



Pre-Bid Clarifications

Sr No.	Section No	Page No	Clause No.	Clause Description	Bidder's QUERY	PSTCL Reply
1	Qualifying Requirements	Page 9 of 149	3.1.3	<p>The new bidders, who are offering the RTUs to the PSTCL/SLDC for the first time and those bidders who had earlier participated during the Tender Enquiry No. SLDC/122/2015 but are offering different RTUs from previous ones shall have to come for detailed testing of their RTU at PSTCL/SLDC during the Technical Evaluation process of the Tender to show compliance of their offered RTU with respect of the present TE specifications. For which, the bidder will be called for detailed testing by PSTCL/ SLDC after opening of the tender as soon as possible.</p>	<p>We understand Tender Enquiry No. SLDC/122/2015 should be read as TENDER ENQUIRY NO.: SLDC/143/2020 in qualifying criteria in line with clause 4.2.4 page 13 of 149</p>	<p>Confirmed. However, for clarification, the bidder may refer to Clause No. 4.2.4 at page no. 13.</p>
2	Scope of Work:	Page 19 of 149	5.4	<p>5.4 Further, this office has installed sealable Energy Meters (very similar to MFMs) at many I/O locations. If these meters are found suitable at the time of survey/ detailed design & engineering then instead of Transducers/ MFTs for these I/O locations, these Energy Meters shall be interfaced at the option of Purchaser. Future addition of such Energy meters by Purchaser, if any, shall also be integrated with the RTU as per the Purchaser's requirements.</p>	<p>We understand that Energy integration with modbus meters will be on protocol only. Kindly confirm.</p>	Confirmed.





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3	Scope of Work:	Page 20 of 149	5.11	5.11 Training: Bidder shall arrange to provide training to Purchaser's personals and/ or nominees and associate them from the very beginning with the Project execution till the end so as to build the capacity of the Purchaser to take over & handle the project independently.	Request PSTCL to confirm the number of days for which training has to be provided under this contract. Also request PSTCL to confirm that location of the training will be at SLDC, Ablowal.	Please refer to PSTCL specification Clause No. 5.11 (Training), which is clear in itself.
4	Vendor Responsibilities and Obligations	Page 23 of 149	6.18	Integration of RTU with multiple Master if required in future during warranty/extended warranty period.	We understand that the scope doesn't include the RTU integration with upgraded SCADA under ULDC Phase-II and is only limited to multiple master support. Kindly confirm.	The specification is amply clear. The integration of RTU with upgraded SCADA under ULDC Phase-III is also in scope of bidder.
5	9.0 General Terms & Conditions	Page 24 of 149	9.1.2 (iv)	Suppliers covered under MSMED Act, 2006.	We understand that medium enterprise have udyog aadhaar memorandum registration are also exempted from EMD. Kindly confirm.	Confirmed.
6	9.0 General Terms & Conditions	Page 30 of 149	9.5	ii) Ordinarily the Earnest money received against tenders shall be converted into Security Deposit. If the amount of earnest money received against tenders is more than the amount of Security Deposit required against the Purchase Order/contract, the balance shall be refunded within one month of the finalization of the tender enquiry and in case of shortfall,	We understand that BG format for additional security amount will be shared with the successful bidder by PSTCL. Kindly confirm.	Confirmed.

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				if any, the contractor/Supplier shall be required to deposit the additional amount online or in the shape of BG to be kept valid upto end of extended warranty period.		
7	9.0 General Terms & Conditions	Page 33 of 149	9.8 Terms of Payment	a. For delay in payments made by PSTCL beyond the stipulated period as per terms of payments clause i.e. 45 days, compensation shall be credited @ 0.5% of the payment so delayed per month or part thereof to be adjusted against Liquidated Damages levied or to be levied subject to a maximum of such damages leviable due to delay in deliveries under the contract.	We understand that payment will be adjustment only against the Liquidated Damages levied or to be levied subject to a maximum of such damages leviable and will not be paid extra to contractor is case no LD is levied on contractor.	The specification requirement is amply clear. The bidder shall quote as per the requirement of the specification.
8	11. Reverse Auction	Page 52 of 149	11	11.1 In case the no. of bidders are more than 3, the H1 (Highest) bidder shall not be eligible to participate in further process of the tender and his tender shall be rejected	We understand that reverse auction will be carried out by PSTCL irrespective of price quoted by lowest 3 bidders. Kindly confirm.	Confirmed. The specification requirement is amply clear. The bidder shall quote as per the requirement of the specification.
9	Annexure-I General	Page 56 of 149	-	This document describes the specification for the Remote Terminal Unit (RTU). Contractor shall supply RTU, associated equipment such as MFTs, relays, weather sensors, modems, cabling etc. and required number of panels for housing of all the hardware envisaged for the RTU and system interface cubicle (SIC)	We understand that no SIC is required in any substation as per the tender BoQ and price schedule. Kindly confirm.	Confirmed. The bidder shall quote as per the requirement of PSTCL specification Clause no. 1.24 (RTU Panels)




