

**CENTRALIZED CONTRACTS GROUP**

NIT No.: TPCODL/CCG/23-24/018

**Corrigendum No. – I**

Dt.: 31-07-2023

**Tender Enquiry No- TPCODL/CCG/23-24/018****Tender Subject – Rate Contract for SITC of 11 KV & 33 KV AR and sectionalizers for TPCODL, TPWODL & TPNODL.****Corrigendum Summary:**

Tender Clause Reference	Remarks
A] Tender Clause 1.3	Extension of Bid submission date by 09 days

Note : See the details as listed underneath

**A] Clause 1.3: Revised Calendar of Event shall be as follows:**

(a)	Date of availability of tender documents from TPCODL Website	10.07.2023
(b)	Last date and time of Payment of Tender Fee	17.07.2023, 20:00 Hours
(c)	Last Date of receipt of pre-bid queries, if any	20.07.2023, 17:00 Hours
(d)	Last Date of Posting Consolidated replies to all the pre-bid queries as received	03.08.2023, 18:00 Hours
(e)	Last date and time of receipt of Bids	09.08.2023, 20:00 Hours

NOTE : All Other Terms &amp; Conditions of the tender shall remain unchanged as per NIT document, GCCs and Pre-bid reply.

Approved By,

Sd/-

(Head – Centralized Contracts Group)

**FORMAT F.1**

**Format for Query / Clarification / Deviation (QCD)**

Tender No **TPCODL/CCG/23-24/018**

Package Name **Rate Contract for SITC of 11kV and 33 kV Auto Recloser and Sectionalizers for TPCODL/TPNODL/TPWODL**

Bidder :

Note : The said format to be used only for any Pre-bid Query / Clarification/ Deviation on any of the Tender documents

