

Prebid queries Response - Two Year Rate Contract for SITC of RTU & Accessories for TP Odisha DISCOMs.			
Tender no. - TPCODL/CCG/2024-25/1000002369			
Sl. No.	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	CCG Response
1	1.3 Calendar of Events, Page 6 of 31 Due date and time of receipt of Bids- 30.04.2025, 15:00 Hours	We request TPCODL to kindly provide 2 weeks from the pre-bid queries reply for the bid submission to all the bidders and accordingly extend the bid submission date.	Please refer revised tender calendar for final bid submission due date.
2	2.0 Pre- Qualification Criteria, Page 6 of 31 2. Manufacturing & In-house Testing Facility The bidder should have their own manufacturing facility to manufacture tendered Current Transformer & Potential Transformer and in-house testing facilities for acceptance tests as per specifications.	We request TP Odisha Discoms to change the clause to the RTUs in-line with the tender requirement.	This is already revised in tender document. Please refer revised clause as mentioned herein: " The Bidder should have the In-house testing facilities for acceptance test as per tender specifications. Self-undertaking to be submitted in this regard. DISCOM reserves the right to inspect the said manufacturing facility as a proof of compliance to this parameter".
3	5.1.2 Second Part: Techno-Commercial Bid, Page 10 of 31 Hard Copy of Technical Bids need not be submitted unless specifically asked for.	We understand that only Original EMD BG needs to be submitted in hard copy. Kindly confirm.	Bid has to be submitted through online portal Ariba as per standard process
4	11 Award Decision, Page 15 of 31 CCG reserves the right to split the order quantity wise/Line item wise among minimum 2 Nos. of Bidders. All bidders are advised to quote their most competitive rates against each line item. However, CCG reserves the right to adjust the splitting as per bidders' participation/qualification/any other unforeseen condition in tender. DISCOM reserves the rights to award contract to one or more bidders so as to meet the delivery requirement or nullify award decision without assigning any reason thereof.	1. We request TP Odisha Discoms to confirm the basis of order split as combined requirement for 3 Discoms and 3 types of RTUs along with associated material is mentioned in the tender specification. 2. Request TP Odisha Discoms to confirm the minimum quantity of RTUs which will be given to the bidder in case the order is split.	Tender terms & conditions shall prevail
5	13.1 Special Conditions of Contract, Page 15 of 31 4. Guarantee Period of equipment shall be 60 months from the date from the date of commissioning of the project as per details mentioned in technical specification.	We understand that Guarantee Period will be applicable RO wise. Kindly confirm.	Tender terms & conditions shall prevail
6	13.3 Payment Terms, Page 16 of 31 80% Payment shall be made within 60 days of submission of error free & certified invoice upon successful delivery of the equipment.	We understand that for registered MSME, payment will be made within 45 days instead of 60 days mentioned. Kindly confirm.	For MSME, payment shall be made as per govt norms only i.e. within 45 days.
7	Specification No: ENG-GEN-4046, Page 18 of 195 3.3.2 RTU f. In some substations space for RTU panel shall be created by dismantling and shifting the existing unused dead panel by the bidder.	We request Discoms to confirm the tentative quantity of locations where panel dismantling and shifting work has to be carried out by the successful bidder.	RC shall be issued on successful bidders. RO shall be issued as per actual requirement. Site location shall be conveyed before execution of project.
8	Specification No: ENG-GEN-4046, Page 19 of 195 3.4 Substation Earthing c. Earthing cable with proper sizing shall be laid from the RTU panel to the earth pits.	Request Discom to confirm the tentative distance between the RTU panel and the earth pits	Site survey has to be made for estimation of tentative length between RTU panel and Earth pit, as per actual requirement.
9	Specification No: ENG-GEN-4046, Page 20 of 195 3.7 Communication Infrastructure c Communication equipment's like Router cum Firewall, POE and its associated power supply and any other accessories required to make through the communication between RTU and IPMPLS cloud shall be installed in the RTU panel.	We understand that installation, testing and commissioning of the third party communication equipment's will be done by supplier of these equipments while required space in the Panel needs to be provided by the successful bidder. Kindly confirm.	Modem shall be considered as an offer. Installation and commissioning shall be in the scope of the Bidder.
10	Specification No: ENG-GEN-4046, Page 20 of 195 3.9 Cyber Security Audit a. Bidder to carry out Cyber Security Audit by Third Party Auditor for 10% of the PSS covered under each Release Order of the TP DISCOMs.	As per price schedule rates of 1 Nos S/s has been asked for each discom. We understand that bidder will be paid accordingly for the unit rate quoted multiplied by actual number of substations in which cyber security audit will be carried out by the bidder.	As per RFP. No deviation is allowed.
