

Pre-Bid Queries for RECPDCL/TECH/SCADA-CED/e-Tender/2017-18/5444 Dated: 22.12.2017
Pre-bid Meeting on 27.12.2017

S. No.	Query received on	Vendor	Page No. / Clause No.	Technical Specifications as per RFP	Queries / Modifications / Changes Suggested	Remarks	Remarks Type
1	27-Dec-17	NIKUM ENERGY CONTROL INDIA	Point No 4 in QR		Is the bidder qualified if he has supplied 33 nos. of RTU in similar project along with data reporting & integration	Bidder should meet criteria as defined in QR section in any one of three conditions	Clarifications
2	27-Dec-17		Point No. 5 in QR		It has been asked to provide 5 nos. of self-attested resumes. Request you for the waiver.	No change, bidder to submit resume as per requirement with clear and relevant details of experience as per prescribed format (Form-VI)	Clarifications
3	27-Dec-17	BIPS SYSTEMS	Sl no. 4 page 136	The Bidder must have successfully executed & implemented SCADA/DMS projects in an Indian/Global Power Distribution Utility in the last 7 years ending last day of month previous to the one in which bids are invited, covering design, engineering, supply, installation, testing, commissioning and Implementation of RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with following functionalities either in a single or in combinations:	The Bidder must have successfully executed & implemented SCADA/DMS projects in any Indian Utility in the last 7 years ending last day of month previous to the one in which bids are invited, covering design, engineering, supply, installation, testing, commissioning and Implementation of RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with following functionalities either in a single or in combinations:	The Bidder must have successfully executed & implemented SCADA/DMS projects in any Indian/Global Power Distribution/Generation/Transmission Utility in the last 7 years ending last day of month previous to the one in which bids are invited, covering design, engineering, supply, installation, testing, commissioning and Implementation of RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with following functionalities either in a single or in combinations: i. SCADA Software supporting alarm, tagging, trending, SOE, real time data acquisition & calculations. ii. DMS software supporting at least two functions out of load flow, loss minimization via feeder reconfiguration, FMSR (Fault Management and System Restoration). iii. Software functional redundancy for SCADA and DMS functions.	Amendment
4	27-Dec-17	BIPS SYSTEMS	General Query	General Query	As per Government of India order dated 29.07.2003, the exemption from submission of EMD has been given, to NSIC registered SSIs, however, purchase & 15 % price preference has not been given, which may also be granted as per extant Government Rules.	No Change	Clarifications
5	27-Dec-17	BIPS SYSTEMS	General Query	General Query	It is also requested to kindly delete the Reverse Auction provision in the E Tender to achieve successful & faithful execution of project, as in SCADA projects, in it has been observed that cost of removing unforeseen teething troubles is substantial.	No change	Clarifications
6	27-Dec-17	Dongfang Electronics Pvt Ltd	SECTION-I TENDER INFORMATION, Page No. 1	Last date of submission of Tender 08.01.2018 at 1500 Hours	We request RECPDCL to kindly extend the bid submission by 1 week after the clarification reply are released	Refer to Notifications on website	Clarifications
7	27-Dec-17	Dongfang Electronics Pvt Ltd	Detailed Scope of Work, 2.2. Data Acquisition, Page No. 21	The proposed DTMU system will meet following requirements and shall be integrated with SCADA system on real time basis. DTMU field unit will communicate on IEC 104 protocol to DTMU control centre as well as master control centre of SCADA. The field unit will report to only one control centre at a time. In addition to this, DTMU bidder has to provision to integrate DTMU system with SCADA system over SOAP/Web service based protocol.	M2M Gateway as per figure 2 is in scope of DTMU Vendor, Kindly confirm.	Yes, however, SCADA bidder will extend their full support for integration of same During the project engagement period including FMS period (if required).	Clarifications
8	27-Dec-17	Dongfang Electronics Pvt Ltd	Detailed Scope of Work, 2.3. Polling method, Page No. 22	The TCP/IP Communication for RTU/DTMU on public network shall be encrypted over SSL Security / VPN & the equipment should take control command from designated Master IP address only and no other IP. The RTU, DTMU all TCP/IP devices that are on Public Network shall form a private VPN network with the SCADA Front End, through which encrypted data gets exchanged.	For DTMU, communication is in scope of DTMU Vendor and SSL Security/VPN has been ensured by DTMU Vendor, not the SCADA Vendor. Kindly confirm.	DTMU Connectivity through TCP/IP Communication on public network (encrypted over SSL Security / VPN) will be in the scope of DTMU vendor. However, SCADA bidder will extend their full support for integration of DTMU during the project engagement period including FMS period (if required).	Clarifications
