

Prebid queries Response				
Tender Ref No: TPCODL / CCG / 2023-24 / 100000570				
Tender Name : RC for SITC of FRTU & Accessories for TPSODL & TPNODL.				
Sr. No.	Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM
1	2	3	4	
1	3.0/Scope of Work/Technical Specification for FRTU System for RMUs	The scope of this specification covers all the technical requirement with all accessories, tools and tackles of Design, Engineering, Supply, Insurance, Testing at Manufacturer's works, packing, forwarding, Transportation, Delivery at site, unloading at site/stores, material storage, Installation, Testing & Commissioning of FRTU with all accessories and seamless integration with Purchaser's SCADA Systems, and RTU system of the 33/11 kV Primary Substations, Standard Warranty support as per the detailed specifications. Including all works required for successful integration with all RMUs (I/Os, IEDs, Meters etc.).	1. We shall be offered FRTUs as TATA Power Central Location/Store.The shifting from Central Stoer tp respective site,unloading,share storage at site shall be taken care by Tata Power. 2.Any integration with Control Center shall not be in our scope.	1. This is a SITC Project. The Transporation / storage / insurance / shifting to site / insurance should be taken care by the Bidder. However, TPCODL will provide the storage space as per the site requirements. 2. The configuration at control center end will be done by TPCODL. The necessary P2P testing of the offered FRTU system with TPCODL's SCADA System is in bidder's scope.
2	3.1/Scope of Work/Technical Specification for FRTU System for RMUs	After the placement of the award, the bidder shall carry out site survey of all RMUs, to collect the required information for completion of detailed engineering. Bidder to note that any addition of the quantity required for sites during detailed engineering, will be in the scope of the bidder, with no commercial implication to TPCODL/TPNODL/TPSODL/TPWODL.	1. We shall be offer FRTU Panles as per tendered quantity only. 2. The Tender BoM shall be followed for the supply items. Any additional material shall be supplied on chargeable basis.	Bidder to adhere as per the RFP. No Deviation is accepted.
3	3.2/Engineering/Technical Specification for FRTU System for RMUs	Appropriate IP class shall be considered for all the equipment planned under this project. IP class of the panel enclosure shall be IP55/IP65/IP67 as per the site requirement.	We shall be offering FRTU Panle with IP55.	Bidder to note that, most of the RMUs are installed under the sky, as per the RFP it is proposed to consider panel IP55 with Canopy. However, if any bidder are offering higher IP class of the panel then, preference will be given during technical evaluation.
4	1/13.1/SCC(pdf sheet 13 of33)	Rate Contract shall be valid for a period of Two Years from the placement of the Rate Contract. Release Order (RO) shall be placed as per the requirement of respective TP Odisha DISCOM. Rates shall remain firm throughout the RC period.	We request to modify the Rate Contract for One Year instead of two years.	No Deviation is accepted. Bidder to adhere the scope of the RFP.
5	5/13.1/SCC(pdf sheet 13 of33)	BA shall submit GTP/ Drawing within 07 days from issuance of the Rate Contract. If drawing is not approved by competent authority due to document shortfall or any changes are suggested, vendor has to resubmit new drawing/GTP/documents within 03 days of such intimation. BA shall offer for prototype inspection within 15 days of issuance of approved Drawings/GTP (if applicable). In case BA does not get necessary approvals for issuance of manufacturing clearances /CAT-A within mentioned / mutually agreed timelines, then CCG/TP Odisha Discoms reserve the right to cancel issued rate contract / release order and also reserve the right to forfeit EMD/PBG.	1.Drawing submsion within 4-6 weeks from clear inputs received from customer. 2.The approved drawing will be common for all participating discoms. 3.Any station-wise drawing approval is not applicable	1. Bidder to adhere as per the RFP. No Deviation is accepted. 2. Noted. 3. Though Station wise drawing approval is not applicable during Detail Engineering, however AS-BUILD drawing to be submitted for each station after P2P testing & Closure of SAT points.
6	ITC part	ITC shall be made as per the delivery schedule mentioned in the specification/ SOW Pre-dispatch inspection, MDCC and LD shall be applicable as per GCC.	1. Based on the present market scenario, we request for delivery period to be 16-80 weeks from manufacturing clearance 2. Installation and commissioning can be started only after getting site readiness from customer.The timeline mentioned by Customer need to be discussed and modified. 3. GTP/Drawing submission by 4-6 weeks from clear inputs form customer.	Duration of delivery, Drawing submission, FAT, SAT will be on the similar lines of RFP for the RO released by Purchaser during the contract period of 2 years.

7	GCC Terms	<p>1. The associate shall deliver equipment/material at site/stores, carry out erection, testing and commissioning and put into satisfactory operation as defined in contract. Unloading at site, storage, preservation, security and handling of the items at work places till completion of contract is also in scope of work.</p> <p>2. The associate shall obtain statutory clearances for the works executed by him.</p> <p>3. The associate shall provide comprehensive insurance for entire works for contract value and third party liability insurance to cover all risks till completion of contract.</p> <p>4. All transport / lifting/ unloading/ storage/preservation of items at site shall be arranged by the Associate at no extra cost . All these activities shall be performed in line with original equipment manufacturers' recommendations and/or as per best engineering practices, with due consent of Engineer-in-charge.</p>	<p>1. We understand that Statutory clearances for the works (if any) will be taken care by tata power.</p> <p>2. Site lifting,unloading & safe stoarge will be taken care by customer.</p>	<p>The followings are in the Bidder Scope as per the RFP:</p> <ol style="list-style-type: none"> 1. Statutory clearance will be issued by the Pruchaser. 2. Transportation and Delivery, Unloading at respective sites, Storage, Security & Insurance of materials till handover to Purchaser is in bidder's scope 3. However, Purchaser will provide the safe storage as per the site requirements at Central Store/Sub Stores if sites are not ready. The loading & unloading of FRTUS from Central Store to sites lies with Bidder.
8	15/Training/Technical Specification for FRTU System for RMUs	<p>Bidder to consider 10 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.</p>	<p>10 mandays training on FRTU shall be revsied to 1-2 mandays and this training shall be cpmomo for this complete package,There shall not be any DISCOM-wise training</p>	<ol style="list-style-type: none"> 1. Bidder to consider 10 man-days of Trainer to provide on-site training to Purchaser's personnel. 2. Bidder to note that the indicated man-days will be utilized in batches covering all DISCOMs.
9	General	<p>Integration activity with existing system</p>	<p>We understand that any integration with existing Sub-station Automation System/RTU/Control Centre is not under present scope</p>	<ol style="list-style-type: none"> 1. The configuration at control center end will be done by Purchaser. 2. Bidder to integrate RMU / MFMs / Transducers / Instruments with FRTUs as per the site requirements.
