRITERIA:-	a. Bidder must have average annual turnover of minimum Rs 1 crore in last two (2) Financial years (2019-20 and 2020-21).	We request BRPL to allow us with 1 cr in 2020-21. we are not meeting the financial criteria in 2019-20. Due to covid, business effected too much. Kindly provide startup exemption for DIPP - Govt approved startups.	As per BRPL NIT Terms
42	Technical	52	3 Technical Specifications	3.1 Modem should be compatible for communication with various types of dlms and non dlms meters like DT Meter, HT Meter, Net Meters & Solar Meters of multiple meter vendors.	As per the latest indian standard our modem works on all dlms kind of meter. For non dlms api to be provided by BRPL.	Revised clause is as follows: Modem shall be compatible with DLMS type meters for all manufacturers.
43	Technical	53	3 Technical Specifications	3.5 The operating voltage range for the modem shall be 40V to 440V to enable modem can be used for HT or LT tri vector meters on network as per requirement. Operating Frequency shall be 50 Hz ± 5%.	Standard operating voltage for 3 phase power system ranges from 50v to 540v.	As per BRPL NIT Terms
44	Commercial	3	4	Bidder must have successfully supplied and installed 750 modems and Head End Software in the last 2 years. Order copies along with customer's reference shall be submitted along with the bid.	Our core work on IoT space has been revolving around renewable asset owners where we have supplied IoT Nodes/Modems to ~250 wind and solar assets. Additionally, we have recently won a e-Reverse Auction on supply of 4G modems with BRPL and the modems have also been successfully tested against the stipulated tender specification. However, as on date, we do not have 750 modem installation experience even though we are more qualified in many other qualification criteria like annual turnover, IT systems experience, and IoT domain experience. We would submit that you may please allow bidders to submit the bid and provide sample modems within stipulated days to check the technical functionalities against the tender specification. The pass/fail qualification of the bidder may be decided based on the hardware / IoT modems and HES demonstrations by the bidder. This would enable development of new vendors who may offer innovative and cost competitive solutions.	As per BRPL NIT Terms
45	Commercial	4	a	Financial Criteria a. Bidder must have average annual turnover of minimum Rs 1 crore in last two (2) Financial years (2019-20 and 2020-21).	Given the size of the tender and financial strength required to deliver the solution, the turnover may be increased to the value same as the tender budget at least.	As per BRPL NIT Terms

46	Technical	4	3.1	Modem should be compatible for communication with various types of dlms and non dlms meters like DT Meter, HT Meter, Net Meters & Solar Meters of multiple meter vendors	As mentioned 6,025 modems have to be supplied, Can you please provide the following information to enable us to quote better 1. Meter Make, Meter Model, Meter Type, Location (Address / Latitude and Longitude) of the Meter, for which the modems have to be supplied. 2. The Data sharing Protocol (Modbus / DLMS / Proprietary) for each of these meters 3. The Type of reading interface that these meter provides (RS232 / RS485) and comm port type (Micro USB, RJ-11, RJ45, Screw connectors etc.) 4. Would it be possible to get the information from manufacturers of Proprietary meters if required.	Revised clause is as follows: Modem shall be compatible with DLMS type meters for all manufacturers. Meters suppliers include M/s. Secure Meters, M/s. Genus Power, M/s. L&G, Most of these meters have RJ11 or RJ45 ports
47	Technical	4	3.3	The power supply of the offered modem shall be part of the modem and capable to operate on three phase supply from the incoming terminal of the meter.	It is understood that modems will be connected to PT terminals of the HT/LT TVM. In such cases if PT is loaded more than the available burden, it will affect the accuracy of parameters measured by the meter. Hence we request you to confirm the following 1. What is the type of meter HT CT or LT CT or Direct Connected Meter to be covered in this project? 2. PT burden of 10 VA in each phase is available for all the HT CT and LT CT metering points. If we need to tap power from the PT Terminals. 3. Related to 3.42, In case of PT / Direct Connected and Phase-Neutral is reversed, it may cause a short circuit.	As per BRPL NIT Terms