9	27-Dec-17	Dongfang Electronics Pvt Ltd	9. DC POWER SUPPLY SYSTEM, 9.2. Operational/Component Requirements, Page No. 84	Figure 3 (conceptual Configuration of DC Power Supply System -DCPS) (N+2 Configuration)	We request RECPDCL to kindly change the configuration to N+1 as followed in other similar projects.	Accepted : Kindly read "N+2" as "N+1" in Figure 3 (conceptual Configuration of DC Power Supply System -DCPS)	Amendment

10	27-Dec-17	Dongfang Electronics Pvt Ltd	11. IEC 61850 compliance Ethernet switch, Page No. 87	48 port RJ45 connector switch or 12 port Rx/Tx + 4 port RJ45 (The final configuration shall be depending on the physical port connectivity of Relays.). Bidder has to assess the final QTY of switches based on the SLD.	1. As per Figure 2 (SCADA- Conceptual configuration) 2 Nos of Ethernet Switches are shown and as per price bid 12 nos (2 nos each at each S/s) are considered. Request RECPDCL to confirm the actual number of IEC-61850 switches to be supplied at each sub-station 2. In 5.3, page 79, there is no mention of number of TCP/IP Ethernet ports for IEC-61850 required in RTU. Request you to kindly confirm the number of TCP/IP ethernet ports required in RTU for IEC-61850. 2. 48 Nos RJ 45 connector switch is highly oversized as number of numerical relays purchased are only 91 for complete 6 nos S/s which is unnecessary increasing the cost. We request RECPDCL to kindly change the same to 24 Nos RJ 45 Connector.	Bidder can propose 48 port RJ45 connector Ethernet switch (otherwise 2 No.s of 24 port RJ45 connector switch) or 12 port Rx/Tx + 4 port RJ45 (The final configuration shall be depending on the physical port connectivity of Relays.). Bidder has to assess the final QTY of switches based on the SLD.	Amendment
11	27-Dec-17	Dongfang Electronics Pvt Ltd	29. General scope of work for SCADA System, Page No. 111	Enterprise-wide license for the software components is a mandatory requisite. Proposed SCADA Software and associated equipment's should be capable of handling at-least 50000 connections, without any additional infrastructure and cost implication to RECPDCL and CED.	We request RECPDCL to confirm whether software has to be capable for handling 50000 RTU/DTMU or 5000 RTU/DTMU. As per Sr No 30, Page 112 it is mentioned Software Solution: Can handle 5000 Nos. of remote sites.	Enterprise-wide license for the software components is a mandatory requisite. Proposed SCADA Software and associated equipment's should be capable of handling at-least 50000 data points/ Tags, without any additional infrastructure and cost implication to RECPDCL and CED.	Amendment
12	27-Dec-17	Dongfang Electronics Pvt Ltd	32. PAYMENT CRITERIA, Page No. 122	Upon receipt of unconditional acceptance of LOA, and unconditional & irrevocable Bank Guarantees with a validity period upto 5.5 years from the date of LOA date in favor of RECPDCL amounting to 110% of total advance amount	We request RECPDCL to reduce the ABG duration from 5.5 years to 1 year as we are already submitting PBG for 10% of the contract value for 5.5 years.	Upon receipt of unconditional acceptance of LOA, and unconditional & irrevocable Bank Guarantees with a validity period upto 1 years from the date of LOA date in favor of RECPDCL amounting to 110% of total advance amount and unconditional & irrevocable Performance Bank Guarantee (PBG) as per Annexure-A for ten percent (10%) of the total Contract price towards Contract Performance with a validity till completion of 5 years 6 months' period from the date of award of LoA. Interest bearing 10% advance of Contract Price which will be prorata adjusted in each installment (from S. no.2 to 6) (The annual interest rate shall be calculated based on SBI MCLR +2% as applicable from time to time.)	Amendment
13	27-Dec-17	Dongfang Electronics Pvt Ltd	Pre-Qualifying Criteria for OEM , Page No. 137	Pre-Qualifying Criteria for OEM of SCADA Software provider)	Request RECPDCL to kindly confirm that for OEM only SCADA Software OEM documents only have to be submitted.	QR to met by SCADA software only but Authorization should be submitted for mentioned equipments for 05 yrs back to back support from OEM in prescribed format (Form- V)	Clarifications
14	27-Dec-17	Dongfang Electronics Pvt Ltd	3. COMMERCIAL TERMS & CONDITIONS A. Taxes and duties, Page No. 144	However, if any rates of Tax are increased, which was or will be assessed on the bidder in connection with performance of the Contract, no change shall be made in the Contract Price and the Employer shall not reimburse any additional amount payable thereto.	In case GST rates are increased in future by the Government, request RECPDCL to kindly change the contract price accordingly as rates are determined by the Government and are beyond bidders scope.	No change	Clarifications