10	General	<p>The auxiliary input should be suitable for both 24V and 48V DC</p>	<p>We request the customer to provide the break-up of FRTUs according to auxiliary voltage.</p>	<ol style="list-style-type: none"> 1. The FRTU/Ethernet Switch/Modem cum Router should support Auxiliary Power Supply range of 18-72 V DC as per the GTP mentioned in the RFP. 2. Most of the RMUs have the control voltage of 24V DC.
11	Annexure-1/Price Schedule	<p>Multi-function meter</p>	<p>Pls clarify the scope of work for MFM,as per our understanding, it is to be loose supplied</p>	<ol style="list-style-type: none"> 1. Bidder to refer Clause no. 3.0 2. Bidder to consider Multifunction meter for each Breaker panels of RMUs, which shall be mounted on the RMU panel. If RMU donot have the required space,then MFMs are to be mounted inside the FRTU panel. (Max 2 nos) . 3. These meters shall be integrated to FRTU on MODBUS in daisy chain loop. Necessary cutout to be made to flash mount these MFMs in the RMU panels
12	Annexure-1/Price Schedule	<p>Instrumntation/AC-DC Power cables</p>	<p>Our scope shall be limited to supply part only for Cables.Any laying & termination shall not be in our scope</p>	<p>As per site requirement bidder may have to carryout Civil Activity for proper installation of FRTU panel as per minimum height mentioned in the RFP along with trenches and Cable tray. All cables laying and termination is in the scope of the bidder.</p>
13	Annexure-1/Price Schedule	<p>FRTU Panel,Layer-2 Switch,Modem,Battery+Battery Charger,CMR</p>	<p>We shall be offering as per Annexure-1 Quantity only.The Specifiacion (pdf sheet 212 onwards) also contains as BOM for 200 FRTUs.So, Pls clarify the scope of supply</p>	<p>BOM/ Price Schedule as per annexure-I only needs to be followed.</p>
14	Annexure-1/Price Schedule	<p>4G Modem cum Router</p>	<p>We understands that we need to offer 4G router cumn modem only.Any 5G Modem/Router is not applicable</p>	<p>Bidder to consider Modem cum Router with 5G Fallback to 4G/3G/2G. Power Supply of Modem shall be 18-72 V DC.</p>
15	General/Panel Type & Construction	<p>FRTU Panel Size</p>	<p>As the size of Panles is not mentioned,we can offer as per our standard design</p>	<ol style="list-style-type: none"> 1. Size of the panel will be on basis of proposed solution of the Bidders. Minimum Panel Size shall accommodate all the required equipment including battery and Battery Charger, Modem etc. with sufficient cooling for electronics to work properly. 2. As per the RFP the size of the panel shall not be more than the RMU Size.

16	2.2.(pdf sheet 81 of 220)/Scope of Work/Technical Specification for FRTU System for RMUs	The FRTU shall be non-redundant for the current application, however proposed FRTU shall support redundancy in hot standby mode with bump less Auto Changeover.	We shall be offering Non-redundant FRTU.Pls acknowledge	1. FRTU used for RMU automation will be non-redundant. 2. However, the proposed FRTU shall provide the redundancy with additional hardware only without any additional software license for achieving the redundancy.
17	2.24(pdf sheet 83 of 220)/Scope of Work/Technical Specification for FRTU System for RMUs	All the cards/modules of the FRTU, Ethernet Switch etc. must have conformal coating for protection against harsh environments.	Our offered FRTU is suitable for harsh environments. So any separate coating is not required.Pls acknowledge	No Deviation is accepted. Conformal coating is mandatory considering the highly saline environment of the proposed sites.
18	2.32(pdf sheet 84 of 220)/Scope of Work/Technical Specification for FRTU System for RMUs	a. Hot replacement of all I/O modules	TTThe Hot Swap Feature poses risk of Safety for the personal doing maintenance. In addition to that also it may lead to malfunction of device if the activity is not properly and carefully carried out.So, we do not recommend for the same.	FRTU should support hot replacement of I/O modules. Bidder to depute experienced & competent resources to carry out the job.
19	2.32.k(pdf sheet 85 of 220)/Scope of Work/Technical Specification for FRTU System for RMUs	I/O Requirement Digital Inputs (DI) Digital Output (DO) Analog Input (AI) IO Configuration (Current Requirement) 48 16 8 Expandable 64 32 16	The offered FRTU shall be with 16DI/16DO & 8 AI only.	1. The current I/O Requirements are 48 DI, 16 DO, 8 AI, however proposed FRTU shall be expandable to accommodate I/O modules i.e. Minimum 64 DIs and 32 DOs & 16 AI. 2. Bidder to adhere the RFP.
20	2.35.e(pdf sheet 92 of 220)/Scope of Work/Technical Specification for FRTU System for RMUs	Measurement Events 10000 System Events 1000 Alarms & Events 5000	Our offered FRTU is having SOE of 4096 events, Further Measurement events are not applicable for FRTU	1. No Deviation is accepted. 2. Bidder to consider the scope as per the RFP.
21	2.40(pdf sheet 93 of 220)/Scope of Work/Technical Specification for FRTU System for RMUs	Cyber Security		1. The proposed FRTU should support all the relevant standards as per RFP. 2. Bidder shall submit the comparison and compliance sheet against BDEW Cyber Security norms viz a viz standard mentioned in the RFP. 3. Bidder shall submit the product certification as per the RFP, in addition CPRI certification with respect to GoI Letter No. 12/34/2020-T&R dated 8th June 2021, Ministry's Order No. 25-17/6/2018-PG dated 2nd July 2020 is mandatory.
22	2.44(pdf sheet 98 of 220)/Scope of Work/Technical Specification for FRTU System for RMUs	Networking Accessories	We understand that Patch panel, I/O Box etc are not required here.	1. Bidder to consider the scope as per the RFP. 2. The detail requirement to be finalised during detail engineering.
23	Data Sheet:FRTU(pdf sheet 187 of 220)/Technical Specification for FRTU System for RMUs	Capacity of I/O should be sufficient for Two 4 way RMU automation (Minimum 64 DIs and 32 DOs & 16 AI hardwired capacity).	We shall be offering FRTU with 48DI/16DO/8AI and suitable for single RMU only	1. The current I/O Requirements are 48 DI, 16 DO, 8 AI, however proposed FRTU shall be expandable to accommodate I/O modules i.e. Minimum 64 DIs and 32 DOs & 16 AI as per the site requirement of 4 way/5 way/6 way RMUs etc. 2. Bidder to adhere the RFP.
24	Service SLA		We understand that any type of AMC is not part of the scope of work.Please confirm.	1. Bidder to refer Clause no. 14.7.3 2. Maintenance Under Warranty/Bidder to make site visit as per the requirement mentioned in the RFP, irrespective of maintenance support (to ensure availability as per SLA), Software Upgradation, Patch Management etc.

