

Clarification –I (Dated 10-08-2016) w.r.t. Tender Document of “11KV Rural Feeder Monitoring System”

Sl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
1.	Page no 22 QR condition 5	Bidder (single)/ Lead Partner (JV) /consortium partner (JV) must also have manufactured & supplied at least 7500-nos. GSM/ GPRS modems/meters/ DCUs out of which –3000 nos. should be under single contract. Bidder (single)/ Lead Partner (JV) /consortium partner (JV) must have integrated the same with the server (must have acquired the data from the meter & pushed it to head end system seamlessly).	<p>As per the Technical Evaluation successfully “Proof of Concept” is mandatory.</p> <p>“The bidders have to install 40 nos. of modems (10 Nos. in each identified state of package) of at least 5 different makes of leading manufacturers on to the different makes of DLMS and Non-DLMS/legacy meter.....”.</p> <p>When we have a JV with a manufacturer then how can we test 5 Different makes. What if the manufacturer with who we have JV does not perform as expected?</p>			<p>Related Clauses in the Bid Documents are amply clear.</p> <p>Provisions as stipulated in the Bid Document will prevail.</p>
2	Page no 22 QR condition		<p>We request you to kindly relax this clause and treat DCU and Modems as devices that can be procured by the System Integrators from the respective OEM and not to bind the System Integrator to a Modem/DCU manufacturer as this would be detrimental for the project.</p>			<p>Bidders are requested to Refer Amendment-I in this regard.</p>

Sl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			<p>Further as per Section iv “Broad Scope of Work” “...The orientation of system is based on the actual output of the services and not merely on Infrastructure development as can be seen in payment terms and conditions. A very crucial role of such agency shall also be ensuring integration of systems established by other Zonal Implementing agencies (during the course of implementation period of project) to national central MDAS system established by CIA and ensuring seamless flow of data and generation of useful reports for all 11 KV rural/agricultural/mixed feeders of the country.”</p> <p>Hence we request you to kindly remove the above clause as it is limiting the competition and is in contrary to the Scope and Objective of the tender. Instead the actual experience of actually downloading the Feeder data and providing the</p>			

Sl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			required analysis, alerts, System Integration, MDAS shall be requested and considered.			
3.	Page no 26 Clause 1.2	Second Stage-Implementation of Proof of Concept(PoC):	<p>Tender Evaluation is</p> <ol style="list-style-type: none"> 1) Qualification as per QR 2) POC 3) Price bid evaluation. <p>But the bid submission is up to 8th August 2016 and e-auction is on 16 August 2016. When shall the POC implemented. Further, POC required time, procurement of Modems, for identification if Region, Feeders, then Installation and configuration of the same a minimum of 30 to 60 days.</p>			The bidders are requested to refer Amendment -1 in this regards.
4.	Page No 7 Section-III	Proposed Methodology	As detailed in the RFP on the "Proposed Solution" alternate solution on RF should be allowed so that an effective and working solution can be deployed for achieving the Objectives." (DCU to Feeder Meters)			Provisions as stipulated in the Bid Document will prevail.
5.	Page No 7 Section-III	Project Implementation Strategy The implementation strategy	If the Existing Meters are non-communicable and not compatible for communicating, will Utilities provide the replacement of the same			The bidders are requested to note that all efforts have to be made by themselves

Sl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		defines the overall approach to be adopted for the rollout of the system. Considering the fact that scheme is to be implemented on many states by different vendors of Modems/DCUs, it is necessary to ensure integration of various types of modems with all types of existing meters on 11 kV Rural feeders and integration of Central MDAS with various makes of Modems.	along with the specified meter direct read protocols.			in order to acquire the data from all types of existing meters. In case of faulty meter, the same shall be replaced and in such case the bidders have to arrange requisite software/ firmware etc. to acquire the data from existing meters.
6.	Page No 10 Section-III	<p>C. Cloud Platform:</p> <p>Entire system is proposed to be hosted on a central cloud platform, which shall be separately procured by the client, i.e. RECTPCL. Central Implementation agency shall host the established system of MDAS on the so established cloud based data centre, and ensure web based access to all Stakeholders-MoP, state governments, DISCOMs, REC etc.</p> <p>The time duration for implementation of entire project</p>	Cloud Platform should be flexible and sizing to be planned by RECTPCL at the time of implementation.			<p>Provisions as stipulated in the Bid Document will prevail.</p> <p>Cloud infra shall be procured based on inputs from CIA.</p>

Sl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		is one year from date of selection of agencies.				
7.	Page no 14 Clause 7	Substation Endpoints	Since this will be provided by different server any scope/issues at Cloud server end to be clearly scoped/RACI to be defined.			Related Clauses in the Bid Documents are amply clear. Provisions as stipulated in the Bid Document will prevail.
8.	Page no 14 Clause 4.2	Proposed Cloud Server	Since this will be provided by different server any scope/issues at Cloudserver end to be clearly scoped/RACI to be defined.			Related Clauses in the Bid Documents are amply clear. Provisions as stipulated in the Bid Document will prevail.
9.	Page no 14 Clause 4.3	Proposed Network Connection The data transfer from Modems/DCUs to central/state MDAS should be achieved by using (2G/3G/4G) GPRS technology. The bidder shall tie up with more than one network provider so that data transfer should not suffer on account of unavailability/ poor availability of network	We would suggest for Deleting this scope as at National level, REPCl will be in a good position to provide end to end connectivity with a reliable and competitive prices.			Provisions as stipulated in the Bid Document will prevail.

Sl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		connectivity of a particular service provider.				
10.	Page no 32	Implementation Period: The implementation period shall be six months from the date of issue of work order where in all the hardware, software, resources etc. should be installed/deployed.	SEEMS TYPO ERROR - in EARLIER points it was mentioned 1 YEAR			Implementation period for entire Project including scope under Zonal Implementing Agency is 12 months. The time period of the project under Central Implementing agency under present bid documents is 6 months. Provisions as stipulated in the Bid Document will prevail.
11.	Page no 39	Replacement Of Defective/Damaged Materials defects or damages in the materials supplied shall be rectified within 120 working hours from the time of intimation of defect/damage either at the point of destination or at the Agency's works,.....	Requesting you to kindly Add Working Hours as 9 Am To 6pm			Provisions as stipulated in the Bid Document will prevail.
12.	Page no 42 Clause 3	In case of delay in achieving Go Live of individual States under other packages, beyond 15	Delay to be accounted on dependencies i.e. meters available			Provisions as stipulated in the Bid Document will prevail.

Sl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		months from zero date of this package, due to no fault of Agency of this package, the payment	communicable, site support and cloud availability.			
13.	Page no 44	Replacement of defective meters and CT PT sets	In utility scope providing meter and CT/PT sets with installation			Bidders understanding in this regard is correct. Provisions as stipulated in the Bid Document will prevail.
14.	Page no 43	The indicative SLAs in each category to be measured are as below: MDAS Application Availability - 99% application availability	Depends on the cloud server also.			Provisions as stipulated in the Bid Document will prevail.