11	Specification No: ENG-GEN-4046, Page 20 of 195 3.9 Cyber Security Audit g. Bidder to get re-certification from the Auditors for the Cyber Security Compliance from the third party auditor after fixing the gap within a month. i. Cyber Security Audit shall include all the system installed at Substation (Bidder's OWN and System Installed by P DISCOMs) the following indicative/tentative List of Equipment in the substation is mentioned below—	We understand that in case of re-certification requirement from the auditor due to the issues in the System Installed by TP DISCOMs, re-certification cost will be paid to the bidder as per the unit rate quoted in the price schedule. Kindly confirm.	As per RFP. Re- certification if required shall be borne by respective Bidder.
12	Specification No: ENG-GEN-4046, Page 24 of 195 6.0 Instruction to Bidders 6.1.8 The Principal & their Indian Representative shall be responsible jointly and severally for the design, supply, erection, commissioning & satisfactory performance of the supplied system and specified standard Warranty Maintenance, Activities and support. The Principal shall also vet the design and participate in the engineering, commissioning at site, Acceptance Tests & Training. The Indian Representative shall have full facilities for design, Supply, erection, commissioning, system integration, factory and site acceptance test, satisfactory performance of supplied system and specified post warranty maintenance. Please refer the qualifying requirement for more details.	We understand in case bidder is not OEM of the RTU, RTU OEM needs to be provide the undertaking to the utility for the joint responsibility as per clause 6.1.8 at the time of technical bid submission. Kindly confirm.	As per RFP. No deviation is allowed.
13	Specification No: ENG-GEN-4046, Page 24 of 195 6.0 Instruction to Bidders 6.1.10 In case of agreement dishonored by any party (Bidder/ Principal), during life of the delivered system, Principal shall be responsible for providing the services to the Purchaser. Bidder/ Principal shall submit the address and contact details of the Principal's Purchaser account holder.	We understand in case bidder is not OEM of the RTU, RTU OEM needs to be provide the undertaking to the utility for the joint responsibility as per clause 6.1.10 at the time of technical bid submission. Kindly confirm.	As per RFP. No deviation is allowed.

14	Specification No: ENG-GEN-4046, Page 25 of 195 6.0 Instruction to Bidders 6.1.11 The Bidder (including Principal) shall give an undertaking to provide full range of services (including hardware and software maintenance, modifications, and upgrade support) for the life of the delivered RTU system and other sub-vendor equipment and services.	We understand in case bidder is not OEM of the RTU, RTU OEM needs to be provide the undertaking to the utility for the joint responsibility as per clause 6.1.11 at the time of technical bid submission. Kindly confirm.	As per RFP. No deviation is allowed.
15	Specification No: ENG-GEN-4046, Page 30 of 195 8.0 Bidder's Qualification Requirement, Experience, Evaluation Criteria a. Registered in India under the Companies Act of India, as on Techno-Commercial Bid submission date for supply of the Sub-Station Automation System.	1. We understand that qualification requirement mentioned at 2.0 Pre-Qualification Criteria, Page 6 of 31 supercede the qualification requirement mentioned in Specification No: ENG-GEN-4046 or elsewhere in the tender document. 2. We are a proprietorship firm and having been directly executing the RTU order to all the 4 discoms of TP Odisha. We understand that proprietorship/partnership are also allowed to participate in the tender as have been the case in the earlier tenders of TP Odisha Discoms	Please adhere tender qualifying requirement 2.0 as per main tender requirement. Technical specification shall be applicable for technical qualification of the tender
16	Specification No: ENG-GEN-4046, Page 25 of 195 9.1.1 Delivery schedule for the project SITC of RTU System 4. Procurement of Hardware, Software and Manufacturing of Panel - Within 45 days from Sr. No. 3	We request TP Odisha Discoms to give 75 days from Sr No. 3 for Procurement of Hardware, Software and Manufacturing of Panel as there are lot of bought-out items involved which have long delivery period.	As per RFP. No deviation is allowed.
17	Specification No: ENG-GEN-4046, Page 39 of 195 10.0 Submissions by Bidders CPRI report for the product offered as per the GoI order no. 25-17/6/2018-PG dated 2nd July 2020 and subsequent order No. 12/34/2020-T&R dated 8th June 2021	We under CPRI Cyber Security Test report as per MoP/CEA order for the quoted RTUs needs to be attached at the time of Bid Submission. Kindly confirm.	As per RFP. No deviation is allowed.