25	7.0/Code 7 Standards applicable/pdf sheet 26 of 220)	Product Conformance as per GoI Letter No. 12/34/2020-T&R dated 8th June 2021, Ministry's Order No. 25-17/6/2018-PG dated 2nd July 2020	This order si applicable for Imported items.Our offered FRTU is a Make in India product,so the mentioned clause in not applicable.Pls acknowledge.	1. Bidder to furnish the supporting documents that the product is fully developed (both the software & hardware) in India. 2. Preferably Bidder to submit the certificate before the release of RC. 2. However TPCODL decision will be communicated / discussed with successful bidder for submission of CPRI certificate i.e. before placement of order/before delivery of material at site. 3. Bidder to note the CPRI certificate Cyber Security is mandatory.
Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM
1	Tender Document, Clause No 10,Page 15 of 33	Reverse Auction Reverse Auction shall be as per the below approach: No of bidders allowed to participate in RA process shall be: Total No of bidders on whom tender would be split PLUS 2 more bidders	Request TPSODL to confirm the number of bidders in between which TPSODL intent to split the order.	The tender is floate for both TPSODL & TPNODL. Splitting projection has already been mentioned in the tender documents (Pls refer clause no.11)
2	Tender Document, Clause No 13,Page 16 of 33	6. Delivery Terms: Supply Part Delivery shall be made within 90 days from the date of issuance of Release Order/ CAT-A approval, whichever is later.	We understand that delivery schedule will be as per clause no. 9.1.1 Delivery schedule for the project SITC of FRTU System page 32 of 220	Delivery Terms: Supply Part Delivery shall be made within 90 days from the date of issuance of Release Order/ CAT-A approval, whichever is later.
3	Tender Document, Clause No 13,Page 17 of 33	13.3 Payment Terms 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 MSME payment will be made with 45 days of submission of error free & certified invoice upon successful delivery of the equipment.	Yes for MSME, payment shall be made within 45 days only as per Govt norms.
4	Tender Document, Annexure-I,Page 19 of 33	ANNEXURE-I : Price Schedule	There is no line item for Services of FRTU Panel, Communication and Other Supplied System, Standard Warranty and Training. Request TPSODL to amend the price schedule accordingly.	Scope of work is SITC. Hence the payment terms have been kept for both on supplies as well as ITC. Tender t & Cs shall prevail.
5	Technical Specification, Section-A, Clause 3.2.d, Page 12 of 220	Space available near the RMUs will be utilized to house all the FRTU panels. Bidder to ensure optimal utilization of space to accommodate the FRTU panel.	Request TPSODL to confirm the sufficient space is available adjacent to all RMUs to erect the FRTU Panels.	As per the RFP Bidder's are requested to visit sample sites for availability of space and other installation requirement
6	Technical Specification, Section-A, Clause 3.2.d, Page 12 of 220	IP class of the panel enclosure shall be IP55/IP65/IP67 as per the site requirement.	We understand that Panel has to be IP65/IP67 with canopy. Kindly confirm.	Bidder's understanding is in line with RFP
7	Technical Specification, Section-A, Clause Clause 3.3.1.a, Page 12 of 220	Activities in Existing RMUs Supply, installation and wiring of multipliers for providing potential free contacts for Digital Inputs such as status indication of Isolators, Breakers and others signal in the existing RMUs as per "Indicative Signal List" (Refer Annexure-4 of Section-E for Indicative Signal List).	Request TPSODL to confirm the available space in the RMU panel for Supply, installation and wiring of the MFM, CMRs etc. Also request TPSODL to share the GA drawing of the RMU panel.	1. Size of the panel will be on basis of proposed solution of the Bidders. Minimum Panel Size shall accommodate all the required equipment including battery and Battery Charger, Modem etc. with sufficient cooling for electronics to work properly. 2. As per the RFP the size of the panel shall not be more than the RMU Size. 3. RMU GA drawing will be shared during detail Engineering.
8	Technical Specification, Section-A, Clause Clause 3.3.1.b&c, Page 12 of 220	Providing and mounting adequate copper lugs, TBs & Din rail channel of standard make in the RMU. If required, bidder to mount the CMRs with bases in RMUs panel with proper arrangement i.e. segregated for Input, Output and Power Supply requirement. Mounting of TBs for the proposed scope shall not disturb the existing wiring and arrangement.	We request TPSODL to confirm that required spare for installation of CMR in the RMU will be provided by TPSODL . We request TPSODL to confirm the contact voltage of the CMR which needs to be installed in the RMU.	1. All the CMRs are to be mounted inside the FRTU panel only. 2. Most of the RMUs have 24V DC as control voltage. CMR has to be designed during Detailed Engineering.
9	Technical Specification, Section-A, Clause Clause 3.3.1.e, Page 12 of 220	Supply, Installation and Commissioning of the MFM in the RMUs shall be in the scope of the Bidder. Bidder shall make Din-Rail arrangement in the RMUs panel for installation of MFM.	1. We request TPSODL to confirm that required spare for installation of MFM in the RMU will be provided by TPSODL . 2. We understand that 230V AC will be provided in RMU by TPSODL. Kindly confirm . 3. We request TPSODL to confirm the contact voltage of the CMR which needs to be installed in the RMU.	1. Noted. Bidder to consider Multifunction meter for each Breaker panels of RMUs, which shall be mounted on the RMU panel. If RMU donot have the required space,then MFMs are to be mounted inside the FRTU panel. (Max 2 nos) . 2. Yes, LT AC supply will be arranged by Purchaser. 3. Most of the RMUs have 24V DC as control voltage. CMR has to be designed during Detailed Engineering.
10	Technical Specification, Section-A, Clause Clause 3.3.1.i, Page 12 of 220	Instrumentation and control cable shall be laid properly from RMUs to FRTUs.	Request TPSODL to confirm required trench/cable tray for laying of cable between RMU and FRTU panel will be made available by TPSODL. Kindly confirm.	1. Bidder can use the available trenches, cable tray and plinth as applicable. However bidder to note at each site the requirement will be captured during site visit planned as per the RFP with successful bidder. 2. As per site requirement bidder may have to carryout Civil Activity for proper installation of FRTU panel as per minimum height mentioned in the RFP along with trenches and Cable tray.

11	Technical Specification, Section-A, Clause Clause 3.3.1.j, Page 12 of 220	Integration of IEDs through Ethernet/Serial Cable with FRTU. Bidder to consider all networking accessories to connect site IEDs to all the proposed managed ethernet switches.	Request TPSODL to confirm whether required arrangement is available in the RMU for laying the cable between the ethernet switch and IED installed in RMU feeders.	Ethernet Switch has to be mounted inside the FRTU panel only and communication patch cord cable has arranged accordingly.