	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggest	RECTPCL response
1.		Bidder (single)/ Lead Partner (JV) /consortium partner (JV) must also have manufactured & supplied at least 7500-nos. GSM/ GPRS modems/meters/ DCUs out of which – 3000 nos. should be under single contract. Bidder (single)/ Lead Partner (JV) /consortium partner (JV) must have integrated the same with the server (must have acquired the data from the meter & pushed it to head end system seamlessly).	We are a System integrator involved in providing services to various utilities like electricity, water, transport, telecom etc. We have been supplying GPRS based Terminals which push the data to the Head End Systems on real time bases on GPRS/GSM/3G. We have manufactured & supplied more than 10,000 units in last 5 years.		We request you to kindly amend the above clause as: “GSM/GPRS Modems/meters/DCU /GPRS Terminals”	The bidders are requested to refer Amendment -1 in this regards.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
1	Page 45 Agreements among various Stakeholders	In order to avoid any issue during implementation as well as operation and maintenance among various stakeholders, bipartite/ tripartite agreements need to be executed.	Request you to keep telecom service provider as a party to the Tripartite agreement			Bidders request in this regards is considered and suitable arrangement shall be made as per requirement.
2	Page 14 4.3 Proposed Network Connection	The data transfer from Modems/DCUs to central/state MDAS should be achieved by using (2G/3G/4G) GPRS technology. The bidder shall tie up with more than one network provider so that data transfer should not suffer on account of unavailability/ poor availability of network connectivity of a particular service provider. In case of availability of better communication medium viz. optical fiber, V-sat etc., the proposed SIM services may be terminated/modified and	The data transfer from Modems/DCUs to central/state MDAS should be achieved by using (2G/3G/4G) GPRS technology. The bidder should provide a MAF from the service provider who has all three (2G,3Gand 4G) established . This should be on a secure connectivity			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		suitable formula would be devised for deduction in payments against transfer of monthly data from SIM providers.				
3.	Page 21 Network Specifications	Whitelisted APN solution with minimum download and upload speed of 50Kbps.	No minimum commitment can be offered on 2G/3G SIM due to technology limitation. Hence request you to change the clause as Average down load & upload speed upto 40 Kbps on best effort basis”			The bidders are requested to refer Amendment –II in this regard.
4	Page 21 4	The bidder shall tie up with more than one network providers as per requirments in specific states of the package, so that data transfer should not suffer on account of unavailability/ poor availability of network connectivity of a particular service provider. In case of availability of better network communication medium in	We suggest to take 3G as preferred network connectivity due to its faster speed, better latency, & also fall back option on 2G network for better uptime. Higher rate will help to build futuristic network			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		future in any of states in package, the proposed SIM services may be terminated/modified and suitable formula would be devised for deduction in payments of bidder against transfer of monthly data from SIMs of that particular state.				
5	Page 8 The detail of proposed States	The detail of proposed States	Pls. share LAT LONG or Detailed Address (Preferred) for all 1 Lac Site locations, so that service provider can share there feasibility mapping & best Service provider can be chosen by SI			The details shall be shared with Successful Bidder.
6	Page 44 Mean time to resolve (MTTR)	Network Failure: <=24 Hours of reported network failure	2G/3G Connectivity are offered on best effort basis due to technology limitation, End connectivity failure can be due to mutiple factors which are also not in control of service			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			provider. Hence Request you to increase the time to resolve to 72 hours. (Excluding following Conditions : SIM faulty, Sim damage, Force Majore conditions etc)			
7	Page 40 b	TIMELINES, PAYMENT TERMS, GUARANTEES & LIABILITIES	Kindly clarify how payment for Connectivity will be made.			The payments shall be made by the Central/Zonal Implementing Agency
8	Page 43	End-to-End Communication Availability 90% of end-to-end communication availability Measured on the basis of average number of feeders not communicating monthly	Pls. specify calculating mechanism for connectivity			A suitable mechanism shall be devised by mutual consultation between RECTPCL and Central/ Zonal Implementing Agency. The same shall be based on the best practices in the industry in this regard.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
9	8.18 LIABILITY FOR ACCIDENTS AND DAMAGES:	<p>8.18 LIABILITY FOR ACCIDENTS AND DAMAGES:</p> <p>8.18.1. The Agency shall be liable for and shall indemnify the RECTPCL in respect of all injury to person or damage to property resulting from the negligence of the Agency or his workman or from defective work but not from any other cause.</p> <p>8.18.2. Provided that the Agency shall not be liable for any loss or profit or loss of Contract or any other claim made against the RECTPCL not already provided for in the contract, not for any injury or damage caused by or arising from the acts of the RECTPCL or of any other person or due to</p>	<p>Request for modification</p> <p>8.18 LIABILITY FOR ACCIDENTS AND DAMAGES:</p> <p>8.18.1. The Agency shall be liable for and shall indemnify the RECTPCL in respect of all direct and proven injury to person or damage to property resulting from the negligence of the Agency or his workman or from defective work but not from any other cause.</p> <p>8.18.2. Provided that the Agency shall not be liable for any loss or profit or loss of Contract or any other claim made against the RECTPCL not already provided for in the contract, not for any injury or damage caused by or arising from the acts of the RECTPCL or of</p>			<p>Related Clauses in the Bid Documents are amply clear.</p> <p>Provisions as stipulated in the Bid Document will prevail.</p>

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>circumstances over which the agency has no control, not shall his total liability for loss, damage or injury under this clause exceed the total value of the Contract.</p> <p>8.18.3. The Agency will indemnify and save harmless the RECTPCL against all actions, suits, claims, demands, costs, or expenses arising in connection with injuries (other than such as may be attributable to the RECTPCL or his employees) suffered prior to the date when the work shall have been taken over hereof by persons employed by the agency on the work, whether at common law or under the workman's compensation Act-1923 or any other statute in force at the date of contract relating to the</p>	<p>any other person or due to circumstances over which the agency has no control, not shall his total liability for loss, damage or injury under this clause exceed the total value of the Contract.</p> <p>8.18.3. The Agency will indemnify and save harmless the RECTPCL against all direct and proven damages actions, suits, claims, demands, costs, or expenses arising in connection with injuries (other than such as may be attributable to the RECTPCL or his employees) suffered prior to the date when the work shall have been taken over hereof by persons employed by the agency on the work, whether at common law</p>			

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>question of the liability of employees for injuries suffered by employees and will if called upon to do so take out the necessary policy or policies of insurances to over such indemnity.</p> <p>8.18.4. The agency shall insure against such liabilities with an insurer approved by the Engineer and shall continue such insurance, during the whole of the time that any person(s) are employed by him on the works and shall when required produce to the concerned Engineer, such policy of insurance and the receipt for payment of the current premium.</p>	<p>or under the workman's compensation Act-1923 or any other statute in force at the date of contract relating to the question of the liability of employees for injuries suffered by employees and will if called upon to do so take out the necessary policy or policies of insurances to over such indemnity.</p> <p>8.18.4. The agency shall insure against such liabilities with an insurer approved by the Engineer and shall continue such insurance, during the whole of the time that any person(s) are employed by him on the works and shall when required produce to the concerned Engineer, such policy of insurance and the receipt for payment of the current premium.</p>			

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
10	8.33 PAYMENT TERMS	<p>8.33 PAYMENT TERMS No. Milestone Payment Terms</p> <p><u>A. MDAS&MIS(Quoted as in point 1 above)</u></p> <p>1. Successful deployment of Central MDAS on Cloud Server 10% of contract value of MDAS System as quoted under Sr. No.1 of Form-5(Financial Bid Form)</p> <p>2. Go-Live of the entire System under this Package 10% of contract value of MDAS System as quoted under Sr. No.1 of Form-5 (Financial Bid Form)</p> <p>3. Integration of modems of all states (other than this Package as described under Section-III) under various packages proposed to be rolled out separately during implementation of scheme , with at least 90% of Modems transferring data to MDAS continuously for at least 15 days. 30 % of contract value</p>	<p>Please clarify payment terms for B/w (Network Connectivity)</p> <p>Alternatively we would propose the following : Network Service Provider providing Connectivity in form of SIM Cards / P2P Links / MPLS or Internet will be eligible for billing for each individual link/SIM card provided to customer from the date of Commissioning of such link/ SIM Card Further, each individual link / SIM would be accepted on individual basis and Client to provide Letter of Commissioning of such respective nature, Billing to commence from Date of LOC Payment to be made monthly in advance from date of</p>			<p>The whole concept of Project implementation is based on the Service Model on the basis of data received, not on the services of individual components. It is further to clarify that payments to Network Service Provided shall be made by concern Implementing Agency.</p>

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>of MDAS System as quoted under Sr. No.1 of Form-5 (Financial Bid Form) on pro-rata basis on achievement of Go Live status of each state based on the quantity of Modem in that particular state.</p> <p>4. Measured deliverables and output regarding data transfer& report generations as per SLAs.</p> <p>Balance contract value of MDAS System as quoted under Sr. No.1 of Form-5 (Financial Bid Form)in 20 Equal Quarterly installments during O&M phase of MDAS &MIS.</p> <p><u>B. Modems & Other System (quoted as in point 2 above)</u></p> <p>1. Successful installation of all hardware at site in states of Andhra Pradesh, Telangana, Gujarat and Chhattisgarh 10% of Contract value of Modem & Other System</p>	<p>LOC Payment within 25 days from date of invoice</p>			

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>calculated based on the rate quoted at Sr. No. 2 of Form-5 (Financial Bid Form).</p> <p>2. Go-Live of the System under this package (Andhra Pradesh, Chhattisgarh, Gujrat and Telangana)</p> <p>15% of Contract value of Modem & Other System calculated based on the rate quoted at Sr. No. 2 of Form-5 (Financial Bid Form).</p> <p>3. Measured deliverables and output regarding data transfer & report generations as per SLAs.</p> <p>Balance Contract value of Modem & Other System calculated based on the rate quoted at Sr. No. 2 of Form-5 (Financial Bid Form).in 20 Equal Quarterly installments during O&M phase.</p>				
11	Go-Live Acceptance Criteria	<u>Go-Live Acceptance Criteria (under this package of Central Implementation Agency)</u>	For Network Service Provider, each individual link / SIM would be accepted on individual			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>Following is the indicative list of acceptance criteria to be adopted for the project. The activities below will include but not be limited to the following:</p> <ul style="list-style-type: none"> · MDAS and MIS configured, customized and deployed on the Cloud server · Integration of Modems with Central MDAS with at least 90% of Modems transferring data to MDAS continuously for at least 15 days · Reports generated accurately for different stakeholders viz. Feeder Load curve, Feeder Current trend, Voltage Profile, Power Factor, Outage Report, Seasonal Demand Curve · Dashboard successfully displaying real time data <p><u>Go-Live Acceptance Criteria (other packages to be rolled out separately for Zonal Implementing Agencies)</u></p> <p>Following is the indicative</p>	<p>basis and Client to provide Letter of Commissioning of such respective nature, Billing to commence from Date of LOC</p>			