48	Technical	5	3.5	The operating voltage range for the modem shall be 40V to 440V to enable modem can be used for HT or LT tri vector meters on network as per requirement. Operating Frequency shall be 50 Hz ± 5%.	All the standard AC to DC converters are available from 90V to 250V AC, whereas the specified operating voltage range of 40V to 440V needs to be custom designed and the size of the power supply module will be bigger and costlier than the standard converters. Hence it is requested to amend the Operating voltage range to 90V to 250V AC.	As per BRPL NIT Terms
49	Technical	5	3.10	Modem should be compact in size suitable to be accommodated in existing Meter Box. Bidder shall submit details of mounting arrangement of the modem.	1. What is the dimension (L*B*H) of the existing meter box? 2. What is the preferred mounting arrangement expected	As per BRPL NIT Terms
50	Technical	5	3.18	Modem shall have a RS-232 port for serial communication, 9 pin type connector at modem. The modem shall be connected to meter using RJ11 / RJ45 (Meter Side) as per IS-12063	RS-232 serial Communication with the meter and Modem can also be established using 4 PIN connectors. Hence it is requested to remove the 9 Pin type connector and amend the clause as below. "Modem shall have a RS-232 port for serial communication, 9 pin type connector at modem. The modem shall be connected to the meter using RJ11 / RJ45 (Meter Side) as per IS-12063."	As per BRPL NIT Terms
51	Technical	6	3.29	Modem shall be capable to transfer entire tri-vector meter data in less than 8-10 minutes without data loss after connection is made.	Data Transfer speed and data quality(loss) depends on meter and no of data points. Hence the time taken by the modem to read entire TVM data will vary based on meter make, model and No. of Parameters.	As per BRPL NIT Terms
52	Technical	6	3.30	Modem shall support band NB-IoT bands for all telecom operators	NB-IoT is not yet established in full scale by telecom operators in India, it is recommended to mention the supported frequency bands as below LTE Cat NB - B3/B5/B8/B20/B28 GSM - 850/900/1800/1900MH	As per BRPL NIT Terms
53	Technical	7	3.37	Modem should be compatible to NB IoT with fallback to 2G/3G/4G	Presently GSM Chipsets and Telecom operators support NB-IoT with 2G Fallback operation. The mentioned fallback option of 2G/3G/4G is to be interpreted as NB-IoT Modem with fallback to either 2G mode or 3G mode or 4G mode (Any one of the three modes). Please clarify this understanding of ours.	As per BRPL NIT Terms
54	Technical	7	3.38	The speed to download / upload data shall be as per LTE CAT 1 speeds.	NB-IoT Chipset offers either CAT-NB1 or CAT-NB2 or CAT-M, whereas LTE CAT 1 is a 4G-LTE band. Hence it is requested to change the LTE CAT 1 Speed to LTE NB1 or LTE NB2 or LTE CAT-M	As per BRPL NIT Terms
55	Technical	7	3.42	Phase reversal condition, if phase & neutral are interchanged will not affect the modem functionality in any manner	Phase reversal conditions will not affect in case of single phase modems. However for three phase modems this type of protection from Phase to neutral inversion cannot be easily achieved. Therefore we request you to reconsider this clause.	As per BRPL NIT Terms
56	Technical	8	4	HES - Cyber Security (General)	The HES is an integral and critical part which is required to be hosted on a cloud based architecture. Cyber Security also is a critical aspect where certain checks and balances are required to be maintained. We would request to add the following additional requirement to be met by the Bidder or the Consortium of Members collectively. 1. Valid CMMi Level 3 SVC 2.0 Certificate as on the date of Tender Publication 2. Valid ISO/IEC 20000-1:2018 for IT Service Management Systems Requirements as on the date of Tender Publication 3. Valid ISO/IEC 27032:2012 for IT Security Techniques for Cyber Security as on the date of Tender Publication	As per BRPL NIT Terms

57	Technical	9	4.13	HES system should have facility to upgrade the firmware for both meters and modems remotely in bulk operation	1. Firmware of meters can be only updated by the Meter manufacturer, hence we cannot upgrade the Meter firmware using HES, whereas modem firmware can be upgraded as per requirement. We request BRPL to amend the clause 4.13 as "HES system should have facility to upgrade the firmware for modems"	Revised clause - HES system should have facility to upgrade the firmware for modems remotely individually or in bulk operation with status of upgrade with date and time