12	Technical Specification, Section-A, Clause Clause 3.3.2.a, Page 12 of 220	Data acquisition and Control through BCPUs should be explored. The communicable BCPUs to be integrated with the proposed FRTUs through ethernet switch.	We understand that BCPU available at the time of commissioning will be integrated while signal for other feeders will be hard-wired. Kindly confirm.	Any communicable device has to be integrated with FRTU as per the supported protocol of the device, otherwise it will be hard wired.
13	Technical Specification, Section-A, Clause Clause 3.3.2.f, Page 13 of 220	AC & DC Power Supply used in RMU and FRTU panel shall be monitored and communicated to Purchasers' SCADA System through FRTU.	We request TPSODL that required transducers/soft signal required for monitoring of the power supply shall be provided by TPSODL. Kindly confirm.	Bidder to consider all transducers/relays required for monitoring of Power Supply and shall be mounted in the FRTU panel.
14	Technical Specification, Section-A, Clause Clause 3.3.2.i, Page 13 of 220	The ITC cost is inclusive of any addition of Module/s in a FRTU Rack for the RMUs as per the site requirements.	We understand that ITC cost is inclusive of any addition of Module/s in a FRTU Rack due to the time of commissioning. Once FRTU is commissioned, ITC of additional module is payable extra by TPSODL. Kindly confirm.	1. The current I/O Requirements are 48 DI, 16 DO, 8 AI, however proposed FRTU shall be expandable to accommodate I/O modules i.e. Minimum 64 DIs and 32 DOs & 16 AI as per the site requirement of 4 way/5 way/6 way RMUs etc. 2. any additional module at site after commissioning and handover to Purchaser is payable to Bidder .
15	Technical Specification, Section-A, Clause Clause 3.4.a, Page 14 of 220	Providing of proper earthing to FRTU and armored cable with separate Earth pit shall be in the scope of the Bidder	We understand that separate earth pit for FRTU can be constructed adjacent to FRTU panel itself and is in bidder scope as no separate line item for the same is mentioned in price schedule. Kindly confirm.	Purchaser proposes to use the existing earthing system of RMU for proposed FRTU Panel. In case of special requirement of the bidder, then earth pit along with cable are in the scope of the bidder.
16	Technical Specification, Section-A, Clause Clause 3.4.h, Page 14 of 220	Supplying, Laying and Termination of AC power supply cable for extending AC supply from RMUs to the FRTUs.	We understand reliable 230V AC will be made available from the RMU for FRTU battery charger. Kindly confirm.	Please note the 230 V AC Supply is available in the RMU Panel, It has to be extended to FRTU panel by the Bidder.
17	Technical Specification, Section-A, Clause Clause 3.4.i, Page 14 of 220	Special care to be taken for minimal outside exposure of the cables laid between RMUs & FRTUs.	Request TPSODL to confirm whether cut-out is available in RMUs to lay the steel pipe between RMU and FRTU panel so that there is minimal exposure of the cables.	All RMUs have cable entry points, however Bidder to carry out any extra hole if needed.
18	Technical Specification, Section-A, Clause Clause 3.6.a , Page 14 of 220	Appropriate civil work shall be carried out before installation of FRTU panel.	We understand that plinth of suitable height will be provided at each location to installation of FRTU panel and civil works related to plinth and foundation is not in bidder scope. Kindly confirm.	1. Bidder can use the available trenches, cable tray and plinth as applicable. However bidder to note at each site the requirement will be captured during site visit planned as per the RFP with successful bidder. 2. As per site requirement bidder may have to carryout Civil Activity for proper installation of FRTU panel as per minimum height mentioned in the RFP along with trenches and Cable tray.
19	Technical Specification, Section-A, Clause Clause 3.6.b , Page 14 of 220	The metal legs of the FRTU panel to properly fastened to fix the panel on the Cement floor through nuts and bolts.	1. Request TPSODL to kindly confirm that Cement floor along with required Civil works for FRTU panel erection will be provided by TPSODL at each site. 2. Also request TPSODL to confirm that minimum height of the metal legs to be provided in the FRTU panel.	
20	Technical Specification, Section-A, Clause Clause 3.7.c , Page 15 of 220	As all Communication equipment to be housed inside the FRTU panel, Bidder to ensure the size of the panel accordingly, Panel GA will be finalized during detailed engineering.	Request TPSODL to kindly confirm the minimum size of the panel which has to be provided by the bidder to provide level playing field to all bidders.	1. Size of the panel will be on basis of proposed solution of the Bidders. Minimum Panel Size shall accommodate all the required equipment including battery and Battery Charger, Modem etc. with sufficient cooling for electronics to work properly. 2. As per the RFP the size of the panel shall not be more than the RMU Size. 3. RMU GA drawing will be shared during detail Engineering.
21	Technical Specification, Section-A, Clause Clause 4.1.6 , Page 17 of 220	Suitable separate Earthing system (including earth pit) for offered system.	There is no line item for earthing which is provided in price schedule. Request you to kindly amend the price schedule accordingly.	Purchaser proposes to use the existing earthing system of RMU for proposed FRTU Panel. In case of special requirement of the bidder, then earth pit along with cable are in the scope of the bidder.
22	Technical Specification, Section-A, Clause Clause 6.1.8 & 6.1.11 , Page 21 of 220	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 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 FRTU system and other sub-vendor equipment and services.	We understand in case bidder is authorized dealer of the FRTU OEM, in that case FRTU OEM will be jointly and severally for the design, supply, erection, commissioning & satisfactory performance of the supplied system and specified standard Warranty Maintenance, Activities and support and OEM needs to give the undertaking for the same to TPSODL at the time of bidding. Kindly confirm.	Yes Bidders understanding is in line with RFP
23	Technical Specification, Section-A, Technical Solution Score 1b), Page 29 of 220	Experience on implementation of IOT based application for FRTU based Field Automation Systems (4 marks)	Since IOT functionality is not asked in the FRTU but in 5G Modem can router in existing tender specification, request TPSODL to review the marking scheme for the same.	1. Bidder to consider the scope as per the RFP. 2. The experience of Bidder shows the capability to address &

24	Technical Specification, Section-A, Technical Solution Score 1b), Page 29 of 220	Project Experience in FRTU Integration over (5 marks) a) IEC 61850 (ED1 & latest ED2), implementation of logic using GOOSE	Since Goose functionality is not asked in the existing tender specification, request TPSODL to review the marking scheme for the same.	solutions to the current RFP and hence evaluation of Bidders will be carried out accordingly.