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
1	2	3	4	5
1	Page 7/24 (Clause No. 1.1) - NIT document (TPCODL/CCG/23-24/012)	Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store, Installation and commissioning and performance of 11kV Pole Mounted Auto recloser and Sectionalizer with all accessories and necessary training for trouble free & efficient performance.	scope shall be limited to Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store, Installation and commissioning and performance of 11kV Pole Mounted Auto recloser and Sectionalizer and necessary training for trouble free & efficient performance. Below works are not our scope: 1) Pole erection is not in supplier's scope 2) Shutdown will be arranged by Tata Power. Regular basis 6-7 hr shutdown is required from the date of starting erection works except holiday. 3) Tata Power will supply required material (such as PG clamp, insulator, AB cable, earthing power, hardware etc) for installation of Autoreclosers / Sectionalizers 4) Protection setting in FRTU will be done by Tata Power, However we will provide demonstration on protection scheme & automation 5) The material issued from Tata Stores if not installed on same day due to any reason beyond our control shall be responsibility of Tata Power. 6) Once the product is installed , commissioned and handed over to Tata Power, the overall responsibility of such product's maintenance, security and operation shall be with Tata Power. 7) Hydra/Crane/Scaffolding/Froklift/boaring machine for earthing works /Gas welding arrangement not in our scope 8) Earthing pipe & Isolator erection not in our scope	DP Structure will be installed by TP. Installation of AR is in the scope of supplier including the commissioning & testing etc. All necessary mounting accessories for installation of Auto recloser & Sectionalizer shall be in supplier scope.
2	Page 7/24 (Clause No. 1.1) Sub clause A & B against NIT document (TPCODL/CCG/23-24/012)	Requirement : 11kV Autorecloser: 68 nos. 11kV Sectionalizer: 111 nos. 33kV Autorecloser: 10 nos. 33kV Sectionalizer: 30 nos.	We have received only vacuum based Autorecloser specification for 11kV & 33kV. But there is no specification for Sectionalizer. Kindly confirm the insulation medium of Sectionalizer. As a proven global practice, Sectionalizers are designed with SF6 Gas medium and not with vacuum. Primary reason for not using vacuum as insulating media for Sectionalizer is as below: In case of a leak, although with full gap, the vacuum interrupter cannot withstand the system voltage. Hence, from safety point of view, vacuum based device is never used for isolation purpose. Therefore, a sectionalizer using vacuum interrupters is not recommended globally. Sectionalizer is also supposed to isolate the circuit. An SF6 gas based Sectionalizer performs the dual role of current interruption and circuit isolation.	In our practice we use the same equipment as Autoreclosure & Autosectionalizer so that we can use these equipments interchangeably. For isolation we will be installing an Isolator at the location of AR & ASR.
3	Page 17/24 (Clause No. 7.1) Sub clause A & B against NIT document (TPCODL/CCG/23-24/012)	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later	Request to give minimum 90-120 days delivery period from the date of drawing approval due to shortage of electronic components worldwide	Delivery period shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later.
4	Page 13/16 (Clause 7.3) Acceptance test	d) Partial discharge test	Individual pole partial discharge test can be conducted during manufacturing stage. Tata Power can inspect partial discharge test during stage inspection. After complete assembly partial discharge test is not possible.	Shall be as per technical specification
5	Clause No. 45 (Page 6 of 15)	The controller shall have battery having capacity of minimum 20 complete operations and 48Hrs of backup which shall be charged by a temperature compensated charging circuit, allowing the battery to charge at an optimal rate to extend battery life.	Normally VRLA C20 Battery is meant for 20 hrs discharge as per attached technical data sheet for 20 Hrs. Hence it is recommended to have a backup of 24 hours.	Shall be as per technical specification
6	Clause No. 45 (Page 6 of 15)	RAM-64 MB and additionally the controller shall have provision of flash memory to store logs, events and data	The required no. of settings & recordings, logs as per the specifications are well accommodated in memory size as good as 4MB FRAM.	No deviation is accepted. Bidder to consider the parameters as per the RFP.