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>list of acceptance criteria to be adopted for the project. The activities below will include but not be limited to the following:</p> <ul style="list-style-type: none"> · Integration of Modems with Central MDAS with at least 90% of Modems transferring data to MDAS continuously for at least 15 days · Reports generated accurately for different stakeholders viz. Feeder Load curve, Feeder Current trend, Voltage Profile, Power Factor, Outage Report, Seasonal Demand Curve · Dashboard successfully displaying real time data 				
12	Taxes & Duties	<p>Taxes & Duties Any statutory variation in existing rates of taxes /duties/ levies/charges during contractual completion period only of contract will be to RECTPCL/DISCOM account. However, for claiming any</p>	<p>It is our understanding that in case of Upward Revision of Service Tax / Duties the same will be chargeable extra as per Actual Prevailing rates at time of Invoicing Also in case of GST implementation the</p>			<p>Related Clause in the Bid Document is amply clear.</p> <p>Provisions as stipulated in the Bid Document will prevail.</p>

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		such statutory variation, the contractor is required to furnish the documentary evidence / proof in support of the same for scrutiny and approval. Any downward variation in above rates of taxes/duties/levies will have to be passed on to the RECTPCL/DISCOM	same would be applicable			
13	Page 14 4.3 Proposed Network Connection	In case of availability of better communication medium viz. optical fiber, V-sat etc., the proposed SIM services may be terminated/modified and suitable formula would be devised for deduction in payments against transfer of monthly data from SIM providers.:	This clause is not acceptable. Request you to remove this clause			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
1	<u>Proposed Methodology:</u> (Ref. Page no.07)	The MDAS shall be hosted on centralized cloud server which shall be provided by RECTPCL. As per the proposed system, the meter data shall be stored by Modem/DCU in 15/30 minutes interval and transferred to Central MDAS for the 24 hours period on daily basis	What about the MDM part? Is it available with REC? What data should be captured in every 15 mins interval? Is it Instantaneous data? Why should the data be stored in Modem for 24 hours and then sent? Why the data cannot be sent directly to server every 15/30 min intervals?			Related Clause in the Bid Document is amply clear. Provisions as stipulated in the Bid Document will prevail. MIS/ MDM is part of MDAS
2	<u>Project Implementation Strategy:</u> A. Central Implementation Strategy: (Ref: page no.08)	Integration of MDAS with other software /system & Modems/DCUs to be supplied in other packages Integration of Central MDAS/ MIS with the National Power Portal for report generation as per requirement	Who will be deploying this software and on which database and platform? Who will be deploying this software and on which database and platform?			Related Clause in the Bid Document is amply clear. Provisions as stipulated in the Bid Document will prevail.
3	C. Cloud Platform: (Ref: Page no.10)	Entire system is proposed to be hosted on a central cloud platform, which shall be separately procured by the client, i.e. RECTPCL. Central	Does this mean that the entire dashboard, data analytics and reports come under the scope of this tender? If not please			Bidder understanding in this regard is correct.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		Implementation agency shall host the established system of MDAS on the so established cloud based data centre, and ensure web based access to all Stakeholders-MoP, state governments, DISCOMs, REC etc	share the integration details.			<p>Related Clause in the Bid Document is amply clear.</p> <p>Provisions as stipulated in the Bid Document will prevail.</p> <p>Bidder has to install the MDAS/ MIS software on thecloud which shall be provided by RECTPCL.</p>
4	In SECTION-IVGENERAL FEATURES OF SYSTEM: (Ref: Page no.11)	Each 11 kV feeder meter shall be provided with smart device which could be a modem/DCU along with GPRS/GSM/Edge/3G/ 4G SIM card to transfer the meter data to Centralized MDAS.	Please specify whether Modem or DCU? Please include DCU specification. Also specify which module is required - GPRS/GSM/Edge/3G/ 4G. The modem cost depends on the module required			<p>Package under Bidding consists only Modems.</p> <p>DCU is the part of other package.</p>
	Data Layer (Ref: Pageno.13)					

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
5	1. Load Survey Data	Load survey data would be collected locally in meter at 15/30 min frequency and all the aggregated data pushed to MDAS once in every 24 hours.	This feature is already available in meter. Modem has to take this data from the meter and send it to the server once in a day.			Related Clause in the Bid Document is amply clear. Provisions as stipulated in the Bid Document will prevail.
6	2. Instantaneous Data	This data would be collected locally in meter at 15/30 min frequency and all the aggregated data pushed to MDAS once in every 24 hours.	As per proposed Methodology, this feature is given for the Modem. Please clarify			The bidders are requested to refer Amendment –II in this regard.
5. Protocol Layer						
7		The different type of protocols that are currently used by meters are DLMS/COSEM (IEC 62056), Modbus RTU/TCP, IEC 1107/61107, ANSI C12 and few proprietary protocols	Will the proprietary protocols/APIs be shared by REC?			No.
8	<u>MDAS Specifications:</u> (Ref Page no.19)	Point 30: The MDAS servers should have the capability to send SMS alerts to operators in case of communication failures to receive data from any meter beyond 4 hours.	If the Modem is sending data only once in a day how is this feasible?			Meter Data shall be pushed to MDAS once in a day but by monitoring Pings it is possible to know

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
						if system in place is healthy. Provisions as stipulated in the Bid Document will prevail.
9	<u>Modem Specifications:</u> (Ref Page no.19, 20)	Point 01: Modem should have two Ethernet ports or any suitable port to connect through Optical Fibre Cable, Leased Lines or VSAT in future	Why 2 Ethernet ports are required? Should the samples to be submitted also have this?			Bidders are requested refer Amendment-II in this regard.
10		Point 02: Modem should be capable of working on single phase, 50 Hz power supply	Is it only single phase or both single phase and three phase? What is the surge capacity required?			Bidders are requested refer Amendment-II in this regard.
11		Point 08: Modem should be capable of working for 24 hours every day under the field conditions. Should have remote start / stop and restart feature	Please elaborate on the remote start /stop feature.			Modem should be able to work on push and pull mode.
12		Point 09: GPRS between feeder modem and data centre should be more than 40kbps	Modem has the capability but the Network should also support.			Selection of Suitable network service provided is under the scope of Central

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
						implementing Agency.
13		Point 11: LED Status Indicators	Please Specify the LED indications required			Self-clarified.
14		Point 14: Modem should be compatible with various standard DLMS compliant Meters & legacy version meters viz. Electromechanical meters, electronic meters etc.	What is the port available on electromechanical meters and the protocol?			Non communicable electromechanical meters are not envisaged to be present on Feeders
15		Point 19: The modem shall have sufficient memory to store resident software and data. The memory shall be scalable / upgradable.	What is the maximum data that requires to be stored in the Modem and for how long? What is the scalability required?			Provisions as stipulated in the Bid Document will prevail.
16		Point 21: Modem should have 10 MB non-volatile data memory	Please specify why so much of Memory is required?			Provisions as stipulated in the Bid Document will prevail.
17		Point 22: Modems should be able to send outage alerts to MDAS which should send SMS alerts to operators as and when the alert is received	To how many mobile numbers should the SMS be sent from MDAS? Can the SMS be sent by the Modem directly? If the GPRS network is down, the alert will be lost and			Provisions as stipulated in the Bid Document will prevail. Depends upon state to state

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			the purpose will not be met.			
18	QUALIFICATION CRITERIA (PACKAGE-1) (Ref Page no.22)	Point 03: The bidder (single)/ lead partner (JV) should be an OEM (Modem/DCU/Communicable Meters)/ Information Technology Service Company providing services to Govt./ Pvt. Power utilities in India for the past 5 financial years.			Request to amend to one year to encourage new vendors and ensure quality. Please add Consortium partner also.	Bidders are requested refer Amendment-I in this regard.
19		Point 04: The bidder (single)/ lead partner (JV)/Consortium partner (JV) shall have experience of providing System Integration Services involving supply, deployment of Hardware, Software Development & Manpower to power utilities in India in any one of services like Meter Data Acquisition & generating Reports, Meter Data Management, in last 5 years.- -			Request to amend to one year to encourage more vendors and ensure quality.	Bidders are requested refer Amendment-I in this regard.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
20		Point 07: The bidder (single) should have positive networth for last 3 financial years ending on 31-Mar-2016. In case of consortium / Joint Venture, both the partners should have positive net worth for last 3 financial years ending on 31-Mar-2016	Request to amend as one of the partners should have positive net worth for last 3 years			Provisions as stipulated in the Bid Document will prevail.
21	Proof of Concept: (Ref Page no. 27)	Point 01: The bidder shall submit 40 numbers of modems of at least 5 different makes of leading manufacturers for POC	What if the Bidder is a Modem OEM? Or does it mean that only ITIAs or Sis are allowed to bid?			Related Clause in the Bid Document is amply clear. Provisions as stipulated in the Bid Document will prevail.
22		Point 04: The bidder shall demonstrate the POC within 7 days from the date of intimation in RECTPCL office for at least --7 days continuously	Does this include integration with the MDM? If yes please include the complete details of the server and the MDM.			The bidder shall use their own test MDAS and other infrastructure to demonstrate the PoC.