25	Technical Specification, Clause 13.1, Page 59 of 220	Similarly, the FRTU rack shall have provision to add additional DI (32 DI) module, DO module (16 DO) and AI module (4 AI) to meet the site requirement.	Request TPSODL to confirm whether we need to follow Page 85 of 220 Expandability for FRTU expansion capability.	The current I/O Requirements are 48 DI, 16 DO, 8 AI, however proposed FRTU shall be expandable to accommodate I/O modules i.e. Minimum 64 DIs and 32 DOs & 16 AI as per the site requirement of 4 way/5 way/6 way RMUs etc.
26	Technical Specification, Clause 2.32, Page 88 of 220	Digital Input Signal Monitoring Cable monitoring	We understand cable monitoring is not required for the DI signals for FRTU and has been inadvertently mentioned in RFP. Request TPSODL to remove the clause accordingly.	1. Selectable line monitoring per channel to detect open circuit and short circuit field wiring faults for DI signals. 2. No Deviation accepted. Bidder to adhere to the scope of RFP.
27	Technical Specification, Clause 2.32, Page 90 of 220	Design and Performance requirement of Digital Input modules Number of channels per module / card – 16 (max)	We understand that 32 Channel DI Card is also acceptable to TPSODL. Kindly confirm.	Noted
28	Technical Specification, Clause 2.32, Page 90 of 220	Digital Output Signal Monitoring Cable monitoring	We understand cable monitoring is not required for the DO signals for FRTU and has been inadvertently mentioned in RFP. Request TPSODL to remove the clause accordingly.	1. Selectable line monitoring per channel to detect open circuit and short circuit field wiring faults for DO signals. 2. No Deviation accepted. Bidder to adhere to the scope of RFP.
29	Technical Specification, Clause 3.0, Page 109 of 220	Technical Specification for Multi-Function Meter (MFM) Necessary cutout to be made to flash mount these MFMs in the RMU panels.	We understand that as per Section-A, Clause Clause 3.3.1.e, Page 12 of 220 MFM/MFT has to be DIN Rail mounted in RMU panel. Kindly confirm.	Flash Mount in RMU panels / DIN Rail mounting at FRTU panel as per the RMU type/site requirement.
30	Technical Specification, Clause 14.6, Page 65 of 220	Maintenance services for the supplied Hardware, System and application Software up-gradation, Patch Management services including sub-vendor products during the Standard warranty period of 5 Years from the date of system handover after SAT, resolution of all punch point of SAT and trouble-free operation of the entire system for a period of one month.	We understand that maintenance services for 5 years will be applicable site wise. Kindly confirm.	Yes Bidders understanding is in line with RFP
31	Technical Specification, Clause 14.9, Page 69 of 220	Database modification during Warranty Period All database modification major or minor is in the scope of the bidder, after the system handover and during the warranty period. The Scope covers FRTU configuration and necessary changes for control center communication.	We request TPSODL to quantify the numbers of new bays and stations to be included in 5 years warranty as it is impossible for bidders to estimate the cost involved without any estimates for 5 years period.	1. Bidder to add optional service charges in the attached Price bid indicating cost of service for integration of one no. 4 Way RMU per site. 2. The integration cost added in the price bid will be evaluated during technical/commercial evaluation.
32	Chapter-1, Clause 2.2, Page 81 of 220	The FRTU shall be non-redundant for the current application, however proposed FRTU shall support redundancy in hot standby mode with bump less Auto Changeover.	We understand the CPU and PSU redundancy should be achieved by adding additional Racks and Cards also in future. Kindly confirm.	Yes Bidders understanding is in line with RFP
33	Chapter-1, Clause 2.8, Page 82 of 220	The FRTU shall be Din Rail Mounted.	We request TPSODL to accept rack mounted/wall mounted FRTU also.	Din Rail mounted FRTUs are preferred. However bidder may propose rack mounted/wall mounted FRTU within the panel size mentioned in the RFP and addressing the environmental conditions of the sites.
34	Price Schedule Pre-Wired FRTU Panel, Page 212 of 220	Price Schedule	We understand that price schedule mentioned in RFP was for 200 FRTU tender floated by TPCODL in 2022. We request TPSODL to amend the same in-line with the present RFP.	Pls refer price schedule of tender document (Annexure-1)
35	DATA SHEET :: Multi-Function Meter, Page 191 of 220	Class 0.2S / 0.5S (IEC62053-11 and IEC62053-22)	We understand that bidder can supply class 0.2s or 0.5s MFM. Kindly confirm.	Accuracy Class of MFM meter shall be 0.2 S.
36	DATA SHEET :: Multi-Function Meter, Page 191 of 220	CT Type- Ring CT (optional)	As per Datasheet optional CT Type- Ring CT is asked in MFM while same is not mentioned in Technical Specification for Multi-Function Meter (MFM), page 109 of 220. It is optional and upto bidder to provide the same.	Ring Type CT is not envisaged however mentioned as optional.
37	Price Schedule Pre-Wired FRTU Panel, Page 212 of 220	Pre-wired FRTU Panel Protocols: IEC60870-5-103, IEC 60870-5-104, IEC 61850 (ED1, ED2), RSTP, MODBUS (Serial & TCP/IP), SNMP (V1.0, V2.0, V3.0), NTP & SNTP, MQTT	1. We understand that MQTT support is required in 5G modem cun router and not in FRTU. Kindly confirm. 2. Request TPSODL to confirm Data Sheet specification supercede the details mentioned in price schedule of the tender document.	1. MQTT support is required (FRTU, Modem). 2. Supply of 5G Modem is also in the scope of the bidder
38	Price Schedule Battery & Battery Charger, Page 215 of 220	2. Battery Voltage/cell 2 volts 50AH, 10 Amp	We request TPSODL to kindly consider LiFePO4 battery or allow 12V VRLA battery cells for the FRTU DCPS as it is not practically possible to put 12 cells of 2V VRLA type battery within the FRTU cabinet.	1. Bidder may consider 12 V Cell in place of 2V. 2. Bidder to consider VRLA battery

39	Price Schedule 4G Modem cum Router, Page 216 of 220	No Of Antenna : The 5G Cellular modem Should have two antenna connection (MIMO).One is primary cellular antenna & second is diversity antenna(MIMO). Cable should have Low loss RF Cable with minimum 5M. Antenna Should be Omni directional with high gain (High gain ≥5). Power Supply : 18-72 V DC	As per 1.1.1.1 Scope of work page 4 of 33, 4G Modem cum router is mentioned while specification also mentioned 5G. Request TPSODL to confirm whether 5G is required in modem or not.	Modem cum Router with 5G Fallback to 4G/3G/2G.