7	Clause No. 5.2-i-d (Page No. 8 of 15)	Push buttons with indications LEDs- Autorecloser blocked or Auto – ON/OFF	Setting for Auto recloser ON/OFF has been already provided in the device.	Bidder to consider the
8	Clause No.5.2-ii-e (Page No. 8 of 15)	Indicating LEDs shall be provided by bidder – Two user programmable LEDs	All the necessary events / alarms seen by the system have been indicated by dedicated LEDs on front HMI of the device. Requirement & purpose of user programmable LEDs to be clarified.	entire scope as per the
9	Clause No.5.2-iii (Page No. 9 of 15)	Protective features n) The fault labels should be easily readable like reclose1, Trip1, High current Lockout, Overload lockout etc. (Bidder to mention the details and get approval before manufacturing of relay )	The Fault Record and Event Record description mentioned in the device clearly indicate the type of fault / event in a simple readable language. Creating customised fault labels can be point of conflict among site engineers.	RFP
10	Clause No.5.2-iv (Page No. 9 of 15)	Metering capabilities shall be provided which shall be monitored through local & remote (using SCADA) Load profile - Current, Voltage & Power	Load profile is usually a feature to be incorporated in SCADA, since large data can be effectively displayed on the SCADA HMI.	No deviation is accepted. Metering capabilities should have load profile of minimum 60 days.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
11	Clause No.5.2-v (Page No. 9 of 15)	Control shall operate on GPRS 4G/RF technology & shall have data recording capabilities that be download remotely	Load profile is usually a feature to be incorporated in SCADA, since large data can be effectively displayed on the SCADA HMI.	No deviation is accepted. Metering capabilities should have load profile of minimum 60 days.
12	Clause No. 5.2-vi (Page No. 9 of 15)	Communication Features c) Remote RJ485 port-The RJ 485 must have the capability for multi-drop connectivity. d) Radio RS232 Port. The port must include RTS/CTS handshaking for direct connection to a radio & delayed message flow control.	We understand this as RS485 port & not RJ485 port. Since the required protocols are IEC 104 & MQTT, there is no requirement of using RS232 port & RS485 port with multi-drop connection.	Remote RS485 port-The RS 485 must have the capability for multi-drop connectivity. d) Radio RS232 Port. The port must include RTS/CTS handshaking for direct connection to a radio & delayed message flow control.
13	NIT/Submission of Bid Documents Clause 3.9/14	The type tests specified in TPCODL/TPNODL/TPSODL/TPWODL 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.	The type tests specified in TPCODL/TPNODL/TPSODL/TPWODL specifications should have been carried out within ten years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. There is no change in design of the product for last ten years, we request the customer to accept our proposal	As per CEA 2021 Guideline Distribution System 33kV & Below
14	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Technical Specification 6. Marking/10	Warranty (48/60 months)	Please clarify warranty months. It should be 48 months from the date of supply.	As per technical specification
15	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Technical Specification 4. General Technical Requirement/5	Voltage sensor for metering and protection: Accuracy up to 12kV +0.5%	Our proposal for RVD (Resistance voltage divider) accuracy is 1%  The accuracy of voltage sensor required with 0.5 class according to the technical specifications, but the voltage sensor is not required with high accuracy rate like 0.5 class. We request the customer to accept our proposed accuracy class.	No deviation shall be acceptable from technical specification
16	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/6	Controller Cabinet: Communication protocol- The controller should be supplied with IEC-60870-5-104 and MQTT. No other and proprietary protocol is accepted	Our controller can support the protocol IEC-60870-5-104. MQTT will be available using our router/modem and hence our system as a whole will comply with both protocols. Since MQTT is not a common protocol in distribution line networks. We request the customer to accept our proposal as a whole system for protocols.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