58	Technical	15	10	Delivery Commissioning Period	Due to the existing pandemic situation, lead time for the raw material procurement is more. Hence we request you to kindly reconsider the execution timeline upon discussion with the successful bidder, prior to award of contract.	As per BRPL NIT Terms
59	Technical	19	15	Service Level Agreement (SLA)	Network availability of the carrier is one of the deciding factors of data availability, since SIM and data is under utility scope. It is requested to remove this clause or amend in such a way data non availability due to network issues is not considered in bidders liability.	As per BRPL NIT Terms
60	Technical	4 of 20	3.1	Technical Specifications Modem should be compatible for communication with various types of dlms and non-dlms meters like DT Meter, HT Meter, Net Meters & Solar Meters of multiple meter vendors.	Modems to be supplied is compatible with DLMS meters, for Non-DLMS meters API-1 and API-3 of the meter are required to successfully read and provide full data to Head End System. We request you to kindly amend the clause. Since, Non-DLMS meter communicate with OEM's proprietary protocol therefore we require the same.	Revised clause is as follows: Modem shall be compatible with DLMS type meters for all manufacturers.
61	Technical	6 of 20	3.26	Modem shall be capable to store the meter data of minimum 45 days	Since, meter stores the data in its register and it can be read anytime and can be transmitted to Head End System. HES will be archiving the data. There must be no requirement to store the meter data at three places (Meter, modem and HES). Also, storage in modem will incur additional cost. We, request you to kindly delete the clause.	As per BRPL NIT Terms
62	Technical	7 of 20	3.36	Modem should be an intelligent modem with store and forward feature.	Since, meter stores the data in its register and it can be read anytime and can be transmitted to Head End System. There must be no requirement to store the meter data at two places. Also, storage in modem will incur additional cost. We, request you to kindly delete "store and forward feature" from the clause.	As per BRPL NIT Terms
63	Technical	7 of 20	3.37	Modem should be compatible to NB IoT with fallback to 2G/3G/4G.	At present, communication modules provide feature of NB-IoT fall back to 2G Or 4G fallback to 3G/2G. We request you to kindly amend the clause as "Modem should be compatible to NB IoT with fallback to 2G"	As per BRPL NIT Terms
64	Technical	7 of 20	3.39	Modem shall have feature to reboot through SMS in single/group/bulk operation using SMS API gateway, however the feature shall be disabled till process is approved by BRPL.	The SIM to be used in modem will be an APN SIM and SMS feature is not available in APN SIMs. Therefore, we request you to kindly amend the clause as following. "Modem shall have feature to reboot through HES in single/group/bulk operation, however the feature shall be disabled till process is approved by BRPL."	As per BRPL NIT Terms
65	Technical	7 of 20	3.4	Modem should automatically discover or have provision to configure required settings (APN, SIM no., IP address of SIM etc). In case of change of meter or SIM card the modem shall store data and forward the stored data after approval.	As soon as connectivity is established with HES, modem can send the meter data stored in meter at any desired / configurable time. Therefore, store and forward feature shall be deleted from this clause.	As per BRPL NIT Terms
66	Technical	7 of 20	3.44	Modem shall have input supply fuse for protection & it shall be replaceable without opening cover.	Kindly allow other means of modem protection also. External fuse will increase the cost and size of the modem.	As per BRPL NIT Terms
67	Technical	7 of 20	3.47	Modem shall be able to store critical log stored during abnormal operations like meter data cable disconnect, low signal level, failure of data connect, etc.	This feature shall be of HES. All these logs have to be stored at HES. Please delete this clause.	As per BRPL NIT Terms