18	Specification No: ENG-GEN-4046, Page 45 of 195 12.3.3 Cabling Scope (Supply, Laying, Installation and Termination) f. Appropriate civil work for housing the control cable, communication cables in the switch yard / control room.	We understand that cable trenches are available in all the substation for laying of control cable, communication cables in the switch yard / control room and no cable trenches related civil work is in scope of bidder. Kindly confirm.	As per RFP. No deviation is allowed.
19	Specification No: ENG-GEN-4046, Page 65 of 195 14.9 Database modification during Warranty Period All database modification major or minor (including new bay, new station inclusion and new equipment/device) is in the scope of the bidder, after the system handover and during the warranty period. a. Addition/Deletion of 33/11 kV Bays b. Addition of Auxiliaries Tags c. Addition/ Deletion of System/IEDs/Devices/SCADA enabled equipment/sensors d. Reconfiguration of RTU for new Control Centers	We request the quantify the number of visit bidders needs to consider for each discom for Database modification during Warranty Period as same cannot be kept open ended as the modification works at RTU end entails substantial cost.	As per RFP. No deviation is allowed.
20	Specification No: ENG-GEN-4046, Page 65 of 195 15.0 Training Bidder to consider 20 man-days of the trainer for on-site training to Purchaser's personnel. Bidder to note that the indicated man-days will be utilized in batches, according to availability of the Purchaser's personnel.	As per price schedule 10 man-days of training has been kept in the bidder scope for all the 3 discoms. Request TP odisha discoms to confirm the training man-days to be considered for each of the 3 Discoms.	Please quote as per Price schedule.
21	Specification No: ENG-GEN-4046, Page 70 of 195 17.2 Mandatory Spares Bidder to consider following mandatory spares in the offer.	We understand that mandatory spares needs to be quoted as per the quantity mentioned in the price schedule. Kindly confirm.	As per RFP(Clause no. 17.2 Mandatory Spare) and Mandatory Spare price schedule.
22	Specification No: ENG-GEN-4046, Page 75 of 195 1.0 Remote Terminal Unit (RTU) 1.3 The RTU shall be redundant in hot standby mode with bump less Auto Changeover.	We understand each RTU needs to be provided with redundant CPU and PSU cards. Kindly confirm.	As per RFP. No Deviation allowed.
23	Specification No: ENG-GEN-4046, Page 80 of 195 b. Analog Signal Monitoring • Cable monitoring for open circuit	We request Discoms to confirm the cable monitoring requirement for the DI/DO/AI signals.	As per RFP. No Deviation allowed.
24	Specification No: ENG-GEN-4046, Page 91 of 195 1.44 Multi-Function Meter (MFM) Accuracy Class- 0.25/0.55 CT Type: Ring CT/Conventional	We understand that 0.5S accuracy class conventional MFM is also acceptable to the Discoms. Kindly confirm.	Accuracy class of CT 0.2S is required
25	Specification No: ENG-GEN-4046, Page 97 of 195 1.46.3 Constructional Features ff. Disconnecting type terminal blocks shall be used for CT, PT and for all Digital Outputs.	Request Discoms to confirm the requirement of disconnecting type terminal blocks.	As per RFP. No Deviation allowed.
26	Specification No: ENG-GEN-4046, Page 115 of 195 6. Training: Bidder shall give 20 man-day's training on operation and configuration to TPWOODL. Training will be at the time of Factory acceptance test (FAT) and site acceptance test at site. Modem training course shall cover the following:	1. There is no line item in the price schedule for the 20 man-days on training for Modem to TPWOODL. 2. In case same needs to be provided kindly confirm the training location and number of batches for the Modem training to TPWOODL.	20 Man Days Training is required at site. Price to be quoted as per price schedule.
27	Specification No: ENG-GEN-4046, Page 116 of 195 8. Tests & Test Certificates: Modem shall have been type tested as per latest IEC. The bidder shall submit Type test reports for 4G GPRS modem.	We understand that Modem should have MTCTE certification from TEC as per the MeitY guidelines. Kindly confirm.	As per RFP. No Deviation allowed.
28	Specification No: ENG-GEN-4046, Page 131 of 195 C8 – Manufacturer's Authorization (To be obtained from all OEMs)	We understand that MAF needs to be provided from the RTU OEM in case bidder is not the RTU OEM. Kindly confirm.	As per RFP. No Deviation allowed.