17	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/6	Controller Cabinet: The control cable shall have IP66/68 rated ingress protection easy plugin and plug out male & female plugs along with cable glands at both ends.	The plug shall have receptacle for connecting the controller. Please accept our solution.	Any design complying to our technical specification can be accepted
18	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Support IEC - 60870-5-104 & MQTT for communicating with master station. Preferably support SFTP protocol to transfer disturbance record to remote server.	Our controller use FTP-SSL for transferring data instead of SFTP. With our proposed FTP-SSL we can fully comply with technical requirement. We request the customer to accept our proposal.	BA system as a whole should comply with both protocols.
19	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Multi-Master reporting - 5 masters with single CSADU	Our controller can support only 2 masters with only IEC 60870-5-104 protocol, however multi master reporting-5 masters with single CSADU can be achieved using our router/modem in combination with our controller, hence we comply this requirement as a whole system. We request the customer to accept our proposal.	Acceptable.BA to comply the requirement as a whole system.
20	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Cyber security- User level authentication, Disabling the DNS, Disabling/enabling/ configurable TCP/ UDP port, PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to Controller	We proposed as below. <b>Multi User level authentication:</b> We can provide 3 types of password and each password has different level of setting. Those are 1. Full access, 2. communication access, 3. log deletion function. <b>Disabling the DNS:</b> Our controller doesn't support DNS (Domain Name Server) since it is not applicable to the network. <b>Disabling/enabling/configurable TCP/UDP port</b> Our interface software for controller is developed based on TCP. It doesn't support UDP. And we don't provide disabling function of TCP port since it has to maintains the enabling status for security. <b>Disabling/enabling/configurable PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to controller</b>  For the safe operation of controller, we don't provide "disabling function" for charger failure and battery failure. For controlling & monitoring battery changing/battery voltage, the detecting function for their failure should be maintained. We request the customer to accept our proposal.	1. Bidder to consider all the scope as per the RFP. 2. PT Failure, Charger Failure, Battery Failure/Door lock alarm should be integrated to Controller.
21	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Digital data should have higher priority than Analog data. The dead band shall be user configurable for reporting Analog data by exception shall be initially set to 1% (in 1%) of full scale value.	The priority function is not applicable to our controller. Since our controller use separate buffer for each digital and analog signal, we don't apply any priority for any data. The priority is only applicable for the system which has only single buffer. In consideration that our controller has advance technology with dual buffer, we request the customer to accept our proposal.	Noted. However in case of single buffer, Bidder to adhere to the requirements as per RFP.
22	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 5. General Construction/9	5.2 Control Panel vi) Communication features to be provided by bidder a) on front panel-USB Port/Ethernet/RS485	Our proposed controller will have USB port on front part of relay and Ethernet/RS485 port on the side part of relay. We request the customer to accept our construction of controller.	Noted.
23	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 5. General Construction/10	5.2 Control Panel vii) User interface provided by the bidder g) Switches to disable electronic close & trip operations shall be provided for safety.	We will provide the CONTROL LOCK for this function for this function If control lock is on, all button in the relay will be disabled. This a better solution which can provide the Control Lock function for safety.	Bidder can propose solution based on latest proven technology, and similar system installed elsewhere in last 2 years. Bidder must ensure all the functional requirements as per the RFP are complied by the proposed solution.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