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
PAYMENT TERMS: (Ref Page no. 41)						
23	B. Modems & Other System	Successful installation of all hardware at site in states of Andhra Pradesh, Telangana, Gujarat and Chhattisgarh	10% of <i>Contract value of Modem</i>	Request to amend as 50% against supply, 30% after successful implementation & Commissioning		Provisions as stipulated in the Bid Document will prevail.
24		Go-Live of the System under this package (Andhra Pradesh, Chhattisgarh, Gujarat and Telangana)	15% of <i>Contract value of Modem</i>	10% after 3 months of Go live		Provisions as stipulated in the Bid Document will prevail.
25		Measured deliverables and output regarding data transfer & report generations as per SLAs.	In 20 Equal Quarterly installment s during O&M phase.	10% after 5 years or after go live against 10% PBG		Provisions as stipulated in the Bid Document will prevail.
26	Guarantee: (Ref Page no.47)	The burn out modems/ DCUs should be replaced during		If the meter is fine and the modem is burnt		Provisions as stipulated in the Bid

Srl. No.	Reference Clause no.	Reference clause	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
	Point 8.35.6:	Contract period at free of cost	only this will be applicable. If the meter is also burnt then the Modem cannot be covered under warranty because it is caused by the power quality not a Manufacturing defect.			Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
1.	Page 50 APPENDIX-1	BILL OF MATERIAL (under Package-1)	Kindly arrange to provide Discom wise list of Sub-Stations.	Detailed List of Sub-Stations is required for costing of Installation & Commissioning.		The locations of substations are spread across the state.
2.	Page 3 Name of assignment	“Selection of Central Implementation Agency for Development of 11 KV Rural Feeder Monitoring System”	Tender is for feeder monitoring. Is there any requirement of feeder control in future?	For Selection of Suitable Product having features for future implementation		Bidders are requested to consider the scope as defined in the Bid Document.
3.	Page 3 Important information		Please provide Basis of Earnest Money Deposit Amount			Not required
4.	Page 3 Tender information, section-1	cost of tender/ tender fee	There is no information on cost of tender / tender fees requirement. We understand that there is no such requirement for this tender. Please confirm	To prepare Demand Draft towards cost of tender / tender fee, if required.		Tender cost is NIL.
5.	Page 7 Proposed methodology	System Topology	In System Topology, there are two different technology for Meter Data Capture i.e. either through DCU OR Modem, is provided. We understand that in Package-1, scope is only	Facilitate to prepare techno-commercial proposal accordingly.		Bidders understanding is correct.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			for Modem and not DCU. Please confirm.			
6.	Page 8	Supply of modems, peripheral equipment & SIM with 5 years warranty & support for four states	We request you to directly arrange & provide SIM Card to successful bidder.	For fulfillment of TRAI Regulations		Related Clause in the Bid Document is amply clear. Provisions as stipulated in the Bid Document will prevail.
7.	Page 8 Project Implementation Strategy, A. Central Implementation Agency:	Supply of modems, peripheral equipment & SIM with 5 years warranty & support for four states	Please clarify / specify peripheral equipment	Required for Commercial offer		Peripheral equipments means equipments required to make connection between meter and modem.
8.	Page 10 Cloud Platform	The time duration for implementation of entire project is one year from date of selection of agencies.	Kindly clarify scope of entire project i.e. scope is limited to the tender i.e. 4 States of Package-1 or for all packages?			Scope is limited to 4 states in package-1 and time period for Completion is 6 months
9.	Page 12 1. Presentation Layer	a) A Web based user interface displaying a set of rich and user friendly webpages	Kindly define number of users for cost estimation and licensing	Required for Commercial offer		Under this project The requirement of user is

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		that are compatible with all the leading web browsers as well as browsers that are available on smartphones/tablets. This will be hosted on the cloud server and shall fetch the data from MDAS/MIS and can be accessed by all the stakeholders viz. MoP, Discoms, State officials, REC etc.				20 however the quantity may vary.
10.	Page 16, 17 Section V	In case of no communication/network available, the implementation agency may also acquire meter data through MRI. The minimum automatic data inflow requirement for no penalty under package is 90%. Therefore, bidder can	We request you to reduce percentage of minimum automatic data inflow requirement for no penalty under package to 80% as automatic data inflow depends on Signal Strength of GPRS Service Providers available at that location(s).	The system is solely depends on Service Provider's network.		Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		acquire data of 10% of total number of feeders only under this package through MRI for the purpose of payment/incentive				
11.	Page 17 Central Implementing Agency	Supply, install, operate & maintain Modems, cables, connectors, modem casing or any other system required at 66/11 kV and/or 33/11 kV substations in Gujarat, Chhattisgarh, AP & Telangana States for automated meter data, on line supply status and transmit the same to the central MDAS server.	Material is going to be supplied in 4 states and different locations. Kindly confirm whether the Stores facility at different States shall be provided by Purchaser?	For calculation of Commercial Offer		No , Implementing Agency shall be responsible for all activities under the project. Bidders are also requested to refer Amendment-II.
12.	Page 18 4, MDAS Specification	System should seamlessly transfer data even in case of meter change	Meter change is required to be updated (manually) in Master Data. Hence, we request you to kindly amend this clause accordingly.	Master List of Database is required to create once & to be updated on Meter Change.		Noted
13.	Page 18 7, MDAS	System should be able to backup and	We request you to remove the clause as IT Infrastructure is being	Since IT Infrastructure is being provided by		Application back-up tool to be supplied and it should be configured for back up