15	27-Dec-17	Dongfang Electronics Pvt Ltd	4.6. Video Projection System, Page No. 61	4.6.1. VPS Module	1. Request RECPDCL to kindly confirm the size and configuration of the VPS module to be supplied under this project. 2. Also since VPS is optional item request RECPDCL to kindly confirm VPS price will be taken into financial evaluation and same is also included in the estimated cost of 6.14 Cr.	1- Kindly Refer RFP Clause 4.10.6., Page - 66 2- VPS price will be taken into financial evaluation and the same has also included in estimated cost.	Clarifications
16	27-Dec-17	Synergy System & Solutions	Section – VI ELIGIBILITY CRITERIA / Pre-qualifying Criteria for Bidder / S. No 1./Page 138	The bidder shall be a private/public company registered under company ACT 1956 or 2013 including any amendment thereto.	May please be amended to include "Proprietor Firms".We are glad to inform that we are working in the field of SCADA solutions for 20+ years and are Indian OEMs of RTU, SCADA products we have been direct supplier to many Central / State and Public Sector Undertaking including Central railways, PGCIL, UPPCL, UJVNL, MECON, ECIL and more.	Refer to Amendment 1	Amendment
17	27-Dec-17	Synergy System & Solutions	Section – VI ELIGIBILITY CRITERIA / Pre-qualifying Criteria for Bidder / S. No 4./Page 138	The Bidder must have successfully executed & implemented SCADA/DMS projects in an Indian/Global Power Distribution Utility in the last 7 years ending last day of month previous to the one in which bids are invited, covering design, engineering, supply, installation, testing, commissioning and Implementation of RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with following functionalities either in a single or in combinations:	May please be amended to include Collaborators Global Project references.	Bidder's OEM should have executed the SCADA DMS project in the same order and order should be in favour of lead bidder	Clarifications
18	27-Dec-17	Synergy System & Solutions	Section – VII TENDER EVALUATION METHODOLOGY/ Table 11 Technical Marks Evaluation /S.No. 4- Experience /Page 141	The bidder must have successfully....for SCADA and DMS Functions	May please be amended to include Collaborators Global Project references.	Bidder's OEM should have executed the SCADA DMS project in the same order and order should be in favour of lead bidder	Clarifications

19	27-Dec-17	Synergy System & Solutions	Section – VII TENDER EVALUATION METHODOLOGY/ Table 11 Technical Marks Evaluation /S.No. 5- Experience in Smart Grid Implementation/Page 141	To establish the experience of Smart Grid...during last 07 years.	May please be amended to include Collaborators Global Project references.	Bidder's OEM should have executed the SCADA DMS project in the same order and order should be in favour of lead bidder	Clarifications
20	27-Dec-17	Synergy System & Solutions	Section – VII TENDER EVALUATION METHODOLOGY/ Table 11 Technical Marks Evaluation /S.No. 6- Experience in Indian Power Distribution Utility/Page 142	Bidder must have successfully executed and implemented SCADA/DMS projects in an Indian Power Distribution utility....which bids are invited..	May please be amended to include Collaborators Global Project references.	Bidder's OEM should have executed the SCADA DMS project in the same order and order should be in favour of lead bidder	Clarifications
21	27-Dec-17	Synergy System & Solutions	Section – VII TENDER EVALUATION METHODOLOGY/ Table 11 Technical Marks Evaluation /S.No. 7-Cross Application Integration capability/Page 142	Integration of SCADA with different IT-OT systems	May please be amended to include Collaborators Global Project references.	Bidder's OEM should have executed the SCADA DMS project in the same order and order should be in favour of lead bidder	Clarifications
22	27-Dec-17	Synergy System & Solutions	General Query	General Query	We request you to extend submission date by Two weeks to enable us for the tender preparation.	No change	Clarifications
23	27-Dec-17	Vmware	Page 138; Point A.3	The solution shall be horizontally and vertically scalable and also have virtualization capability.	request you to please mention that the Infrastructure should provide zero downtime, zero data loss and continuous availability for the applications running in virtual machines in the event of physical host failure. Uptime of 99.999% should be provisioned.	Tender already covers the mentioned performance parameters with required SLA.	Clarifications
24	27-Dec-17	Vmware	Page 170; Point A.3	The solution shall be horizontally and vertically scalable and also have virtualization capability.	request you to please mention that the Infrastructure should provide zero downtime, zero data loss and continuous availability for the applications running in virtual machines in the event of physical host failure. Uptime of 99.999% should be provisioned.	Tender already covers the mentioned performane parameters with required SLA.	Clarifications
25	27-Dec-17	Vmware	Server specifications section, page 63	8 core processors or more	request you to please mention your total cores requirement (like 80 cores or 100 cores) and let bidders provision the overall cores within 6 – 10 servers	No Change	Clarifications