40	Annexure – 7: Preferred/Approved Make of Equipment/System, Page 206 of 220	Layer 2 Managed Ethernet Switch- Ruggedcom / Hirschman / MOXA/CISCO	Synergy make switches are IEC 61850-3 certified and were part of approved make of equipment in TPCODL RTU tender no. TPCODL/P&S/100000445/2023-24. Since requirement is same for all 4 discoms, request TPSODL to kindly allow Synergy make L2 managed switches also for this tender.	The approved makes for Ethernet Switch are Ruggedcom / Hirschman / MOXA/CISCO only. Synergy make switches were part of TPCODL RTU tender no. TPCODL/P&S/100000445/2023-24, however not accepted during Detail Engineering.
41	Annexure – 7: Preferred/Approved Make of Equipment/System, Page 206 of 220	Battery Charger- Delta/Amara raja/Mass tech/Chloride /Schneider	Other make DCPS by Gogate etc are also approved by Tata Power Odisha Discoms which are not mentioned in approved vendor list. We request TPSODL to kindly allow the equivalent make battery chargers also which are meeting the tender specification requirements.	Green Secure Energy Systems & GOGATE GEPL make Battery Chargers also acceptable.
42	Annexure – 7: Preferred/Approved Make of Equipment/System, Page 206 of 220	Battery Charger- Delta/Amara raja/Mass tech/Chloride /Schneider	Other make DCPS by Gogate etc are also approved by Tata Power Odisha Discoms which are not mentioned in approved vendor list. We request TPSODL to kindly allow the equivalent make battery chargers also which are meeting the tender specification requirements.	
43	Price Schedule, Page 219 of 220	Services of FRTU Panel, Communication and Other Supplied System Standard Warranty Training	These items are not part of clause 1.1.1.1 Scope of work, page 4 of 33. Request TPSODL to share the price schedule so that all bidders can accordingly quote for the same.	Pls refer price schedule of tender document (Annexure-1)
44	Price Schedule, Page 220 of 220	List of Mandatory Spares Note: Bidder to note that quantity mentioned is indicative in nature.	There is no list of mandatory spares mentioned in tender document price schedule. We understand no mandatory spare needs to be quoted by the bidder. Kindly confirm.	Pls refer tender document.
45	Tender Document, Annexure-I, Page 19 of 33	Annexure-I: Price Schedule	As per the tender documents along with Annexure-I: Price schedule, there are two more BOM's attached as mentioned below: - 1. Document: Detailed BOM_ SITC of FRTU, 2. Document: Detailed Scope of Work & Technical Specification @ Page no.212 And as there is no schedule attached on the Ariba portal, so request you to confirm we have to submit price bid in the Annexure-I: Price schedule attached in the tender document- SITC of FRTU & Accessories at Page no.19.	Pls refer price schedule of tender document (Annexure-1)
48	Tender Document, Clause 7.2.5, Page 14 of 33	vii. Signed and filled in Specification and GTP as per Annexure II.	As per the tender docs available on the portal Annexure II is not attached, however in the document "Detailed Scope of Work & Technical Specification" there are specs and GTP so please confirm that we need to consider these for this tender.	Yes Pls.
49	Technical Specification, Data Sheet : Contact Multiplying Relay (Digital Inputs), Page 190 of 220	Data Sheet : Contact Multiplying Relay (Digital Inputs) Contact make and carry: 5 Amps @ 24VDC / 48V DC	Please confirm the Coil voltage to be considered 24 or 48VDC.	Most of the RMUs have 24V DC as control voltage. CMR has to be designed during Detailed Engineering.
50	Technical Specification, Data Sheet : Interposing Relay (Digital Output), Page 189 of 220	Data Sheet : Interposing Relay (Digital Output)- Contact make and carry 30A for 3 sec. & 5A continuously at 660V	Please confirm the contact rating to be considered as 660 VDC or VAC.	Contact Make and Carry for Interposing Relay (Digital Output): 30A for 3 secs / 5A @ 660VAC.
51	Tender Document, Annexure-I, Page 19 of 33	Item-10: 4G Modem cum Router	As per the price schedule 4G modem cum Router is mentioned whereas the GTP asks for 5G Radio interface, request you to confirm if we can propose 4G Modem cum Router.	Bidder to consider Modem cum Router with 5G Fallback to 4G/3G/2G.
52	Technical Specification, Annexure-6, Page 184 of 220	GTP for FRTU: pt.9: For Structuring (Configuration) System (Separate Port) : A galvanically isolated USB port for local engineering through laptop	Request you to accept USB port without galvanic isolation, as per standard industry practice.	No Deviation accepted. Bidder to adhere to the scope of RFP.
53	Technical Specification, Annexure-6, Page 185 of 220	Required on SNTP and direct pulse (1 PPS, 1 PPM). FRTU shall have capability for Time Synchronization from Minimum 2 Server with priority selection	We understand that FRTU will be synchronized from SCADA on IEC-104 protocol	1. FRTU shall have capability for Time Synchronization from Minimum 2 Server with priority selection on IEC104. 2. FRTU should support SNTP/SNMP as per the RFP. 3. FRTU should support time synchronization from GPS antenna.
54	Technical Specification, Annexure-6, Page 189 of 220	GTP for Ethernet Switch: Auxiliary Power supply shall be 18-72V DC. The Switch shall have in-built adequate protection against reversed polarity, over current and under voltage conditions, to prevent the internal logic from being damaged and becoming unstable causing mal-operation	Request you to accept switches with power supply 18-60VDC.	Noted

55	Technical Specification, Clause 2.0, Page 81 of 220	Technical Specification for Feeder Remote Terminal Unit (FRTU): 2.2 The FRTU shall be non-redundant for the current application, however proposed FRTU shall support redundancy in hot standby mode with bump less Auto Changeover.	We understand that we need to supply non-redundant FRTU as per specification. Kindly confirm.	1. FRTU used for RMU automation will be non-redundant. 2. However, the proposed FRTU shall provide the redundancy with additional hardware only without any additional software license for achieving the redundancy.
56	Technical Specification, Clause 2.0, Page 82 of 220	Technical Specification for Feeder Remote Terminal Unit (FRTU): 2.5 The FRTU shall have min 1,000 Physical I/O tags and shall support integration of at least 10 IEDs on IEC 61850 and at least 10 IEDs on serial protocols. Bidder to consider the hardware such as I/O peripheral, Serial Ports, Communication processors, Converters etc., in the FRTU accordingly	We understand the capacity of 1,000 physical tags will be meet with additional I/O card, Racks and Power Supplies etc. Kindly confirm.	1. The FRTU should have the capacity of handling 1,000 physical tags. 2. Connection for physical I/Os may be done with additional hardware.