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
	Specification	restore the data at the central server	provided by Purchaser	Purchaser, the scope of backup & restore data needs to be removed from scope of CIA.		by the successful bidder.
14.	Page 19 23, MDAS Specification	The user interfaces of the system should comply with Standard ISO 9241	We request you to kindly consider GUI also for the requirements.	GUI is more user friendly.		The bidders are requested to refer Amendment –II in this regard.
15.	Page 19 26, MDAS Specification	Capable of integrating with other MDAS databases	Meter data will be provided for integration in XML format in MIOS standard.			Provisions as stipulated in the Bid Document will prevail.
16.	Page 19 1, Modem Specifications	The modem at the feeder end will have a suitable interface facility to connect with meter by using RS232/RS485/RJ11 cable. If required, modem may also be retrofitted on optical port of the meter. Modem should have two Ethernet ports	We request you to kindly arrange to provide quantity of Meters having Optical Port Only & RS485 Port Only	For arrive on competitive commercial offer		Successful bidder shall arrange this information during implementation stage. During implementation, RECTPCL shall also provide the information on best available basis.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		or any suitable port to connect through Optical Fiber Cable, Leased Lines or VSAT in future.				
17.	Page 22 QUALIFICATION CRITERIA (PACKAGE-1), SECTION-VI	The bidder (single)/ lead partner (JV) should be an OEM (Modem/DCU/Communicable Meters)/ Information Technology Service Company providing services to Govt./ Pvt. power utilities in India for the past 5 financial years.	Since majority OEMs of Modems have supplied their products to IT Implementation Agencies for RAPDRP Projects, experience of OEM providing services to other private companies / firms / entities/ RAPDRP System integrators. Hence Proof of work order and/or other relevant certificates should be considered from such private companies / firms / entities / RAPDRP System Integrators for Qualification.	For better Competition in Tender.		Bidders are requested refer Amendment-I in this regard.
18.	Page 22 QUALIFICATION	The bidder (single)/ lead partner	Since majority OEMs of Modems have supplied their products to IT	For better Competition in Tender.		Bidders are requested refer Amendment-I in this regard.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
	CRITERIA (PACKAGE-1), SECTION-VI	(JV)/Consortium partner (JV) shall have experience of providing System Integration Services involving supply, deployment of Hardware, Software Development & Manpower to power utilities in India in any one of services like Meter Data Acquisition & generating Reports, Meter Data Management, in last 5 years.	Implementation Agencies for RAPDRP Projects, experience of OEM providing services to other private companies / firms / entities/ RAPDRP System integrators. Hence Proof of work order and/or other relevant certificates should be considered from such private companies / firms / entities / RAPDRP System Integrators for Qualification.			
19.	Page 22 QUALIFICATION CRITERIA (PACKAGE-1), SECTION-VI	Bidder (single)/ Lead Partner (JV) /consortium partner (JV) must also have manufactured & supplied at least 7500-nos. GSM/ GPRS modems/meters/ DCUs out of which –3000 nos. should be under	Since majority OEMs of Modems have supplied their products to IT Implementation Agencies for RAPDRP Projects, experience of OEM providing services to other private companies / firms / entities/ RAPDRP System	For better Competition in Tender.		Bidders are requested refer Amendment-I in this regard.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		single contract. Bidder (single)/ Lead Partner (JV) /consortium partner (JV) must have integrated the same with the server (must have acquired the data from the meter & pushed it to head end system seamlessly).	integrators. Hence Proof of work order and/or other relevant certificates should be considered from such private companies / firms / entities / RAPDRP System Integrators for Qualification.			
20.	Page 25 E. Late Bids	In such a case, the bid submitted in hard copy [specific documents (viz., bid security)] shall be returned to the bidder	We understand that only bid security needs to be submitted in hard copy rest all the documents need to be submitted in soft copy. We also understood that there is no sample Submission at the time of bid submission, same shall be required at the time of PoC. Please confirm.	Confirmation shall help us to submit our bid accordingly		Bidders are requested to submit Form-1, Form -2, Form-3, Form 4 (A) (if applicable), Form- 4 (B) (If applicable) and EMD (As per format- Form-6) in hard. Sample of Modems are not be to be submitted.
21.	Page 26 1.2 Second Stage-	The bidders have to install 40 nos. of modems (10	Kindly clarify, whether it is 5 Different Makes of	Please note that OEM of Modems can provide		Related Clause in the Bid Document is amply clear.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
	Implementation of Proof of Concept (PoC)	Nos. in each identified state of package) of at least 5 different makes of leading manufacturers on to the different makes of DLMS and Non- DLMS/legacy meters.....	Modems to be installed on 5 Different Makes of Meters or Single make Modems to be installed on 5 Different Makes of Meters. Please also note that Test MDAS to be provided by bidder & to demonstrate capability to integrate other makes of Modems, data in CDF format as per MIOS is required from Head End System of respective makes of Modems. RECTPCL is required to provide HES of different makes of Modems, for integration. Data from HES must be in CDF format as per MIOS. However, POC should be allowed with single make of Modem.	Modems of their make only which can be integrated with various types / makes of Meters		Provisions as stipulated in the Bid Document will prevail.
22.	Page 27 Proof of Concept	4. The bidder shall demonstrate the POC within 7 days from the date of intimation	We request you to kindly extend initial period of POC, minimum for 15	Dependency of API for legacy meters on RECTPCL.		Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		in RECTPCL office for at least --7 days continuously.	days, as different make / types of legacy meters shall be required to integrate for POC.			
23.	Page 27 2, Interoperability, Technical Evaluation:	Requirement:-Data communication with different make of modems and DLMS & legacy Feeder meters Criterion: - 1) Different makes of modems & meters with Inter-operability 2) Different make of modems & meters with different API	1. for data communication with other modem: other modem data shall be made available by other vendors in standard MIOS format in XML file 2. communication with meter: For legacy meter API shall be arranged by DISCOM / RECTPCL	Required details are must to demonstrate capabilities		Related Clause in the Bid Document is amply clear. Provisions as stipulated in the Bid Document will prevail. And no change is envisaged
24.	Page 27 3, Data Reading Speed in Minutes: Technical Evaluation:	Requirement:- Minimum time interval for meter data reading in push mechanism irrespective of technology used in minutes. (from meter to server) Parameters to be received at the Head End: Meter Time Stamp, kW, kWh,	Please note: 1. Transfer of data depends on strength of signal available at that location 2. Time required to transfer Meter Data depends on type of Meter Data. We request you to confirm whether you shall require	Time required to transfer Meter Data depends on Type of Data & its Data Size & Strength of Signal.		Related Clauses in the Bid Documents are amply clear. Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		Voltage, Current, Frequency and PF.	Instantaneous Parameters at the time of reading meter or Load Survey of 1 Day or Complete Consolidated Data of Meter.			
25.	Page 33 8.8 HANDING OVER ON TERMINATION/ PROJECT COMPLITION:	Application software with source code and required licenses.	If vendor customizes existing software to meet the requirements of REC then only customized code shall be handed over to REC. We request you to kindly amend the clause accordingly.	Application Software is intellectual property of bidder. Source Code of customization depends on Customer (Purchaser) specific requirement.		Provisions as stipulated in the Bid Document will prevail.
26.	Page 35 8.12. CHANGE OF QUANTITY	RECTPCL reserves the right to increase or decrease the quantities of items as specified in the accompanying technical specifications as may be necessary, at the time of award of contract or during the execution of the contract.	We request you to kindly provide percentage by which Quantities of Items may be increase or decrease. Since there are only two line items, which is depended on each other, in tender & deletion of entire line item needs to be review	Entire Commercial Calculations are based on these two line items, which are interconnected		Quantity variation of +/-) 20% may be considered in respect of modems.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		Any item can be deleted in total, if not required during execution	& revised.			
27.	Page 38 8.26 INSPECTIONS AND TESTING:	8.26.3 The agency has to arrange demonstration of software or the entire solutions provided by it before deployment and incorporate requirements of OWNER pertaining to work	We understood that successful bidder has to demonstrate Software, without customization, before deployment. Customization, as per purchaser's requirement, can be carried out later. Please confirm.			Bidders understanding is not correct. The demo should also incorporate the requirements of OWNER pertaining to work during implementation and prior to deployment.
28.	Page 40 8.32 IMPLEMENTATION AND ROLLOUT SCHEDULE (under this package)		Kindly clarify difference between "Award of Contract" & "Work Order". Also confirm whether Work Order for Individual State, shall be released separately or the same shall be issued in one Single Work Order. Also the time schedule provided is not commensuration with Project Implementation	To plan resources accordingly.		Both the terms have been used interchangeably. The Award of Contract shall be for all four states not for individual states. Implementation period shall be six months.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			Period, which is One Year (Page No. 10). Please clarify.			
29.	Page 41 8.33 PAYMENT TERMS		We request you to kindly modify / amend your terms of payment to release partial payment against delivery of materials.			Provisions as stipulated in the Bid Document will prevail.
30.	Page 42 Go-Live Acceptance Criteria (under this package of Central Implementation Agency)	Integration of Modems with Central MDAS with at least 90% of Modems transferring data to MDAS continuously for at least 15 days	We request you to kindly amend the clause to 85% of Modems transferring data to MDAS for at least 15 Days.	As Feeder Meters are of different makes / types / protocols / communication ports & communication depends on Strength of Signal.		Provisions as stipulated in the Bid Document will prevail.
31.	Page 42 Agency Responsible for Payments:	Payments against Part A) Sr. No. 1 to 4 shall be done by RECTPCL on basis of milestone achieved as per the procedure defined in bid documents. —In respect of Part B) Designated Agency/Officers for	For any tender, purchasing authority is single point of contact. Hence, payments shall also be released by REC or at least facilitation by REC.	For Vendor, RECTPCL shall be single point of Contract.		Bidder understanding is correct.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		the purpose of payments shall be communicated at the time of award.				
32.	Page 43 Service Level Agreement(SLA)	MDAS Application Availability - 99% application availability	Please clarify meaning of application availability. Is it related to Hardware? If Yes, IT Hardware is not being provided by bidder.	As such MDAS shall not have any downtime.		Related Clause in the Bid Document is amply clear. Provisions as stipulated in the Bid Document will prevail.
33.	Page 43 Service Level Agreement(SLA)	End-to-End Communication Availability - 90% of end-to-end communication availability	We request you to kindly amend the End-to-End Communication Availability as 85% as end-to-end communication mainly depends on Strength of Signal.	SIM card and network management should be removed from scope of bidder.		Provisions as stipulated in the Bid Document will prevail.
34.	Page 45 Agreements among various Stakeholders	In order to avoid any issue during implementation as well as operation and maintenance among various stakeholders, bipartite/ tripartite	Please share the agreement format, terms & conditions of such agreements needs to be reviewed before bidding in the tender 1. 1. Agreement among RECTPCL, Cloud	Formats are required for our review before participation in tender. Since it calls agreement with CIA as well.		Shall be shared prior to submission of bids . Sole objective of all such agreements is to avoid contractual issues during implementation and