24	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 7. Tests for Switchgear/11	7.1 Type Tests 6) Additional tests on auxiliary and control circuits 8) Making current capability 15) Thermal runaway test	The following test are not applicable for auto recloser as per IEC 62271-111 6) Additional tests on auxiliary and control circuits : N/A (The successful completion of the interrupting duty, mechanical endurance test and continues current test of the main circuit is considered adequate verification of the auxiliary and control circuits) 8) Making current capability (Rated short circuit breaking current test demonstrates this capability. Thus there is no separate test for this.) 15) Thermal runaway test (This test is not required as other means is not specified for relevant test in accordance with IEC 62271-111) We request the customer to accept our proposal.	Shall be as per technical specification, justification required
25	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 7. Tests for Switchgear/11	7.2 Routine Tests d) tightness test	The following test will not be included in routine test since we proposed solid insulated recloser. The below test is for gas insulated recloser. d) tightness test We request the customer to accept our proposal.	Noted
26	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 7. Tests for Switchgear/12	7.3 Acceptance Tests Insulation Resistance Test	Insulation Resistance Test will be excluded since it is not a routine test included in IEC62271-111 standard. We request the customer to accept our proposal.	Shall be as per technical specification
27	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/4	b) Accuracy up to 630A ±0.5% c) Fault data 1000A & above accuracy class 5P10	Our proposal for accuracy class for CT is as below. (1) For metering: 1.0 % (2) For protection: 5P20 (The protection class 5P20 is better than 5P10)	shall be as per technical specification, however better offer can be acceptable
28	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/6	The controller should monitor battery voltage and provide alarm if the voltage falls below 21V and cut-off at 18 V	Our controller provides alarm only if the voltage falls to 21V when AC power is on. We request the customer to accept our proposal.	Shall be as per technical specification, however better offer can be accepted
29	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Provision for CFL/LED to be provided in the control cabinet	Our controller does not have provision for CFL/LED. We request the customer to accept our proposal.	Shall be as per technical specification
30	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Minimum Event Storage in internal memory of controller as below Measurement event : 10000 System event : 1000 Alarm event : 1000 Normal event : 5000	Our controller can provide event storage as below S/W Operation Recorder -last 5,000 events Fault Event Recorder -last 1,500 events Fault Waveform (60 cycles× 64 samples) -last 32 events System Event Recorder -last 5,000 events Setting Change Event Recorder -last 2,000 events Load & Energy Recorder - Average Load & Energy –last 8,640 events (Max 360 days) - Peak Load & Energy in every hour –last 8,640 events - Peak Load & Energy in every day –last 8,640 events Diagnostic Event Recorder -last 2,000 events PQM Detection Event Recorder -last 1,500 events Load Current Alarm Event Recorder -last 1,500 events We request the customer to accept our proposal.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
31	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 5. General Construction/10	c) Indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	The contact wear will be provided as monitoring function in our controller. Instead of LED, the alarm for contact wear will be provided. We request the customer to accept our proposal.	Shall be as per technical specification
32	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 5. General Construction/10	l) Auto reset of the relay after tripping wit definite time of 1min. (All elements & LED should reset and fault data shall be displayed)	Our controller will not display the fault date but it can be checked from the fault log data. We request the customer to accept our proposal.	Shall be as per technical specification