68	Technical	9 of 20	4.13	HES system should have facility to upgrade the firmware for both meters and modems remotely in bulk operation	For upgradation of meter firmware, high level meter key is required from OEM. Kindly amend the clause as following: HES system should have facility to upgrade the firmware for both meters (as per availability of meter high level key to be provided by BRPL) and modems remotely in bulk operation	Revised clause - HES system should have facility to upgrade the firmware for modems remotely individually or in bulk operation with status of upgrade with date and time
69	Technical	10 of 20	4.27	System shall be able to interface with the standard mail system (Lotus Notes, MS exchange, MS Outlook and express etc) for alert and notification.	Please clarify, whether, interface of such application has to be demonstrated with sample modem operations or post award of contract.	As per BRPL NIT Terms
70	Commercial	11 of 48	1.8	Bidder has to submit the item wise price bifurcation in bid. Unprice copy must be attached with the Part A. Reverse Auction will be carried out on Lump sum Basis/Total Landed Cost i.e. Supply + ETC	Please clarify below queries regarding Reverse Auction: Scope of work shall be firm and must not change after submission of bid. Case study: We were L-1 bidder in reverse auction in tender no. BR/ENQ/20-21/KB/957, Dated:17.09.2020 but contract was not awarded to us. Also, whole Scope of work also changed by BRPL post reverse action.	As per BRPL NIT Terms
71	Commercial	3	4	Bidder must have successfully supplied and installed 750 modems and Head End Software in the last 2 years. Order copies along with customer's reference shall be submitted along with the bid.	Bidder must have successfully supplied and installed 750 modems and Head End Software in the last 5 years. Order copies along with customer's reference shall be submitted along with the bid.	As per BRPL NIT Terms

72	Technical	53	3.5	The operating voltage range for the modem shall be 40V to 440V to enable modem can be used for HT or LT tri vector meters on network as per requirement. Operating Frequency shall be 50 Hz \pm 5%.	The operating voltage range for the modem shall be 70V to 440V to enable modem can be used for HT or LT tri vector meters on network as per requirement. Operating Frequency shall be 50 Hz \pm 5%.	As per BRPL NIT Terms
73	Technical	54	3.26	Modem shall be capable to store the meter data of minimum 45 days	Modem shall be capable to store the meter data of minimum 1 month	As per BRPL NIT Terms
74	Technical	55	3.38	The speed to download / upload data shall be as per LTE CAT 1 speeds.	The speed to download / upload data as per LTE CAT 1 speeds will not be possible in NB-IOT. Standard NB-IOT module with fallback to 2G will support lower data rate and will be sufficient enough to meet meter communication.	As per BRPL NIT Terms
75	Commercial	3	1	The bidder shall be Original Equipment / Design Manufacturers (OEM) registered as a private/ public Company under Companies Act 1956, Certificate of Incorporation and Registration needs to be submitted along with the bid.	Request you to kindly amend the clause as // The bidder shall be Original Equipment / Design Manufacturers (OEM) or System Integrator authorized by OEM registered as a private/ public Company under Companies Act 1956, Certificate of Incorporation and Registration needs to be submitted along with the bid.	As per BRPL NIT Terms
76	Commercial	3	2-12	Qualification Criteria specified in pint 2 to 12	Request you to please help allow to consider the OEM technical capability to be considered in this, under Bid submitted by System Integrator authorized by OEM	As per BRPL NIT Terms
77	Technical			SUPPLY, TESTING AND CONFIGURATION OF MODEMS (NB-IOT) COMMUNICATION, HEAD END SOFTWARE FOR REMOTE METER READING AND AMC OF THE SYSTEM FOR 5 (FIVE) YEARS IN BRPL	Please help amend the same //SUPPLY, TESTING AND CONFIGURATION OF MODEMS (NB-IOT /4G) with fall back Technology COMMUNICATION, HEAD END SOFTWARE FOR REMOTE METER READING AND AMC OF THE SYSTEM FOR 5 (FIVE) YEARS IN BRPL	As per BRPL NIT Terms
78	Technical	52 of 68	3.1	Technical Specification Page no. 52 of 68 Clause no. 3.1 Modem should be compatible for communication with various types of DLMS and non DLMS meters like DT Meter, HT Meter, Net Meters & Solar Meters of multiple meter vendors.	Since Non DLMS meters life is over and only DLMS meters are supplied from last 6-7 years, we request to delete the requirement of communication with Non DLMS meters. The Modem shall be capable to communicate with DLMS meters.	Revised clause is as follows: Modem shall be compatible with DLMS type meters for all manufacturers.