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>agreements need to be executed. The indicative list of such agreement is as below:</p> <p>1. Agreement among RECTPCL, Cloud provider, Central Implementing Agency under this package.</p> <p>2. Agreement among RECTPCL, Discom & Implementing Agency of other packages (Zonal Implementing Agency).</p> <p>3. Agreement among RECTPCL, Discom & State Government</p> <p>4. Agreement among RECTPCL, Central Implementing Agency, Zonal Implementing Agency & Discom</p>	<p>provider, Central Implementing Agency under this package.</p> <p>2. 4. Agreement among RECTPCL, Central Implementing Agency, Zonal Implementing Agency & Discom</p>			operation and to keep interest of all stakeholders intact.
35.	Page 46 PENALTY FOR PERFORMANCE	In case of no communication/network available, the implementation agency	We request you to amend the clause as per proposed minimum automatic data inflow of			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		may also acquire meter data through MRI. The minimum automatic data inflow requirement for no penalty under package is 90%. Therefore, bidder can acquire data of 10% of total number of feeders under this package through MRI for the purpose of payment/incentive.	85%.			
36.	Page 62 BID BANK GUARANTEE (EARNEST MONEY), FORM-6	The date shall be thirty (30) days after the last date for which the bid is valid.	As per page 51, BID SUBMISSION FORM, proposal is valid for your acceptance for 90 days from date of Technical Bid opening. We understand that BG validity for EMD is 120 days from the date of Technical Bid opening. Please confirm			Bidders understanding is correct.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
1	Page 7 Proposed architecture	Proposed architecture	what is the expected connection system between cloud data centre and national power portal? Is it over VPN or GPRS or any other, please specify? This will require for data integration methodology identification.			All connections between cloud data Centre & NPP are required to be established by Central Implementing Agency by using GPRS.
2	Page 7 second para	The MDAS shall be hosted on centralized Cloud Server which shall be provided by RECTPCL. As per the proposed system, the meter data shall be stored by Modem/ DCU in 15/30 minutes interval and transferred to Central MDAS for the 24 hours period on daily basis.	Store and Forward mechanism through Modem is one kind of architecture, Objective of receiving data at desired interval can also be achieved through architecture involving transparent modem. We think that the objective of the REC is to obtain data at desired interval without any loss hence request is to keep the architecture flexible.In RAPDRP project most of the states are working on transparent mechanism . Further, for storing the data modem should have the protocol of each and every			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			type of legacy meters, implementation of which will be an impossible task in modem because of the age and makes of meters installed in the field.			
3	Page 19 Point 21	Modem should have 10 MB non-volatile data memory.	In reference to the reasons explained in point 2 above , we request you to keep the option of transparent modem with minimum memory of 128 kB .			No change envisaged, Provision of Bid Documents shall prevail.
4	Page 8 Project implementation strategy, first para	The implementation strategy defines the overall approach to be adopted for the rollout of the system. Considering the fact that scheme is to be implemented on many states by different vendors of Modems/DCUs, it is necessary to ensure integration of various types of modems with all types of existing meters on 11 kV Rural feeders and integration of Central MDAS with various makes of Modems.	Since there is no standard available for modem hardware and firmware hence it is very difficult and time taking activity to integrate multiple makes of modem directly with universal MDAS . Since Modem manufacturer's have optimized their solutions towards their own HES, It is therefore requested to allow the modem supplier to use their HES for data fetching and integrate HES with MDAS over cloud with the help of MDAS solution provider .Also since the diagnostic tool will be modem specific it should be in the scope of modem			Provisions as stipulated in the Bid Document will prevail. The responsibility of integration shall be of CIA & ZIA both.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			supplier to provide the same alongwith their HES.			
5	Page 8 bullet point 5	Integration of MDAS with other software /system & Modems/DCUs to be supplied in other packages	Considering above point, there should be a provision to provide the required virtualization space on cloud server to each zonal agency for implementing "data acquisiton and diagnostic exe/tool). Kindly clear this in other sections also with more details regrading location and server allocation etc.			Provisions as stipulated in the Bid Document will prevail. The responsibility of integration shall be of CIA & ZIA both. The requirement of cloud server shall be finalized with CIA considering Future requirement.
6	Page 8 bullet point 2	Provide Install, operate & maintain the required network connectivity at slave location to ensure the transfer the data to Central MDAS.	We understand slave location as a server space over cloud for zonal agency to host their required tools for reading and service maintenance. Kindly confirm the same.			Related clause in the bid document is amply clear.
7	Page 8 bullet point 5	Transfer the infrastructure supplied & installed along with required license to	Who will be considered as a designated agency for respective packages having			The designated Agency shall be appointed prior to

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		designated agency at the end of contract period	4-5 states. It will be state wise or any zonal agency?			the expiry of Contract
8	Page 8 The detail of proposed States	The detail of proposed States	Pls. share substation name & details for all 1 Lac Site locations, so that service provider can share there feasibility mapping & best Service provider can be chosen by bidder.			The details shall be shared with Successful Bidder.
9	Page 10 last para	The time duration for implementation of entire project is one year from date of selection of agencies.	Since bidders have been asked to integrate the legacy meters and HES solution of modem provider will also have to be integrated with MDAS solution, it will take about 6-9 months in conducting the successful PoC , after which rest of the packages cannot be completed in remaining 3 months hence the request is to increase the total duration of the project to 18 months from the date of award of technically and commercialy clear contract .			Provisions as stipulated in the Bid Document will prevail. For this package , Completion period is 6 month only, one year period is for completion of project under all packages.
10	Page 12 Point b	Data feeds in a pre-defined JSON format transferred to the National Power Portal from the database using FTP mechanism.Web services that are deployed on the SOA service bus.	what will be the frequency to transfer the data to NPP?			The frequency of data shall be once in a day in the blocks of 15/30 Min for Load Profile and for

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
						Instantaneous data, frequency shall be event based.
11	Page 13 Point 3, a	MDAS will carry out real-time data acquisition from the deployed meters, and organize the data in the database in a Common Data Format (CDF) in the MDAS database. MDAS application mainly consists of following components:	Please clarify the data polling frequency. Word MDAS will have to be replaced with HES because meter data will be acquired by HES provided by modem manufacturer which further will be transferred at the specified interval (not on real time basis) to MDAS.			Related Clause in the Bid Document is amply clear. Provisions as stipulated in the Bid Document will prevail.
12	Page 13 Point 2	Instantaneous Data: This data would be collected locally in meter at 15/30 min frequency and all the aggregated data pushed to MDAS once in every 24 hours.	In case of legacy meters, instantaneous parameters at 15/ 30 minutes can be obtained only if those meters have facility of recording survey of inst parameters at this interval otherwise HES will raise query through modem for getting the instantaneous data of that particular moment of time (not of any time interval say 15/ 30 minutes) .			The frequency of data shall be once in a day in the blocks of 15/30 Min for Load Profile and for Instantaneous data, frequency shall be event based.
13	Page 14 4.3 Proposed Network Connection	In case of availability of better communication medium viz. optical fiber, V-sat etc., the proposed SIM services may be	We appreciate the REC vision to replace SIM and connect modems to OFC . To the best of our knowledge, none of the modem			Bidders are requested refer Amendment-II in this regard.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		terminated/modified and suitable formula would be devised for deduction in payments against transfer of monthly data from SIM providers.:	mnaufacturer have ethernet port in their existing design of modem . To meet your requirement a new modem will have to be designed which will requires significant efforts in terms of time and it shall not be possible to meet your project time lines even within 18 months which has ben requested early in this dcoument .Since DCUs have ethernet port in their design, it can serve the purpose if modems are dropped from being installed at each and every feeder meter.			
14	Page 22 Section-VI Qualification criteria	Sr. no.4 The bidder (single)/ lead partner (JV)/Consortium partner (JV) shall have experience of providing System Integration Services involving supply, deployment of Hardware, Software Development &Manpower to power utilities in India in any one of services like Meter Data Acquisition & generating Reports, Meter Data Management, in last 5 years.	We request you to please amend the clause as: "The bidder (single)/ lead partner (JV)/Consortium partner (JV) shall have experience of providing Services involving supply, deployment of Hardware, Software Development, running the system, maintenance for 3 years, in any one of services like Meter Data Acquisition or Meter Data Management, in last 5 years directly or			Bidders are requested to Refer Amendment-I in this regard.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			through System Integrator (SI)"			
15	Page 25 Bidding process	Electronic Reverse Auction (e-RA)	We request you to kindly adopt the QCBS (Quality and Cost Based Selection) to award the contract to best technocommercial bidder . We also request you to give 75% weightage to technical evaluated score and 25 % to Financial evaluated score to reach to the highest final score to award the contract.			Provisions as stipulated in the Bid Document will prevail.
16	Page 36 8.18 LIABILITY FOR ACCIDENTS AND DAMAGES:	8.18 LIABILITY FOR ACCIDENTS AND DAMAGES:8.18.1. The Agency shall be liable for and shall indemnify the RECTPCL in respect of all injury to person or damage to property resulting from the negligence of the Agency or his workman or from defective work but not from any other cause.8.18.2. Provided that the Agency shall not be liable for any loss or profit or loss of Contract or any other claim made against the RECTPCL not already provided for in the contract, not for any injury or damage caused by or	Request following modification .8.18 LIABILITY FOR ACCIDENTS AND DAMAGES:8.18.1. The Agency shall be liable for and shall indemnify the RECTPCL in respect of direct and proven injury to person or damage to property resulting from the negligence of the Agency or his workman or from defective work but not from any other cause.8.18.2. Provided that the Agency shall not be liable for any loss or profit or loss of Contract. His total liability for loss, damage or injury under this clause exceed the total value of the Contract.8.18.3. The Agency			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>arising from the acts of the RECTPCL or of any other person or due to circumstances over which the agency has no control, not shall his total liability for loss, damage or injury under this clause exceed the total value of the Contract.8.18.3. The Agency will indemnify and save harmless the RECTPCL against all actions, suits, claims, demands, costs, or expenses arising in connection with injuries (other than such as may be attributable to the RECTPCL or his employees) suffered prior to the date when the work shall have been taken over hereof by persons employed by the agency on the work, whether at common law or under the workman's compensation Act-1923 or any other statute in force at the date of contract relating to the question of the liability of employees for injuries suffered by employees and</p>	<p>will indemnify and save harmless the RECTPCL against direct and proven damages arising in connection with injuries (other than such as may be attributable to the RECTPCL or his employees) suffered prior to the date when the work shall have been taken over hereof by persons employed by the agency on the work, whether at common law or under the workman's compensation Act-1923 or any other statute in force at the date of contract relating to the question of the liability of employees for injuries suffered by employees and will if called upon to do so take out the necessary policy or policies of insurances to over such indemnity.8.18.4. The agency shall insure against such liabilities with an insurer approved by the Engineer and shall continue such insurance, during the whole of the time that any person(s) are employed by him on the works and shall when required produce to</p>			