29	Specification No: ENG-GEN-4046, Page 180 of 195 Annexure – 6: Preferred/Approved Make of Equipment/System	We understand that vendors approved by TP Power Odisha Discoms in the ongoing RTU projects are all acceptable. Kindly confirm.	As per RFP. No Deviation allowed.
30	Specification No: ENG-GEN-4046, Page 182 of 195 GTP RTU 9. Ports Requirement and Type Bidder shall propose Industrial grade Serial Server of 8 Ports as an optional item. This server shall communicate with RTU on Modbus TCP/IP protocol or Open Protocol as considered in the RTU.	There is no provision in the price schedule to quote for the Industrial grade Serial Server of 8 Ports as an optional item. Request you to kindly modify the price schedule accordingly.	Not Required.
31	Specification No: ENG-GEN-4046, Page 182 of 195 GTP RTU 9. Ports Requirement and Type Redundant 2x Ethernet Ports (Both for simultaneous Communication over IEC 104, Modbus TCP/IP & IEC61850)	We understand that Redundant 2x/4x Ethernet Ports means 2x/4x ethernet ports in each of redundant CPU to be provided in each RTU.	As per RFP. No Deviation allowed.
32	1. Commercial Capability - The bidder should have Average Annual turnover of at least Rs. 10 Cr. in last three (3) years of FY 21-22, FY 22-23 & FY 23-24. Qualification Requirement of Financial Turnover for MSME registered in the State of Odisha shall be reduced to 20% of the existing criteria	Request for reduction in the Average Annual turnover from Rs. 10 CR to Rs. 7 CR	Tender terms & conditions shall prevail

33	<p>2. Experience - The intending bidder must have successfully undertaken at least the following numbers of similar assignments during the last five years: The bidder should have executed either cumulative 50% of the total tender quantity for similar equipment in last five years; Or; single order of 25% of the total tender quantity for similar equipment in last five years; Or; two orders of 15% each of the total tender quantity for similar equipment in last five years; Last day of previous month prior to date of bid submission shall be counted for purpose of years calculation.</p>	<p>1. Total Tender quantity refers to 144 nos. of RTU with panel OR 229 nos. that includes RTU with panel + loose supply of RTU requirements . Kindly clarify</p> <p>2. Request for consideration of following terms under experience :</p> <p>* Acceptance of cumulative 25 % of the total tender quantity of similar equipment by the bidder * Acceptance of the consideration of supply experience of OEM , if the bidder is a channel partner of the OEM and issued with MAF for this tender .</p>	Tender terms & conditions shall prevail
34	EMD of Rs. 8 Lakhs	Request for consideration of Rs. 5 Lakhs of EMD	Tender terms & conditions shall prevail
Sl. No.	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	CCG Response
1	<p>Managed L2 Ethernet Switch for IED Communication & for SCADA Integration Communication Ports: 16 PORT (Copper ports) 10/100 MBPS Power Supply: Input power supply 18-72 (24/48)VDC Supply Redundant and MCBs with add-on NO contact Mounting Arrangement: Din Rail Mounted Option preferred Preferred Make: Ruggedcom/Hirschman/MOXA/Siemens Software: Software for Local and Remote configuration of Ethernet Switches - Enabling Monitoring, Configuration, Maintenance and backup of configuration files Shall support: 802.1Q VLAN, 802.2p, 802.1d STP, 802.3ad (Port/Link aggregation), 802.1w RSTP, 802.1s MSTP, 802.3ad LACP, IEEE 802.1ab Link Layer Discovery Protocol and also suitable for Ring Configuration, IEEE 1613 compliance, IEC 61850, MODBUS, Ethernet/IP Compliance, IEEE1588 V2, Suitable for PROFINET architecture, Web-based, Telnet & Command Line Interface (CLI) for quickly configuring major managed functions, SNMPv1/v2c/v3 for different levels of network management, SNMP. Higher MTBF minimum 300000 Hours Note: TPCODL has reserved the right to procure Ethernet switch against a different tender and may provide Ethernet Switch to the RTU vendor as a free issue.</p>	COULD WE ADD PHOENIX MAKE ETHERNET SWITCH?. Is it total 4 nos ethernet ports? Need more clarity	Kindly include 16 port switch, please adhere to preferred makes only