57	Technical Specification, Clause 2.0, Page 82 of 220	Technical Specification for Feeder Remote Terminal Unit (FRTU): 2.9 Disturbance and fault record collection over IEC 60870-5-104 protocol	Please confirm is transfer of disturbance and fault record on IEC-104 from RTU to SCADA required or transfer on 104 from IED to RTU?	Transfer of disturbance and fault record on IEC-104 from RTU to SCADA.
58	Technical Specification, Clause 2.32, Page 84 of 220	Technical Specification for Feeder Remote Terminal Unit (FRTU): 2.32 Input / Output Requirement a. Hot replacement of all I/O modules	Please confirm is it mandatory to provide Hot replacement of all IO modules.	FRTU should support hot replacement of I/O modules only.
59	Technical Specification, Clause 2.32, Page 85 of 220	Technical Specification for Feeder Remote Terminal Unit (FRTU): 2.32 Input / Output Requirement j. The relative time error between events (DI signals) handled within one controller shall be <1 ms (interrupt driven). The relative time error between events handled within separate FRTU shall not be more than 2 ms.	With a timestamp resolution of 1ms, error of <1ms cannot be achieved or demonstrated. Request to revise as +/-1ms.	Noted
60				
61	Technical Specification, Clause 2.32, Page 85 of 220	Technical Specification for Feeder Remote Terminal Unit (FRTU): 2.32 Input / Output Requirement k. Input / Output Requirement for each Substation: Typical Input/Outputs requirement: Expandable upto- DI:64, DO:32 & AI:16	This would consume all slots. Further expansion would need adding another FRTU chassis.	Bidder to submit the proposal accordingly during the BID process to support the expandability criteria mentioned in the RFP.
62	Technical Specification, Clause 2.32, Page 86 of 220	Technical Specification for Feeder Remote Terminal Unit (FRTU): b. Analog Signal Monitoring: • Power supply failure monitoring due to lose plug connection, short circuit, wire break and voltage interruption • Cable monitoring for open circuit • Fuse protection and fuse failure detection	For the points in this sub-clause can be achieved for 4-20mA inputs only, and a common failure indication for the input provided by the RTU.	Noted
63	Technical Specification, Clause 2.32, Page 87 of 220	• Provision for two high accuracy reference voltages to be used for checking the accuracy of the ADC for linearity, zero drift and gain. The reference voltage shall be set at equal intervals with respect to the ADC range. This check shall be made automatically at periodic intervals not exceed 6 secs and shall be alarmed if conversion is out of tolerance	Request you to clarify the point	The Analog – to – digital converter (ADC) should have the provision for two high accuracy reference voltages to be used for checking the accuracy for linearity, zero drift and gain. If there is any violation of the accuracy, it should generate alarm.
64	Technical Specification, Clause 2.32, Page 88 of 220	b. Digital Input Signal Monitoring • Fuse protection and fuse failure detection	Fuse failure detection at hardware level only is possible	No Deviation accepted. Bidder to adhere to the scope of RFP.
65	Technical Specification, Clause 2.32, Page 88 of 220	c. Design and Performance requirement of Digital Input modules • Choice of polarity and threshold range	The choice of polarity and threshold range is not possible, request you to remove the same.	No Deviation accepted. Bidder to adhere to the scope of RFP.
66	Technical Specification, Clause 2.32, Page 90 of 220	b. Digital Output Signal Monitoring • Fuse protection and fuse failure detection	Fuse failure detection at hardware level only is possible	Noted
67	Technical Specification, Clause 2.32, Page 90 of 220	c. Design and Performance requirement of Digital Output modules • Type of Output – Opto isolated short circuit protected transistor output	Relay outputs are provided in place of transistor outputs.	Noted.
68	Technical Specification, Clause 2.32, Page 92 of 220	2.36 Power Supply The FRTU shall be powered from the 18-72 VDC (24/48 V DC) Power Supply	Request to consider FRTU with power supply range 18-60VDC.	Noted
69	Technical Specification, Clause 2.32, Page 94 of 220	2.40 Cybersecurity b. User Credentials to access FRTU shall be authenticated through Purchaser's Active directory Server	Will FRTU have access to this AD server? AD server shall be enabled with RADIUS protocol support for authentication.	1. Yes, all IP based devices will have access to AD Server including FRTU/Ethernet Switches/Modem. 2. Noted.
70	Technical Specification, Clause 2.32, Page 95 of 220	2.43 Layer 2 Industrial Grade Managed Ethernet Switch c. Switch shall be DIN Rail mounted with Power Socket and Ports	Request to consider 19" rack mounted switch	Din Rail mounted Ethernet Switches are preferred. However bidder may propose rack mounted/wall mounted Ethernet Switches within the panel size mentioned in the RFP and addressing the environmental conditions of the sites.
Sr. No.	Detailed Reference to Tender Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM Response
1	2	3	4	5

1	Tender document/SCC Clause 13.3 Payment Terms/17	80% Payment shall be made within 60 days of submission of error free & certified invoice upon successful delivery of the equipment. 20% payment shall be released within 30 days of submission of error free invoice upon successful integration and commissioning of the equipment. Commissioning certificate duly signed by DISCOM representative will be provided by BA along with invoice.	Request to consider following points : 90% Payment on pro rata basis along with 100% GST shall be made within 30 days of submission of error free & certified invoice upon successful delivery of the equipment through TReDS platform available for MSMEs. 10% payment on pro rata basis shall be released within 30 days of submission of error free invoice upon successful integration and commissioning of the equipment. Commissioning certificate duly signed by DISCOM representative will be provided by BA along with invoice through TReDS platform available for MSMEs.	Tender T & Cs shall prevail.
2	Tender document/ANNEXURE IV : Schedule of Commercial Specifications/23	Liquidated damages clause acceptable Yes / No	There is no clause related to Liquidated damages rates provided in the tender document, pls. provide the same.	LD clause shall be as per GCC.
3	Tender document/SCC Clause 6. Delivery Terms: Supply Part/16	Delivery shall be made within 90 days from the date of issuance of Release Order/ CAT-A approval, whichever is later.	Kindly consider: Delivery shall be made within 150 days from the date of issuance of Release Order/ CAT-A approval, whichever is later.	Tender T & Cs shall prevail.
4	Tender document/SCC Clause 6./16	BA shall submit GTP/ Drawing within 07 days from issuance of the Rate Contract. If drawing is not approved by competent authority due to document shortfall or any changes are suggested, vendor has to resubmit new drawing/GTP/documents within 03 days of such intimation. BA shall offer for prototype inspection within 15 days of issuance of approved Drawings/GTP (if applicable). In case BA does not get necessary approvals for issuance of manufacturing clearances /CAT-A within mentioned / mutually agreed timelines, then CCG/TP Odisha Discoms reserve the right to cancel issued rate contract / release order and also reserve the right to forfeit EMD/PBG.	Kindly consider: BA shall submit GTP/ Drawing within 30 days from issuance of the Rate Contract.	Duration of delivery, Drawing submission, FAT, SAT will be on the similar lines of RFP for the RO released by Purchaser during the contract period of 2 years.