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		will if called upon to do so take out the necessary policy or policies of insurances to over such indemnity.8.18.4. The agency shall insure against such liabilities with an insurer approved by the Engineer and shall continue such insurance, during the whole of the time that any person(s) are employed by him on the works and shall when required produce to the concerned Engineer, such policy of insurance and the receipt for payment of the current premium.	the concerned Engineer, such policy of insurance and the receipt for payment of the current premium.			
17	Page 40 Point b	TIMELINES, PAYMENT TERMS, GUARANTEES & LIABILITIES	Kindly clarify how payment for Connectivity will be made.			Repeated
18	Page 41 8.33 PAYMENT TERMS	8.33 PAYMENT TERMSNo. Milestone Payment Terms <u>A. MDAS&MIS(Quoted as in point 1 above)</u> 1. Successfuldeployment of Central MDAS on Cloud Server10% of contract value of MDAS System as quoted under Sr. No.1 of Form-5(Financial Bid Form)2. Go-Live of the	Please clarify payment terms for B/w (Network Connectivity)Alternatively can we propose the following : - Network Service Provider providing Connectivity in form of SIM Cards / P2P Links / MPLS or Internet will be eligible for billing for each individual link/SIM card provided to customer from the date of			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>entire System under this Package 10% of contract value of MDAS System as quoted under Sr. No.1 of Form-5 (Financial Bid Form) 3. Integration of modems of all states (other than this Package as described under Section-III) under various packages proposed to be rolled out separately during implementation of scheme, with at least 90% of Modems transferring data to MDAS continuously for at least 15 days. 30 % of contract value of MDAS System as quoted under Sr. No.1 of Form-5 (Financial Bid Form) on pro-rata basis on achievement of Go Live status of each state based on the quantity of Modem in that particular state. 4. Measured deliverables and output regarding data transfer & report generations as per SLAs. Balance contract value of MDAS System as quoted under Sr. No.1 of Form-5 (Financial Bid Form) in 20 Equal</p>	<p>Commissioning of such link/ SIM Card.-Further, each individual link / SIM would be accepted on individual basis and Client to provide Letter of Commissioning of such respective nature, Billing to commence from Date of LOC Payment to be made monthly in advance from date of LOC</p> <p><u>Other payment terms are as proposed below :</u>The payment mile stones mentioned in the RFP are very unfavourable to sustain during the contract execution hence the request is to change the mile stones as recommended below:-</p> <ul style="list-style-type: none"> -Mobilization advance as 10 % of the contract value of supply against BG of equivalent amount . -80 % of the hardware value (modem/ DCU etc) to be paid against receipt of material in designated stores. 10 % of the hardware supply value alongwith 90 % of the service cost on monthly prorata basis on successful transfer of meter data in MDAS. Balance 10 % of 			

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		<p>Quarterly installments during O&M phase of MDAS & MIS. <u>B. Modems & Other System (quoted as in point 2 above)</u>1. Successful installation of all hardware at site in states of Andhra Pradesh, Telangana, Gujarat and Chhattisgarh 10% of Contract value of Modem & Other System calculated based on the rate quoted at Sr. No. 2 of Form-5 (Financial Bid Form).2. Go-Live of the System under this package (Andhra Pradesh, Chhattisgarh, Gujarat and Telangana) 15% of Contract value of Modem & Other System calculated based on the rate quoted at Sr. No. 2 of Form-5 (Financial Bid Form).3. Measured deliverables and output regarding data transfer & report generations as per SLAs. Balance Contract value of Modem & Other System calculated based on the rate quoted at Sr. No. 2 of Form-5 (Financial Bid Form). in 20 Equal</p>	<p>the services cost to be reimbursed on completion of installation on all the feeders where appropriate meters are installed. -FMS charges for meeting the performance standard to be reimbursed on quarterly basis . All the above payments to be released within 15 days of submission of invoice .</p>			

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		Quarterly installments during O&M phase.				
19	Page 43 Taxes & Duties	Taxes & Duties Any statutory variation in existing rates of taxes /duties/ levies/charges during contractual completion period only of contract will be to RECTPCL/DISCOM account. However, for claiming any such statutory variation, the contractor is required to furnish the documentary evidence / proof in support of the same for scrutiny and approval. Any downward variation in above rates of taxes/duties/levies will have to be passed on to the RECTPCL/DISCOM	It is our understanding that in case of Upward Revision of Service Tax / Duties, the same will be chargeable extra as per Actual Prevailing rates at time of Invoicing. Also in case of GST implementation the same would be applicable.			Bidders understanding is correct.
20	Page 43	End-to-End Communication Availability 90% of end-to-end communication availability Measured on the basis of average number of feeders not communicating monthly	Pls. specify calculating mechanism for connectivity. These calculation should be based on the modem installed on meters, not on meters in scope for that state.			Provisions in bid documents are amply clear.
21	Page 45	In order to avoid any issue during implementation as well as operation and	Request you to keep telecom service provider as a party to the Tripartite agreement			Already Clarified.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
	Agreements among various Stakeholders	maintenance among various stakeholders, bipartite/ tripartite agreements need to be executed.				
22	Page 46 Clause 8.34.7 Penalty for delay	For any delay in implementation and rollout schedule, as per Clause 8.32, a penalty @1/2% (half percent) per week or part thereof shall be levied / recovered subject to a maximum of 10% (ten percent) of the contract value. Thereafter, RECTPCL reserve the right to cancel the contract	we request you to please amend the clause as :For any delay in implementation and rollout schedule, as per Clause 8.32, a penalty @1/2% (half percent) per week or part thereof shall be levied / recovered on undelivered part subject to a maximum of 10% (ten percent) of the total value of undelivered portion.			Provisions as stipulated in the Bid Document will prevail.
23	Page 43 and Page 46 Service level agreement and Clause 8.34.8 Penalty for performance		Since there are many remote sites where availability of the network is not guaranteed and also as per our practical experience availability of data at least of 90% is very challenging and it is next to impossible for the initial 6 to 9 months period. In the start of any communication related project due to teething problems the desired availability can't be achieved. Hence, data availability during O&M shall be 70% >= 80% for the initial six months, thereafter			

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			80% >=85% for next three months and 85% thereafter. Also, we would like to draw your attention that the service levels are not practically measurable. Acceptable limit & penalty can only be finalized after technical feasibility at each site and excluding the scheduled maintenance & failure of power source.			
24	Page 47 Clause 8.35.6	The burn out modems/ DCUs should be replaced during Contract period at free of cost	please modify the clause as: The burn out/defective modems/ DCUs should be repaired/replaced during Contract period at free of cost. Cases of Vandalism and short circuit in the power system or any other issue related to weak system at substation (e.g earthing etc.) will not be covered in free replacement of burnt modems/ DCU			Provisions as stipulated in the Bid Document will prevail.
25	Page 26 Point 1.2	Second Stage- Implementation of Proof of Concept(PoC):	kindly clarify: this bid in for the package 1 state solution by CIA agency then what is the process to quote as ZIA in other packages and POC will be for CIA only or for ZIA also?			POC is mandatory for the Bidders participating in Package-1. Modalities of PoC for other

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
						Packages shall be decided later.
26	Page 26 Point 1.2	Second Stage- Implementation of Proof of Concept(PoC):	POC will require the integration with respective modern vendors and reading software then provided time is not sufficient for POC. Kindly provide the sufficient time.			Bidders are requested refer Amendment-I in this regard.
27	Page 65	Break up of prices	The price schedule should have different line items of Supply, Erection and installation and maintenance services (FMS) for a period of 5 years.			Provisions as stipulated in the Bid Document will prevail.

Sr. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
1		RFQ Document	As per the schedules, the POC has to be completed before the e-Reverse Auction (i.e. 16 th August, 2016), this would be a very challenging deadline to meet as installing in 4 states will entail logistical challenges. Is it possible to get an extended submission deadline			Bidders are Requested to Refer Amendment-I.
2	Payment Terms Section 8.33 Page 41		Would majority payment against delivery and installation			Provisions as stipulated in the Bid Document will prevail.
3	Modem Specifications Page 19		As per our understanding the bidder can propose modems from more than one vendor Please clarify			Bidders understanding is correct.
4	Network Specifications Page 21		It is advisable that the Network Service Provider and SIM should be procured by REC in a tripartite agreement along with the bidder like in R-APDRP			Provisions as stipulated in the Bid Document will prevail.
5	QR	Proposals shall be submitted by an individual Bidder or through Joint Venture. Joint Venture mean One Lead Partner who should be an OEM	Considering the fact that the feeder monitoring project involves implementing the solution at multiple states which in turn involves herculean			Provisions as stipulated in the Bid Document will prevail.