33	Others	Quotation Model	We will offer auto recloser for sectionalizer as our recloser support sectionizer function in accordance with IEC 62271-111 and the technical specification (ENG-HV-2017) specify the requirement for auto recloser in this tender.	In our practice we use the same equipment as Autoreclosure & Autosectionalizer so that we can use these equipments interchangeably. For isolation we will be installing an Isolator at the location of AR & ASR.
34	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Make & Model	Vendor to provide Make & model of proposed cellular Router. Preferred Make- Teltonika RUT950/ CMS- CS-INMDM- LAN/ABB ARG 600/Any other Reputed Make Note: Make will be finalised during detailed Engineering	Model RUT950 is discontinued due to End of life, hence Teltonika is offering RUT901. Please accept our proposal	Noted.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
35	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Supported Frequency Band	1. Modem should support multiband connectivity with FDD 4G LTE & TDD 4G LTE 2. It should support Band 1,3,5,8 and Band 40 3. The offered cellular router should support and compatible to the data & Radio Interface of the Network of Public Mobile Service provider in ODISHA State	Please share the bands required in the ODISHA state	ODISHA has NBSPs/Cellular Operators i.e. BSNL, Airtel, Jio, Vodafone etc. The Proposed Modem should support multiband connectivity with FDD 4G LTE & TDD 4G LTE and support Band 1,3,5,8 and Band 40. Bidder to research the 4G bands in ODISHA and propose the Modem accordingly.
36	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Operating Humidity	5 % to 100 % (Non - Condensing)	10% to 90% non-condensing Please accept our proposal	Shall be as per technical specification
37	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Storage Transport Temperature	(-40 to 85 deg celsius)	(-40 to 75 deg celsius), Please accept our proposal	Shall be as per technical specification
38	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/CPU	3. Bidder to note that the CPU usage should not cross 40% load in typical Operating & Maintenance condition.	We comply Partially with MediaTek, MIPS 24KEc, 580MHz, Please accept our proposal	Noted
39	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/RAM	3. Bidder to note that the CPU usage should not cross 40% load in typical Operating & Maintenance condition.	We comply Partially 16 MB, SPI Flash, Please accept our proposal	Noted. Bidder to ensure the performance of the solution in line with the RFP.
40	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Routing	Astatic Routing, RIP 1 & 2, OSPF V2 & V1	Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP)	Noted
41	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Security	HTTPS, SSH, Authentication with RADIUS or TACACS +, Activate Cellular Interface with SMS, Ethernet 802.1X (EAP-PEAP/MsCHPv2 or EAP -TLS)	We comply partially	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
42	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Authentication	User Management (Local, RADIUS, TACACS +, Mixed )	We comply partially, Captive portal (Hotspot), internal/external Radius server	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
43	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Antenna Cable Length	Cable should have Low loss RF Cable with minimum length of 5 Meters	We shall offer 3M Cable, please accept our proposal	Shall be as per technical specification
44	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Type of Antenna	Antenna Should be Omni directional with High Gain (High Gain ≥ 5)	The gain of antenna shall be 2.5 dBi, please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
45	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Construction of Antenna	1. Shall be Steady, Good Quality Material, Water / Weather proof having Adequate Gold Plate Connector compatible with Cellular Router Antenna Port. 2. With suitable Mounting Arrangement for Indoor installation	IP65 rating, Screw Mounting	Noted
46	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Radiated, Radio- frequency, Electromagnetic Field Immunity Test	IEC EN 41000-4-1	We shall offer EN 61000-3-3:2013 + A1:2019 EN 301 489-1:V2.2.3 EN 301 489-17:V3.2.4 EN 301 489-52:V1.1.0Electromagnetic compatibility - Article 3.1(b) EN 300 328:V2.2.2. Please accept our proposal	Noted.
47	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Information Technology Equipment – Safety	IEC 40950	We shall offer EN IEC 62311:2020, EN 50665:2017 Please accept our proposal	Noted