Sr. No.	Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM Response
1	2	3	4	5
# # # #	1.0 Intent of Specification	8	The proposed FRTU shall communicate simultaneously with Purchaser's minimum eight (8) SCADA System (redundant) over IEC 60870-5-104 with different network. Can We achieve this by using Router?	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. The FRTU should support Multi-Master reporting - 8 masters with single CSADU on IEC 104. 3. No multimaster arrangement with Router is accepted.
2	NA	NA	Is there any approved make list for FRTU, Modem, MFT.	Bidder to refer the Guarantee Technical Parameter mentioned at Annexure-7.
Sr. No.	Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM Response
1	2	3	4	5
1	Page Number 22 6.2 Type Test Report	The type tests specified in Purchaser specifications should have been carried out within five years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. If type tests carried out are not within the five years prior to the date of bidding, the bidder will arrange to carry out type tests specified, at his cost. The decision to accept/ reject such bids rests with Purchaser. Type test reports should be issued by third party government accredited laboratory or internationally recognized laboratory like NABL / CPRI / ERDA / KEMA / International Accredited Lab	The type tests specified in Purchaser specifications should have been carried out within five years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. If type tests carried out are not within the five years prior to the date of bidding, the bidder will arrange to carry out type tests specified, at his cost. The decision to accept/ reject such bids rests with Purchaser. Type test reports should be issued by third party government accredited laboratory or internationally recognized laboratory like NABL / CPRI / ERDA / KEMA / International Accredited Lab. Request you kindly delete the above marked portion "The decision to accept/reject such bids rests with Purchaser".	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
2	Annexure-6, GTP of FRTU SI Number 9	2 Nos. RS 485 electrical ports for communication with Serial Devices over IEC60870-5-103, Modbus protocol.	1 No. RS 485 electrical port for communication with Serial Devices over IEC60870-5-103, Modbus protocol.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
3	Annexure-6, GTP of FRTU SI Number 32	8 Nos. Number of Multi Master Reporting possible with same ASDU	4 Nos. Number of Multi Master Reporting possible with same ASDU	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. The FRTU should support Multi-Master reporting - 8 masters with single CSADU on IEC 104. 3. No multimaster arrangement with Router is accepted.
4	Page Number 198, Data Sheet: Dual SIM 5G/4G Modem cum Router, Proof of check	Bidder should give one number of modem along with Technical offer for performance & application compatibility check for period of minimum 15 days	In the event of order bidder should give one number of modem along with Technical offer for performance & application compatibility check for period of minimum 15 days	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
5	Page Number 206, Annexure 7	I/O Boxes Systemax/Tyco/CommScope	Systemax/Tyco/CommScope/Reputed Make	Noted.

6	Page Number 206, Annexure 7	Patch Panel (RJ45) with Connectors, I/O boxes Systemax/Tyco/CommScope	Systemax/Tyco/CommScope/Reputed Make	Noted.
7	Page Number 206, Annexure 7	CAT6 UTP Patch Chords Systemax/Tyco/CommScope	Systemax/Tyco/CommScope/Reputed Make	Noted.
8	Page Number 206, Annexure 7	RS 232 / RS 485 converter MOXA / Advantech	MOXA / Advantech/Reputed Make	Noted.
9	Page Number 206, Annexure 7	Battery Charger Delta/Amara raja/Mass tech/Chloride /Schneider	Delta/Amara raja/Mass tech/Chloride /Schneider/Raputed Make	Noted.
Sr. No.	Detailed Reference to Tender Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM Response
1	2	3	4	5
1	In Tender Document Page number 7, clause number 2 pre qualification criteria SI number 3 inhouse testing facility	Bidder should have the In-house testing facilities for acceptance test as per tender specifications. Selfundertaking to be submitted in this regard. DISCOM reserves the right to inspect the said manufacturing facility as a proof of compliance to this parameter.	Bidder/OEM/Bidder Authorized Agency should have the In-house testing facilities for acceptance test as per tender specifications. Selfundertaking to be submitted in this regard. DISCOM reserves the right to inspect the said manufacturing facility as a proof of compliance to this parameter.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
2	In Tender Document Page number 7, clause number 2 pre qualification criteria SI number 1 Technical Experience /Performance	The bidder should have performance certificates for a similar or higher rating of work from at least 2 reputed companies and one of them must be from Power utilities in India. The work against these issued certificates should be completed in last Five years from the date of bid submission. In case the bidder has got previous association with Tata Power / TPCODL / TPNODL / TPWODL for supply of similar product, performance feedback of the same will be solely considered irrespective of the performance certificate issued by bidder's other customers.	The bidder should have performance certificates for a similar or higher rating of work from at least 2 reputed companies and one of them must be from Power utilities in India. The work against these issued certificates should be completed in last Six years from the date of bid submission. In case the bidder has got previous association with Tata Power / TPCODL / TPNODL / TPWODL for supply of similar product, performance feedback of the same will be solely considered irrespective of the performance certificate issued by bidder's other customers.	OK.
3	In Tender Document Page number 8, clause number 2 financial pre qualification criteria SI number 2 Experience	The intending bidder must have successfully undertaken at least the following numbers of similar assignments during the last Five years of the value specified herein: a. One project of similar nature of not less than the amount Rs. 3 Cr. Or b. Two projects of similar nature of not less than the amount Rs. 1.5 Cr (each) Or c. Three projects of similar nature of not less than the amount of Rs. 1.0 Cr (each).	The intending bidder must have successfully undertaken at least the following numbers of similar assignments during the last Six years of the value specified herein: a. One project of similar nature of not less than the amount Rs. 3 Cr. Or b. Two projects of similar nature of not less than the amount Rs. 1.5 Cr (each) Or c. Three projects of similar nature of not less than the amount of Rs. 1.0 Cr (each).	OK.
4	In Tender Document Page number 4, clause number 1 Event Information EMD portion	300,000.00 Rupees need to be paid as EMD EMD exempted for MSMEs registered in the State of Odisha.	300,000.00 Rupees need to be paid as EMD. Being a MSME registered organisation request you that EMD be exempted for any MSME registered company.	EMD is exempted only for Odisha based MSME as already been mentioned in the tender document.
Sr. No.	Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM Response
1	2	3	4	5
1		Pls confirm if any civil work is required to place the FRTU panel. If yes, at how many sites		1. Bidder can use the available trenches and cable tray as applicable. However bidder to note at each site the requirement will be captured during site visit planned as per the RFP with successful bidder. 2. As per site requirement bidder may have to carryout Civil Activity for proper installation of FRTU panel along with trench and Cable tray.