26	27-Dec-17	BHEL	S. No. 4 of 1. Pre-Qualifying Criteria for Bidder SECTION-VI ELIGIBILITY CRITERIA (Page 136 of 182):	The Bidder must have successfully executed & implemented SCADA/DMS projects in an Indian/Global Power Distribution Utility in the last 7 years ending last day of month previous to the one in which bids are invited, covering design, engineering, supply, installation, testing, commissioning and Implementation of RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with following functionalities either in a single or in combinations: i. SCADA Software supporting alarm, tagging, trending, SOE, real time data acquisition & calculations. ii. DMS software supporting at least two functions out of load flow, loss minimization via feeder reconfiguration, FMSR (Fault Management and System Restoration). iii. Software functional redundancy for SCADA and DMS functions. and meeting either of the following. 1. 01 No. of SCADA/DMS (11kV or above) project of minimum value Rs. 4.91 Crores or with minimum 21 Nos. RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with required hardware, software and other associated accessories. OR 2. 02 Nos. of SCADA/DMS(11kV or above) projects each with minimum value Rs. 3.10 Crores or with minimum 13 Nos. RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with required hardware, software and other associated accessories. OR 3. 03 Nos. of SCADA/DMS(11kV or above) projects each with minimum value of Rs. 2.5 Crores or with minimum 11 Nos. RTUs/Data Concentrator (DC) / Bay controller Unit (BCU) with required hardware, software and other associated accessories. ----- Individual Client's LOA / PO / WO along with completion certificate issued by client/complete payment reflecting completion of work/ return of PBG after completion of work during last 7 years ending last day of month previous to the one in which bids are invited.	The Bidder must have successfully executed & implemented SCADA/DMS projects in an Indian/Global Power Generation/ Transmission/ Distribution Utility in the last 7 years ending last day of month previous to the one in which bids are invited, covering design, engineering, supply, Installation, testing, commissioning and Implementation of RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with following functionalities either in a single or in combinations: i. SCADA Software supporting alarm, tagging, trending, SOE, real time data acquisition & calculations. ii. This clause may kindly be deleted iii. Software functional redundancy for SCADA and DMS functions. and meeting either of the following. 1. 01 No. of SCADA/DMS (11kV or above) project of minimum value Rs. 4.91 Crores or with minimum 20 Nos. RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with required hardware, software and other associated accessories. OR 2. 02 Nos. of SCADA/DMS(11kV or above) projects each with minimum value Rs. 3.10 Crores or with minimum 13 Nos. RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with required hardware, software and other associated accessories. OR 3. 03 Nos. of SCADA/DMS(11kV or above) projects each with minimum value of Rs. 2.5 Crores or with minimum 11 Nos. RTUs/Data Concentrator (DC) / Bay controller Unit (BCU) with required hardware, software and other associated accessories. ----- Individual Client's LOA / PO / WO/ completion certificate issued by client/complete payment reflecting completion of work/ return of PBG after completion of work during last 7 years ending last day of month previous to the one in which bids are invited.	The Bidder must have successfully executed & implemented SCADA/DMS projects in any Indian/Global Power Distribution/Generation/Transmission Utility in the last 7 years ending last day of month previous to the one in which bids are invited, covering design, engineering, supply, installation, testing, commissioning and Implementation of RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with following functionalities either in a single or in combinations: i. SCADA Software supporting alarm, tagging, trending, SOE, real time data acquisition & calculations. ii. DMS software supporting at least two functions out of load flow, loss minimization via feeder reconfiguration, FMSR (Fault Management and System Restoration). iii. Software functional redundancy for SCADA and DMS functions. and meeting either of the following: 1. 01 No. of SCADA/DMS (11kV or above) project of minimum value Rs. 4.91 Crores or with minimum 21 Nos. RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with required hardware, software and other associated accessories. OR 2. 02 Nos. of SCADA/DMS(11kV or above) projects each with minimum value Rs. 3.10 Crores or with minimum 13 Nos. RTUs/Data Concentrator (DC)/ Bay controller Unit (BCU) with required hardware, software and other associated accessories. OR 3. 03 Nos. of SCADA/DMS(11kV or above) projects each with minimum value of Rs. 2.5 Crores or with minimum 11 Nos. RTUs/Data Concentrator (DC) / Bay controller Unit (BCU) with required hardware, software and other associated accessories.	Amendment