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
48	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Environmental Testing - Vibration (Sinusoidal)	IEC 40048-2-4	Our Modem doesnot have the same, Please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
49	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Environmental Testing - Shock	IEC 40048-2-27	Our Modem doesnot have the same, Please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
50	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Environmental Testing - Free Fall (withdrawn)	IEC 40048-2-12	Our Modem doesnot have the same, Please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
51	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Regulatory compliance	1. Bidder shall confirm that offered product is complied & certified by all Indian Government Bodies related to Telecommunication/ Wireless Communication (WPC, DOT) to operate & use this product in India 2. Bidder share submit the Compliance Certificate for the same	Not applicable as we have all the certifications from Lithuania	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
52	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Surge Protection /Electrical Isolation	It should be available on all Ethernet communication port & Power Supply Input . Bidder shall share certification in this regard.	Not Applicable.	Please refer Annexure for Modem and Router
53	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Information to Bidder	Cyclonic environment with wind velocity up to 250 kmph. Some of the regions, where the work will take place includes coastal areas, subject to high relative humidity, which can give rise to condensation. Onshore winds will frequently be salt laden. On occasions, the combination of salt and condensation may create pollution conditions for electronic equipment. Some places are in heavily industrial polluted areas. Therefore, all supplied material and equipment shall be designed and protected for use in exposed, heavily polluted, salty, corrosive and humid coastal atmosphere.	Our Modem doesnot have the same, and moreover the modem is to be installed inside the controller cabinet hence impact of harsh environment shall reduce considerably. Please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
54	Clause No 7.1.3 Pg No-12	Continuous current tests	Our Device is tested under IEC 62271-111-2012 standard. This test is not required as per this standard. This test was included in IEC 62271-111-2019. However this test covers under <b>temperature rise test</b> . Therefore requesting you to kindly consider temp-rise test for the said test. Kindly clarify.	Temperature rise test at rated current shall be accepted
55	Clause No 7.1.6 Pg No-12	Additional tests on auxiliary and control circuits	This test is not required by IEC 62271-111 Std, nor mandatory test item to perform. Please refer	Shall be as per technical specification, justification required
56	Clause No. 7.1.10 Pg No-12	Low current tests	Our Device is tested under IEC 62271-111-2012 standard. This test is not required as per this standard. This test was included in IEC 62271-111-2019. However as per IEC 62271-111-7.103 and <b>CPRI stated</b> , this test is subjected to be considered only if interrupting duty and Short circuit test are in question. Kindly clarify.	Shall be as per technical specification, justification required
57	Clause No 7.1.15 Pg No-12	Thermal runaway test	Our Device is tested under IEC 62271-111-2012 standard. This test is not required as per this standard. This test was included in IEC 62271-111-2019. However as per <b>IEC 62271-111-7.113</b> and also <b>CPRI stated</b> this test is subjected to be considered only if Mechanical Endurance and Temp Rise tests are in question. Kindly clarify	Shall be as per technical specification, justification required
58	Page No. - Page 7 of 16 Clause No.4.45 -Control Cabinet	The controller should monitor battery voltage and provide alarm if the voltage falls below 21V and cut-off at 18 V	(Providing battery monitoring and protection as follows : - Battery alarm when battery voltage drops to less than 22.5 V - Automatic disconnection between battery and control circuit when battery voltage drops to less than 21.5 V	As per technical specification, however better can be accepted
59		Sectionalizer Specifications	The tender name stated Rate Contract for SITC of 11kV and 33 kV Auto Recloser and Sectionalizers for TPCODL/TPNODL/TPWODL but the specifications of sectionalizer are not there in tender. Kindly Clarify	In our practice we use the same equipment as Autoreclosure & Autosectionalizer so that we can use these equipments interchangeably. For isolation we will be installing an Isolator at the location of AR & ASR.
60	ENG-HV-2017; Clause 2 (j); Page 3 of 16;	IEC 61869-2 / IS 2705 - Current Transformers	As per BIS Website, IS 2705 is withdrawn. Please clarify.	Noted
61	ENG-HV-2017; Clause 2 (k); Page 3 of 16;	IEC 61869-3/ IS 3156 - Voltage Transformers	As per BIS Website, IS 3156 is withdrawn. Please clarify.	Noted
62	ENG-HV-2017; Clause 4 (31); Page 5 of 16;	Provision of Manual Operation with accessible handle: To be provided by bidder	Only manual trip & lock-out is possible. Manual Closing is not possible.	Shall be as per technical specification
63	ENG-HV-2017; Clause 4 (43); Page 6 of 16;	Auxiliary PT Details: Type - Resin cast PT double pole	We propose single pole design. Please accept.	Shall be as per technical specification
64	ENG-HV-2017; Clause 4 (43); Page 6 of 16;	Voltage ratio - 11kV/230V	We propose a Voltage Ratio of 11kV/Root 3 / 230V. Please accept.	Shall be as per technical specification
65	ENG-HV-2017; Clause 4 (43); Page 6 of 16;	Burden - 100VA	We propose a Burden of 250VA. Please accept.	shall be as per technical specification, however batter offer can be acceptable
66	ENG-HV-2017; Clause 4 (43); Page 6 of 16;	PT earthing shall be inside the AR control panel.	We presume this to be PT Secondary Earthing. Please confirm.	Yes