2	<p>Pre-Wired RTU Panel I/O Requirement: with 16 DI, 8 DO, 4 AI with Auxiliary relay for each Digital Input & Output Communication Ports per RTU: 2x Redundant Ethernet ports; 2 Nos. Ethernet ports/Processor Module (Both Ethernet Port for simultaneous communication with Control Centre SCADA over IEC60870-5-104 Protocol and IEDs in the Substation over IEC61850 and Modbus TCP Protocol), 4 Nos. Redundant RS 485 ports/Processor Module for communication with serial devices over IEC60870-5-103, MODBUS (Serial) and IEC 60870-5-101 protocol with the RTU. Power supply: Redundant 18-72 VDC (24 V/48 V DC) Power Supply and Diode Oring unit and MCBs with add-on NO contact SPD: 4 Nos. SPD for RS485 Ports & 4 Nos. SPD for Ethernet port Protocols: IEC 60870-5-104, IEC 61850 (ED1, ED2), IEC 60870-5-101, IEC60870-5-103, MODBUS (Serial & TCP/IP), SNMP (V1.0, V2.0, V3.0), RSTP, NTP & SNTP. Software Licenses: RTU OS, Application Software, Configuration tools, Diagnostic tools, Logic building Application-Interlock logic, Calculation Package, SMS Utility Software Application Software Licenses with minimum 5000 Data Points, 25 IEDs - IEC61850 (ED1, ED2), 20 IEDs - Serial Protocol, RTU shall Communicate to Eight Independent Remote SCADA Master on IEC 60870-5-104 Mounting: To be supplied with prewired panel (Rittal/Siemens or equivalent, size : 2315 (H) mm x 800(W) mm x 800(D) mm, both side opening), IP Class : IP54/55. Other Accessories: Interface Modules, Pre-fabricated cables for I/O modules, Auxiliaries Relays for Power Supply monitoring, MCBs for all type of Power Supplies, Networking accessories: All required networking accessories like Patch cords (UTP as per the Ethernet Switch Configuration) of suitable length, Conduits for all non-armored cables, RJ45 connectors, I/O boxes with Quad face plate and connectors etc.</p>	COULD WE GO WITH SOFT REDUNDANCY? Please explain RS- 485 card redundancy architecture.	<p>Requirement of RS485 redundancy requirement will be as below: 1.Processor-1 set(more than one processor could be) will act as a main RTU which will control ethernet based communication(IEC61850+IEC-104 & other Ethernet based protocol) and RS485 communication(Modbus & other serial protocol) with serial devices. 2. If the first processor set(Main RTU) fails, the standby processor set (second RTU) will take the full control of Ethernet and serial based communication. 3. Second RTU will continue to remain as main until and unless there is any fault in the RTU. 4. RTU-1 & 2 could be two different RTU with different Rack & power supply or with common rack & redundant Power supply and other I/O accessories.</p>
3	<p>Pre-Wired RTU Panel Communication Ports per RTU: 4x Redundant Ethernet ports; 4 Nos. Ethernet ports/Processor Module (Both Ethernet Port for simultaneous communication with Control Centre SCADA over IEC60870-5-104 Protocol and IEDs in the Substation over IEC61850 and Modbus TCP Protocol), 4 Nos. Redundant RS 485 ports/Processor Module for communication with serial devices over IEC60870-5-103, MODBUS (Serial) and IEC 60870-5-101 protocol with the RTU. Power supply: Redundant 18-72 VDC (24 V/48 V DC) Power Supply with Diode Oring unit and MCBs with add-on NO contact SPD: 4 Nos. SPD for RS485 Ports & 4 Nos. SPD for Ethernet port Protocols: IEC 60870-5-104, IEC 61850 (ED1, ED2), IEC 60870-5-101, IEC60870-5-103, MODBUS (Serial & TCP/IP), SNMP (V1.0, V2.0, V3.0), RSTP, NTP & SNTP. Software Licenses: RTU OS, Application Software, Configuration tools, Diagnostic tools, Logic building Application-Interlock logic, Calculation Package, SMS Utility Software Application Software Licenses with minimum 10000 Data Points, 25 IEDs - IEC61850 (ED1, ED2), 20 IEDs - Serial Protocol, RTU shall Communicate to Eight Independent Remote SCADA Master on IEC 60870-5-104 Mounting: To be supplied with prewired panel (Rittal/Siemens or equivalent, size : 2315 (H) mm x 800(W) mm x 800(D) mm, both side opening), IP Class : IP54/55. Other Accessories: Interface Modules, Pre-fabricated cables for I/O modules, Auxiliaries Relays for Power Supply monitoring, MCBs for all type of Power Supplies, Networking accessories: All required networking accessories like Patch cords (UTP as per the Ethernet Switch Configuration) of suitable length, Conduits for all non-armored cables, RJ45 connectors, I/O boxes with</p>	WHY REQUIRED 4 NOS OF ETHERNET PORTS?	Please adhere with Specs, we need port redundancy