Responses against pre-bid Questions Tender No. No.PITC-G/224(38)/12-2019

Development and Support of UDIL (Universal Data Integration Layer) for Smart Grid Integration Lab

S/No	RFP Section	RFP Clause	Question	Response
1	3.3.2 sub point 4	Software to support smart grid integration lab operations testing	The clause need more clarification as to what does **"Support smart grid integration lab operations testing"** mean?	The support refers to continuing development support during warranty period as per requirement.
2	3.3.2 – First bullet point	Facilitation in trouble shooting problems while testing multiple MDCs.	As per our understanding the testing is to be carried out in lab environment. Can we highlight the kind of problems which may occur and may need troubleshooting	The problems referred here are the gaps of Functional Specifications, which were either not implemented or implemented with different logic or inconsistencies identified through QA.
3	3.3.2	• Read Requests – Authorization Protocol • Authorization Service	Do we already have an authorization service deployed? If so, please provide authorization mechanism and related specifications.	No authorization service is already placed at PITC or for this project.
4	3.3.2	Testing software maintenance support must be provided to handle tests to be added in future.	The application can be built on lines as to allow addition of new tests in future without a need to modify source code. This however, will increase the scope of work while development. Does PITC want a set of hard coded tests or configurable test framework?	PITC is of the view not to build hard coded tests but to have developed a test framework to facilitate future test definitions.
5	3.6	Project Timeline	RFP has specifically asked to complete the work in 3 months with a team of 6-8 people. Does that mean that we have to scope our proposal to fit these constraints?	Yes, the project is to be completed in all respects and delivered within 3 months; however, workforce deployed by the vendor may vary to fit the time frame.
6	7.3.1	Minimum two (02) years' experience in software development along with list of clients to whom the bidder has done or been doing business in last 2 years along	In case of JV/Consortium, is it enough to have one company with a background for more than two years or do we need	Yes, one company with a background for more than two years.

		with their Names, Addresses and Phone Numbers.	both/all the companies in JV to have an experience exceeding two years?	
7	5.2.A	Terms of Payment	Will the 80% of the payment as mentioned in project Phase A be made after completion of Phase-A or can this be broken down into partial payments against different project millstones?	The payment cannot be broken down into partial payments, the 80% payment will be done upon signoff from the user i.e. PITC upon complete testing, receiving of source code, FS and all related documentation as mentioned in RFP.
8	5.2.B	Terms of Payment One-year support and maintenance after deployment of all components for existing Grid Level AMI solution and UDIL/DISCOs AMI solution to be paid quarterly.	What will be the scope of support and maintenance?	The maintenance support comprise of development support during warranty period and refer to any inconsistency left within software and/or skipped in QA or as the need may arise in future. The scope of this testing suite is limited to test UDIL compliance of AMR meters to be installed in consumer level AMI and grid level AMI projects.
9	Clause 3.1 & 3.2 Page 8	**3.1** Grid Level AMI Solution (Load Data Improvement Project) **3.2** Consumer Level AMI Solution (C-3 or RFP 135 for MEPCO & PESCO)	Is this UDIL testing suite will work with Grid and Consumer level AMI solution? Is PITC need some kind of work with their existing AMI solution? Please elaborate.	The scope of this testing suite is limited to test UDIL compliance of AMR meters to be installed in consumer level AMI and grid level AMI projects.
10	Clause 3.3.2, Page 8	UDIL testing suit must be capable to test the connectivity between meter communication driver software and MDM (metering data management) software and testing of vendor's meters for UDIL compliance.	Please elaborate how UDIL Testing suite determines connectivity between meter communication driver software and MDM? How can UDIL testing suit test that meters are UDIL compliance?	The meter connects with MDC (meter communication software) for two-way communication. The establishment of communication is acknowledged by the MDCs and can be checked by UDIL testing suite through exposed views in the MDC database by vendor. Each vendor upon submission of request for UDIL compliance certificate will share the names of those tables/views and access credentials. The scope of UDIL testing suite will be strictly in line with UDIL

				specification document amended till date and published on PITC website.
11	Clause 3.3.2, Page 8 & 9	Testing software must be able to perform following tests with data structures proposed in UDIL.	Is PITC want to test database schema and its value too if yes, then please elaborate how UDIL testing suite can validate data value? What are the names of the Data Bases that are being used by different meter manufactures?	Yes, the values will be tested through eyeball testing. Each vendor upon submission of request for UDIL compliance certificate will share the names of those tables/views and access credentials.
12	Clause 7.3.2 Page 25	Type of Company Public Limited = 10 marks Pvt. Limited = 5 marks Partnership = 3 marks Proprietary = 2 marks	Why public limited companies gives highest 10 numbers?	Limited company registered with SECP has always more weightage.
13	Clause 7.3.2 Page 25	**Bid's Technical Evaluation.** Past experience and performance on comparable projects, references, experience and capabilities of Bidder; Similar software development = 10 points each project	Any AMI/AMR projects can consider as similar projects?	Any AMI/AMR software project experience will be considered as valid experience towards clause 7.3.2.
14	Clause 7.3.2 Page 25	Proposer's project personnel: level of technical qualifications and experience • Submit list and CVs of 6-8 people who will work at PITC dedicatedly till the completion of project. • Provide certificate of availability and CVs in prescribed format. • Relevant certifications will be treated as an added advantage. Project Manager with appropriate relevant experience = 9 Points Team Member with relevant experience = 2 points	i. Is PITC want that UDIL Testing suite should developed successful bidder in PITC premise? ii. What is the mean by certificate of availability? iii. Please share the prescribed format for CV?	i. The UDIL testing suite will be developed as described in RFP. ii. The resources presented in the bid by the vendor will sign certificate that they will be available for this project during the period of the project. iii. CV format is mentioned in RFP.

15	Clause 7.3.3 Page 26	**Bid's Financial Evaluation** The bid technically responsive (securing 70%> score) and financially cost effective not necessarily lowest will be declared successful.	This clause is contradictory with clause 4.9.2 Bidding Procedure and sub clause viii. The bid found to be the lowest evaluated & responsive shall be accepted. In case, two bidders submit equal financial bid, the bidder with more experience shall be awarded contract.	The bids scoring marks >= 70% will be declared technically qualified bids and project will be awarded to the financially lowest bidder.
16			Will we get real-time feeds from multiple MDCs or some pre recorded data for development purposes?	Yes
17			Will the tests be done manually or will scheduled test also be required?	Both options are required in the UDIL testing suite.