Sl No	Reference page number from RFP	Reference Content from RFP	RFP Reference Text / Help Text	Query/ Clarification required	RESPONSE(NPCL)
1	26	Section 1.4	Multiple trading models	Please elaborate on "Multiple trading models"- is it daily/ monthly/ weekly payment cycle or payment based on no of consumers- please explain	Multiple Trading model examples can be but not limited to - 1 consumer buys power from 1 Prosumers, Consumer buys power from multiple prosumers at the same time, Trading on variable pricing, Trading on a fixed price, auto selection of prosumer or Selection of prosumer as per consumer's choice or preferential trading.
2	26	Section 1.4	Multiple trading models	Could you provide more detail on what you expect to see on your preferred trading models? What are the cash flow expectations and preferred business revenue generation model?	Multiple Trading model examples may be but not limited to - 1 consumer buys power from 1 Prosumers, Consumer buys power from multiple prosumers at the same time, Trading on variable pricing, Trading on a fixed price, auto selection of prosumer or Selection of prosumer as per consumer's choice or preferential trading. No Preference
3	26	Section 1.4	Multiple trading models	What will be the assessment criteria for the trading models?	Functionalities, options and ease of use for consumer / Prosumers
	26	Section 1.10	Multiple trading models	Could you provide more detail on your preferred business models?	Bidder has to suggest considering the industry best practices
4	26	1.7	Adding of new consumer, Prosumers and Approval mechanism	We understand the login and logout of this system will be independent of existing system Query - How authentication/ authorization to be established?	Yes, It will be independent of the existing system, Also Consumer / prosumer Registration process to be suggested by the Bidder

5	26	1.1	Identification and Implementation of transaction mechanism between Prosumer, Consumer & Discom along with Settlement Criteria	Will there be any transaction between DISCOM and prosumer/ consumer ?- Please explain	Yes, a configurable option for Discom to charge a fixed/ variable amount based on the guidelines issued by regulatory on regular basis.
6	26	1.13	Implementation of DISCOM Incentive on every Buy/ Sell	How is this incentive calculated? Will there be any integration with external APIs for this?	Per consumer basis or Per transaction basis. No there is no need of integration with external API's as of now.
7	26	1.18	Penalty mechanism for Prosumers for non-adherence to Utility guidelines or not meeting the energy selling obligations as per contract with consumer	Rule based penalty to be charged from prosumer and will be payable to NPCL for non-adherence - Please confirm	Yes, Rule based penalties should be payable to NPCL by Consumer / Prosumers
8	26	1.19	Time based bid expiry functionality	Bid between prosumers and consumer will be valid for time. Outside that the bid will expire - Please confirm	Yes, as per the RfP section VI Scope of Work
9	26	1.23	AI based energy forecasting	Predictive Model can be developed to forecast energy requirements Query - What is the scope of AI based model. Is the AI model to be considered in the pilot?	Yes, as per the RfP section VI Scope of Work Scope is limited to Prediction of energy Requirement, Suggestion of probable prosumers based on the power requirement to consumers.
10	26	1.12	Various Reports / dashboard for review of transactions	How many reports or dashboards are we talking about? Do we have any list as per business requirement?	Number of Reports and Dashboard are specific to the solution provided by the bidder, NPCL does not have any specific requirement

11	26	Section VI	Scope Of Work	Kindly specify the number of meters (Prosumers and Consumer) to be part of the pilot	Approx. - 7 to 10 consumers / prosumers
12	28	Section VI 5	Scope Of Work	Clause refers to meters on site. Can information be provided about the type specifications and functionality of these meters?	Smart Meters for real time consumption monitoring
13	26	Section VI	Scope Of Work	Kindly specify the duration of the pilot	4 - 6 Months, bidder has to suggest as per industry practice
14	26	Section VI	Scope Of Work	Kindly specify the start date of the pilot project	NPCL intends to start project as soon as possible, post selection of possible bidder
15	26	Section VI	Scope Of Work	Kindly provide details on whether NPCL will be providing the data of smart meters, meter data communication etc. in the required format for P2P trading	Yes, Required parameter shall be made available - Refer Section - VI, Point 2 - Integration scope
16	26	Section VI	Scope Of Work	Also suggest who will install the smart meters or the project will consider only the installed smart meters	NPCL shall support for the installation of smart meters
17	26	Section VI - Point - 2	Scope Of Work - Integration Scope	Kindly suggest whether NPCL will provide customer information and Meter data through API interface to the selected vendors platform	As per RfP section - VI, Point 2 - Integration scope
18	26	Section VI - Point - 2	Scope Of Work - Integration Scope	Kindly suggest on the frequency of data communication for the P2P trading i.e. it will be provided once a day or every 15 min / 30 min	As per RfP section - VI, Point 2 - Integration scope

19	26	Section VI - Point - 2	Scope Of Work - Integration Scope	There will be a requirement to integrate the P2P trading result with the NPCL billing system. If yes, kindly suggest whether the integration requirement at NPCL end will be managed by its own IT team or need to be managed by the bidder	NPCL shall be taking care of integration requirements with their existing system
20	26	Section VI - Point - 2	Scope Of Work - Integration Scope	Kindly clarify whether NPCL will be ready to integrate P2P information through an API (Client API)	As per RfP section - VI, Point 2 - Integration scope
21	26	Section VI - Point - 2	Scope Of Work - Integration Scope	Kindly specify the billing system currently in use in NPCL	SAP Billing (S4 HANA)
22	27	1.3	Detailed billing data accessible to end users and NPCL	Billing Data will be shown to end users in the web application There will be screen for NPCL users to see detail billing data Query - Is there any need to send these data to your existing system for billing or any other purposes If yes, how will this integration to be done?	As per RfP section - VI, Point 2 - Integration scope
23	26	1.25	Implementation and integration of required databases for locally storing data and also integration with meter data acquisition system, SAP billing system and online payment interface needed	Database will be integrated for local storing data Meter Data to be integrated with the P2P system For Pilot, as mentioned in Page 27 Point 2.3.a, data will be shared through file based integration, we are thinking of file being kept in SFTP Server and we can read data directly from the file in server	As per RfP section - VI, Point 2 - Integration scope