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10	Annexure-I General	Page 58 of 149	1.2 RTU Functions	(m) Redundancy in CPU, Power supply and Communication with RCC.	We understand that communication redundancy is limited to communication ports used for communicating with SLDC SCADA on IEC-104/IEC-101 protocol only. Kindly confirm.	The bidder shall offer RTU with communication port redundancy in CPU as per PSTCL specification.
11	Annexure-I General	Page 58 of 149	(q) Cyber Security	vi. RTU shall comply to IEC62351-3 and IEC62351-5 requirement as per MoP order 12/34/2020-T7R dt. June 8, 2021. The same shall be certified at CPRI as mentioned in the referred notification and certificate issued by CPRI shall be attached with the bid.	We understand that it is mandatory to submit the CPRI certificate for the quoted RTU for cyber security as per MoP order along with the Bid. Kindly confirm.	Confirmed. The bidder shall quote as per the requirement of the specification.
12	Annexure-I General	Page 61 of 149	1.4(b) Cellular (GPRS/3G/4G) Modem and Gateway:	The provision of M2M SIM and payment of data charges for GPRS and Internet/MPLS connectivity (as required) at master stations shall be in the scope of vendor up to the end of extended warranty period.	It is very difficult to provide the SIM and internet connectivity at control centre for 13-14 years. We request PSTCL to kindly keep the same in their scope after commissioning of RTU and gateway at control centre.	The specification requirement is amply clear. The bidder shall quote as per the requirement of the specification.
13	Annexure-I General	Page 61 of 149	1.4(b) Cellular (GPRS/3G/4G) Modem and Gateway:	The contractor shall also provide and integrate the GRPS Gateway at Master Stations (Main & backup). The Gateway shall be equipped with requisite number of RS 232 Ports for IEC-101 and Ethernet Ports (minimum six) for IEC-104 communication. The Gateway shall have at-least 50%	We understand bidder needs to provide 2 nos. gateway at Main SLDC SCADA and back-up SLDC SCADA. Kindly confirm. We request PSTCL to confirm the minimum number of IEC-101 ports to be provided in each gateway.	The specification requirement is amply clear. The bidder shall quote as per the requirement of the PSTCL specification Clause No. 5.10 (Scope of Work). PSTCL SLDC Main is at Ablawal, Patiala and

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14	Annexure-I General	Page 63 of 149	1.10 Communi cation Protocol between RTU & IEDs	The RTU shall use the IEC 61850 protocol for communication with IEDs over Sub-station LAN. The RTU shall act as a Client and collect data from the IEDs.	We understand that RTU should support IEC 61850 protocol and any ethernet switch required for communication with IEDs over Sub-station LAN is in scope of PSTCL. Kindly confirm.	Confirmed. The bidder shall quote as per the requirement of the specification. Backup at SLDC Complex, BBMB, Industrial Area Ph-I, Chandigarh.
15	Annexure-III	Page 108 of 149	Annexure -III SPECIFI CATION FOR TRANSD UCER	ACTIVE POWER TRANSDUCER REACTIVE POWER TRANSDUCER VOLTAGE TRANSDUCER FREQUENCY TRANSDUCER	We understand MFM needs to be provided as per tender BoQ and no discrete transducers needs to be supplied by the bidder. Kindly confirm.	Confirmed. The bidder shall quote as per the requirement of the PSTCL specification.

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