79	Technical	53 of 68	3.15	Clause no 3.15 The modem shall have arrangement for sealing for top and base cover	The bidder shall be allowed to offer their own tamper proof design by other mean also like single enclosure/ chemical welding etc.	As per BRPL NIT Terms
80	Technical	55 of 68	3.44	Clause no 3.44 Modem shall have input supply fuse for protection & it shall be replaceable without opening cover	This requirement shall be deleted as fuse are not recommended, however modem power supply shall have proper protection to take care of high voltage and surge.	Revised clause is as follows: Modem power supply shall have proper protection to take care of high voltage and surge.
81	Technical	56 of 68	4.6	Clause no 4.6 HES system shall support TCP/IP, UDP, HTTP, FTP, SMTP etc.; HES system should be compatible to RDBMS Oracle 12C/My SQL database.	We request to add PostgreSQL also which is widely acceptable.	As per BRPL NIT Terms
82	Technical	56 of 68	4.12	Clause no 4.12 HES system shall be able to send tamper/event and outage alerts & integrated to BRPL system in real time	Alerts (for Alarms and Events) shall be displayed in HES & further integration will be in scope of BRPL.	As per BRPL NIT Terms
83	Technical	57 of 68	4.13	Clause no 4.13HES system should have facility to upgrade the firmware for both meters and modems remotely in bulk operation	We request that any changes shall be done one by one in place of bulk operation.	Revised clause - HES system should have facility to upgrade the firmware for modems remotely individually or in bulk operation with status of upgrade with date and time
84	Technical	57 of 68	4.17	Clause no 4.17 HES system shall have provision for manual entry of meter data in exceptional cases subject to access rights and maintain audit trail for all such entries and report may be generated for such activities. The input sources of meter data could be CMRIs (Common Meter Reading Instruments), substation log books etc. (system will normally allow import of 'pre-aggregated' data).	We request that Manual Data entry option shall not be allowed for data security purpose.	As per BRPL NIT Terms
85	Technical	57 of 68	4.2	Clause no 4.2 HES system shall display phasor diagram, consumption/load profiles by configurable period (15/30 min, hour, day, month, year etc.) day type, tariff, customer type, or any user specified collection of meters.	All the parameters shall be available in tabular format for further integration with other software.	As per BRPL NIT Terms
86	Technical	58 of 68	4.28	Clause no 4.28 HES shall provide support for visually locating modems on maps and importing devices and associated information from SAP, GIS etc.	The requirement may be deleted as not required for Modem/ software.	As per BRPL NIT Terms
87	Technical	58 of 68	4.29	Clause no 4.29 HES shall manage geographical, administrative, regional, and the network hierarchy of the utility. These hierarchies shall be imported from external source and / or shall be configurable in the system	We request to delete the requirement as the same may not be required for HES	As per BRPL NIT Terms
88	Technical	58 of 68	4.31	Clause no 4.31HES system shall have necessary security features as per existing and comply in future to cyber laws as mandated by Government of India. HES shall have mechanism to identify fraud, data breach and manipulation of data. All configurations of User Management / Access Rights shall be as per the requirements of BRPL.	We request to delete the requirement	As per BRPL NIT Terms
89	Technical	58 of 68	4.32	Clause no 4.32 System should be able to generate minimum of the following reports with facility to export in excel, pdf, csv formats, bidder may be required to other reports as per user requirement:	The offered software will work for data collection and all reports shall be generated by MDM software, which is beyond the scope of the present tender.	As per BRPL NIT Terms
90	Technical	60 of 68	9.2	Clause 9.2 Mobile app	We request to allow Desktop tool in place Mobile application.	As per BRPL NIT Terms
91	Technical	54 of 68	3.2	Clause no 3.2 Modem shall have 4 LED's	The offered Modem will have 3 LED, however these LED will provide all required indications	As per BRPL NIT Terms