Sr. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
		(Modem/DCU/Communicable Meters)/ Information Technology Service Company and one other partner.	tasks of implementation and monitoring, hence request the authority to relax this clause to form Multiple Vendors as Consortium with more than 2 members			
6		The bidders have to install 40 nos. of modems (10 Nos. in each identified state of package) of at least 5 different makes of leading manufacturers on to the different makes of DLMS and Non-DLMS/legacy meters and retrieve the data from meter and push the data to the Test MDAS of bidder (by using the GPRS connection of their proposed service provider)	Considering the time given to perform POC is very less and also since POC has to be executed at multiple sites in multiple states, request you to relax the clause of 'at least 5 different makes of leading manufacturers' to 'multiple models' hence not restricting the count to a minimum of 5.			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
1	POC		Considering the difficulties in getting different protocols of legacy meters, it is proposed to implement the POC for only DLMS meters. Also the legacy meters does not have a separate AMR port for communication. We have seen in the field that lot of times the modem communication drops because of the optical port connection is disturbed.			Provisions as stipulated in the Bid Document will prevail.
2	POC		Implementation of PoC (Proof of Concept) can be restricted to any one state by installing AMRs at different locations. Implementation of PoC in different states simultaneously would be very difficult as this involves lot of logic related issues			Provisions as stipulated in the Bid Document will prevail.
3	Payments		As part of payment terms the MDAS application cost and Modem hardware cost is being divided into quarterly installments. But it is			Provisions as stipulated in the Bid Document will prevail.

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
			<p>proposed to have 100% payment of Modem hardware part once the system is declared Go-Live. After that a separate FMS contract can be awarded with quarterly payment terms.</p>			
4	General		<p>We propose that the communication mechanism can be kept open so that the modem vendors can use the best possible technology to get the data. There can be a hybrid model in implementation. As these feeders are in rural location, the signal strength of cellular operators at different feeders varies greatly. So we propose that there should be a provision to the hardware vendors to use hybrid system for communication.</p>			<p>Provisions as stipulated in the Bid Document will prevail.</p>

Srl. No.		Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
1		General	Contents of documents are merged with each other at every page, not able to read properly. Combining of words leading to misrepresentation of actual meaning.	Separate out combined texts to read them meaningful.			Query is not clear
2		Page 7 Proposed Methodology	It seems from architecture diagram that modems need to communicate data to centralize MADS as well as state MDAS.	Modem can send meter data to only one server location i.e. IP specified in the modem, once data has routed to central MDAS, it can be further routed to multiplication based on the connection.			Modem needs to communicate with Central MDAS
3		Page 7 Proposed Methodology	RFP states that modem and DCU both can be used for data acquisition	Is there any parameter set by RECTPCL to decide whether Modem OR DCU would to be installed on a particular substation. Please clarify.			Bidders are requested to note that Under Package-1 only Modems are to be used.
4		Page 7 Project Implementation Strategy	It is necessary to ensure integration of various types of modems with all types of existing meters on 11 kV Rural feeders and integration of Central MDAS with various makes of Modems.	Who and how central implementation agency would ensure integration of modems with central MDAS for modem supplied under zonal implementation agency. Please clarify the support from other vendors on the same.			Provisions as stipulated in the Bid Document will prevail.
5		General	Location of modem, installation	Please clarify, basic data will be provided by RECTPCL for modem			

Srl. No.		Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
				installation and commissioning.			The data shall be shared with successful bidder on best available basis. .
6		Page 9 Tentative Bill of Quantity of various Packages	Other five packages for zonal implementaion agency tender	Packages of states should be basis on their geographical locations to manage project smoothly. Adjacent states with one agnecy can have better control over the project rather than having distributed states.			Not relevant for current package.
7		Page 10 Time duration for implementation of entire project	Central Implementation Agency and all Zonal implementation agencies shall be given six months implementation period each from the date of award to execution of their respective packages.	Six months for implementation of project is not sufficient basis on previous experience in R-APDRP projects. There are multiple agencies like. RECTPCL, State Discoms, NSP & MDAS agency would be involved. Kindly keep it minimum 1 year for each part of the project.			Provisions as stipulated in the Bid Document will prevail.
8		Page 13 Load Survey Data: Frequency of data collection	Load survey data would be collected locally in meter at 15/30 min frequency and all the aggregated data pushed to MDAS once in every 24 hours.	It takes 20-25 minutes to read data from meter, hence it would be difficult to conitnuously fetch the meter data on 15/30 mIn frequency. Kindly keep it once in a day for read and upload entire meter data.			Related Clauses in the Bid Documents are amply clear. Provisions as stipulated in the

Srl. No.		Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
				Terminology should be used as "Complete meter data" in place of "load survey data". It includes tamper, billing data as well.			Bid Document will prevail.
9		Page 13 Protocol Layer	Protocol layer would carry out the necessary conversion to a common format (MIOS) understood by the central MDAS system. This layer would be created by the implementation agency and may use API's provided by different manufacturers. The different type of protocols that are currently used by meters are DLMS/COSEM (IEC 62056), Modbus RTU/TCP, IEC 1107/61107, ANSI C12 and few proprietary protocols.	Kindly clarify that RECTPCL would arrange required APIs/Protocols for the installed meters.			Bidders are requested to note that development/ arrangement of API/ Protocols is in the scope of Bidder.
10		General National power portal	MDAS need to be integrated with NPP	Kindly clarify, who will support to integrate MDAS data with NPP.			Integration of Central MDAS with NPP shall be the responsibility of Central Implementing Agency.
11		Broad scope of work	There is need of MDAS & MIS system.	Requirement of required features of the entire system can't be fulfilled by			Related Clause in the Bid

Srl. No.	Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
	Specifications of entire system		MDAS app. MDM software is also required to process the meter data and have desired reporting.			Document is amply clear. Provisions as stipulated in the Bid Document will prevail.
12	Page 18 MDAS Specifications Point No- 4	System should seamlessly transfer data even in case of meter change	In case of meter change, Modem shall not transfer meter data due to non-compatibility of cable. Communication cable is different for each type of energy meter. Physical visit is mandatory to replace the compatible comm cable.			Provisions as stipulated in the Bid Document will prevail.
13	Page 19 Modem Specifications Point No 1	The modem at the feeder end will have a suitable interface facility to connect with meter by using RS232/RS485/RJ11 cable. If required, modem may also be retrofitted on optical port of the meter. Modem should have two Ethernet ports or any suitable port to connect through Optical Fiber Cable, Leased Lines or VSAT in future.	Modem is having one serial port for serial communication, it doesn't have two ethernet ports for communication. DCU may have this provision. Kindly amend the clause.			Bidders are requested refer Amendment-II in this regard.

Srl. No.		Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
14		Page 19 Modem Specifications Point No 2	Modem should be capable of working on single phase 230V, 50Hz power supply.	Three phase enabled modems will have better reliability to work at Rural feeder. In can work in case one phase is out of power. Kindly make it three pahse four wire power supply.			Bidders are requested refer Amendment-II in this regard.
15		Page 21 4	The bidder shall tie up with more than one network providers as per requirments in specific states of the package, so that data transfer should not suffer on account of unavailability/ poor availability of network connectivity of a particular service provider. In case of availability of better network communication medium in future in any of states in package, the proposed SIM services may be terminated/modified and suitable formula would be devised for deduction in payments of bidder against transfer of monthly data from SIMs of that particular state.	We suggest to take 3G as prefered network connectivity due to its faster speed, better latency, & also fall back option on 2G network for better uptime. Higher rate will help to build futuristic network			As per Provisions stipulated in the Bid Document. No change envisaged.
16		Page 8 The detail of proposed States	The detail of proposed States	Pls. share LAT LONG or Detailed Address (Prefered) for all 1 Lac Site			Already Clarified

Srl. No.		Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
				locations, so that service provider can share there feasibility mapping & best Service provider can be chosen by SI			
17		Page 44 Mean time to resolve (MTTR)	Network Failure: <=24 Hours of reported network failure	2G/3G Connectivity are offered on best effort basis due to technology limitation, End connectivity failure can be due to mutiple factors which are also not in control of service provider. Hence Request you to increase the time to resolve to 72 hours. (Excluding following Conditions : SIM faulty, Sim damage, Force Majore conditions etc)			Provisions as stipulated in the Bid Document will prevail.
18		Page 40 b	TIMELINES, PAYMENT TERMS, GUARANTEES & LIABILITIES	Kindly clarify how payment for Connectivity will be made.			Already Clarified.
19		Page 43	End-to-End Communication Availability 90% of end-to-end communication availability Measured on the basis of average number of feeders not communicating monthly	Pls. specify calculating mechanism for connectivity			Already Clarified.

Srl. No.		Reference Clause no.	Reference	Bidders Query	Rationale	Bidders Suggestion	RECTPCL response
20		Page 41 PAYMENT TERMS	PAYMENT TERMS	Payment terms to be amended as below- 1. 10% Mobilization advance 2. 50% against delivery of modems/hardware 3. 30% against instalaltion and commissioning of modems/hardware 4. 10% on go-live of entire project			Provisions as stipulated in the Bid Document will prevail.
21		Page 43 SLA	90% of end-to-end communication availability	SLA are to be relaxed in terms of practical aspects of network availability and other dependencies on state discoms.			Provisions as stipulated in the Bid Document will prevail.