				Query - Please confirm if this will be the architecture Is there any preferred database for local storing?	
24	26	Section VI	Scope Of Work - Integration Scope	· What is the anticipated pilot size? · What is the anticipated contract value range? · What are the IoT integration requirements: Smart Meters, Inverters BMS Can you provide some detail on the intention of the use of the IP post-project?	Please refer the RfP section VI - Scope of work.
25	26	1.25	Implementation and integration of required databases for locally storing data and also integration with meter data acquisition system, SAP billing system and online payment interface needed	Database will be integrated for local storing data SAP billing system to be integrated Query - How will the data transfer be done? Will this be bi-directional? Will be from SAP to P2P or P2P to SAP? How will the data transfer be done? If there will be changes in SAP, who will do the changes? Will there be any impact on any other systems?	As per RfP section - VI, Point 2 - Integration scope

26	26	1.25	Implementation and integration of required databases for locally storing data and also integration with meter data acquisition system, SAP billing system and online payment interface needed	Online Payment Interface is to be integrated We will integrate payment interfaces to the P2P System Query - Is there any need to send these data to your existing system for billing or any other purposes If yes, how will this integration to be done ?	As per RfP section - VI, Point 2 - Integration scope
27	26	Section VI	Scope Of Work - General	· Who will manage and administer the Block chain based system? NPCL, a 3rd party or the applicant. What is the preference · What is the relationship between the DSCOM and the P-2-P trading platform operator? · Will the use of digital-currencies be necessary? · Is network interoperability required e.g. private-public? What is the purpose of a private block chain network for this work?	1. NPCL shall manage and Administer the Block chain network. 2. DISCOM and P2P trading platform operator are same 3. No network interoperability Is not required 4. No specific requirement, Bidder has to suggest based on the industry practice
28	28	3.3	Preparation of the monitoring and results management framework	Are there any specific requirements/suggestions from your end for the creation of the framework?	Bidder has to suggest for the creation of framework based on their experience.

29	28	4.8	Suggestions for enabling regulatory framework within NPCL	Please elaborate on this requirement for the final report	Final report should consist the objective of the study, scope of work, approach for implementation, challenges faced and solution adopted, changes if any done during project execution stage, key features and functionalities of implemented solution on block chain technology, Implemented solution scalability and flexibility to adopt any regulatory guidelines, benefits to each player of eco system, International best practices and references where block chain based P2P energy trading is implemented by respective Regulators along with snippets of relevant regulations, way forward suggestions and path for rolling out the P2P Energy Trading using Block chain implementation in Distribution Utility at commercial level, network level challenges, if any etc.
30	29	8.2	Vendor has to propose the system architecture as per on premise and cloud based implementation	In case the vendor decides to opt for cloud based implementation, is there any preferences for a particular CSP from your end or are there any set criteria that such CSP needs to fulfil?	No preferences
31		6.1/6.2	Variation of scope	Since no limit of scope has been mentioned clearly, please mention the amount of change beyond which it will be treated as a CR (change request)	As per deliverable with respect to Scope of work mentioned in RFP Section VI

32	31	Section VI - Point 12	AMC	Can the requisite details corresponding to the AMC be made more specific and elaborate from your end?	AMC shall be applicable post-successful completion of warranty period, For which bidder has to give commercial quote separately keeping the technical scope same as during the warranty period.
33	30	Section VI - Point 12	Penalty clause	What would be the warranty period?	Refer Section VII - General Condition of Contract, Point no - 4. Warranty and AMC
34	39	Section 5.1		How long is the expected warranty period?	Refer Section VII - General Condition of Contract, Point no - 4. Warranty and AMC
35	19	Section 33	Award Criteria	It suggests that the Technical to Financial weightage ratio would be 60:40 Query - As block chain is an innovative technology, more focus should be given on the quality of the product instead of the price offered for the product for better results. So we suggest to reduce the financial weightage to 20, so the Technical to Financial weightage would be 80:20	To be treated as per RFP
36	6	Calendar of Events	Bid Submission schedule	Request you to kindly extend the date for submission of Techno-Commercial offer by the bidder to 11th March, 2022	To be treated as per RFP
37	39	Section VII		We acknowledge that non-successful execution of the deliverables constitutes a breach of the contract, could you provide a list of any other criteria, if any that would	To be treated as per RFP

				invoke PBG as per NCPL discretion.	
38			General	Kindly clarify whether NPCL will be ready to launch the solution commercially across all users on successful completion of the pilot	The intent is to implement a solution, which should be capable for commercial purpose. Decision shall be taken by NPCL at appropriate time based on many factors including conducive environment, meeting the regulatory requirements etc.
39			General	Kindly suggest whether NPCL is looking for a white labelled solution	No preferences
40			General	Requesting for a pre bid meeting.	Please refer to RfP Section - I, Point - 5 - Calendar of Events
41			General	We are interested in demonstrating our technical solution offering on 8th-11th. The RFP mentions that this session will be open for the shortlisted bidders - Could you clarify how we become one of the shortlisted bidders? Is an expression of interest required prior to the submission date (18th Feb) and technical presentation on 8-11th Feb?	Please refer to the addendum.