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
67	ENG-HV-2017; Clause 4 (45); Page 6 of 16;	Controller Cabinet: The control panel should have inbuilt firmware in hardware or relay with feature that the same control panel can be used for Autorecloser with reprogramming of firmware.	The clause is not clear. We presume that the same control panel can be used for Autorecloser & Sectionalizer, with reprogramming of firmware. If so, we are not aware of any such product available in the market. Please suggest make and model of any similar product that you are already using for the purpose.	In our practice we use the same equipment as Autoreclosure & Autosectionalizer so that we can use these equipments interchangably. For isolation we will be installing an Isolator at the location of AR & ASR.
68	ENG-HV-2017; Clause 4 (45); Page 7 of 16;	Shielded Control cable (FRLS type) for connection from pole top unit to controller cabinet should be provided with length of around 7 meter	We propose to use Armoured Control Cable instead of Shielded Control Cable. Please accept the same.	Shall be as per technical specification
69	ENG-HV-2017; Clause 4 (45); Page 7 of 16;	Communication protocol - The controller should be supplied with IEC104 protocol and MQTT. No other & proprietary protocol is not accepted.	We presume that IEC 104 protocol is actually IEC 60870-5-104 protocol. Please confirm.	Confirmed.
70	ENG-HV-2017; Clause 4 (45); Page 7 of 16;	Communication protocol - The controller should be supplied with IEC104 protocol and MQTT. No other & proprietary protocol is not accepted.	We are not aware of any controller with MQTT. Please suggest make and model of any similar product that you are already using for the purpose.	1.No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT. 2. Reputed OEMs are having this facilities, Please explore.
71	ENG-HV-2017; Clause 4 (45); Page 7 of 16;	The unit shall include "flash" boot loader that will support re programming of the main control unit firmware via RS232 serial port / Ethernet port	We are not aware of any controller with MQTT. Please suggest make and model of any similar product that you are already using for the purpose.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
72	ENG-HV-2017; Clause 4 (45); Page 7 of 16;	32 bit or better RAM Core CPU operating @ minimum 450 MHz RAM-64 MB	we are not aware of any such product available in the market. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore.
73	ENG-HV-2017; Clause 4 (45); Page 7 of 16;	Controller must have External DO contact (to capture ON/OFF Status.)	ON/OFF Status will be extended through auxiliary contacts of the recloser.	Noted
74	ENG-HV-2017; Clause 4 (45); Page 8 of 16;	Controller must have at least one TCP/IP Ethernet port to for communication with master station over IEC-60870-5- 104 &MQTT Without external protocol converter for communication with master station.	We are not aware of any controller with MQTT. Please suggest make and model of any similar product that you are already using for the purpose.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
75	ENG-HV-2017; Clause 4 (45); Page 8 of 16;	Support IEC - 60870-5-104 & MQTT for communicating with master station. Preferably support SFTP protocol to transfer disturbance recorder to remote server	We are not aware of any controller with MQTT & SFTP. Please suggest make and model of any similar product that you are already using for the purpose.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
76	ENG-HV-2017; Clause 4 (45); Page 8 of 16;	Device should support periodic data reporting configurable from 2 second to 1 hr interval and spontaneous data as well. Digital data should have higher priority than Analog data. The dead band shall be user configurable for reporting Analog data by exception shall be initially set to 1 % (in 1%) of full scale value Multi-Master reporting- 5 masters with single CSADU	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
77	ENG-HV-2017; Clause 4 (45); Page 8 of 16;	Cyber security- User level authentication, Disabling the DNS, Disabling/enabling/ configurable TCP/ UDP port, PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to Controлле	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	1.No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore.
78	ENG-HV-2017; Clause 4 (45); Page 8 of 16;	Minimum Event storage in internal memory of controller as below: Measurement event-10000 System Event- 1000 Alarm Event- 1000 Normal event- 5000	Our controller has got: i) control (On, Off, Trip) event and diagnosis event up to 30,000 cases in time sequence and ii) various fault information (occurred time, type of fault, operation relaying element) during distribution line accidents up to 1024 cases in time sequence.	1.No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore.
79	ENG-HV-2017; Clause 4 (47); Page 8 of 16;	The bidder should provide necessary support for integration of field device with TPCODL/ TPNODL/TPSODL/TPWODL SCADA/ ADMS/ DA	Our scope is limited to providing the memory map of the controller.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Necessary configuration, SCADA integration & testing of all the Auto Recloser with Modem is in the scope of Bidder. 3. Purchaser will only do the necessary configuration in the Control Centre SCADA and will extend support during remote testing.
80	ENG-HV-2017; Clause 5.2 (ii) (e); Page 9 of 16;	Two user programmable LEDs	kindly suggest the Model as it is not available in our controller!	Reputed OEMs are having this facilities, Please explore
81	ENG-HV-2017; Clause 5.2 (ii) (f); Page 9 of 16;	Contact & breaker health status	kindly suggest the Model as it is not available in our controller!	Reputed OEMs are having this facilities, Please explore
82	ENG-HV-2017; Clause 5.2 (iii) (f); Page 10 of 16;	Switching over from one protection group to another with power flow direction –Automatically	kindly suggest the Model as it is not available in our controller!	Reputed OEMs are having this facilities, Please explore
83	ENG-HV-2017; Clause 5.2 (iii) (i); Page 10 of 16;	Loss of phase protection	kindly suggest the Model as it is not available in our controller!	Reputed OEMs are having this facilities, Please explore
84	ENG-HV-2017; Clause 5.2 (iii) (j); Page 10 of 16;	Minimum TMS settings for IDMT element shall be 0.01 for better relay co-ordination with upstream breaker.	kindly suggest the Model as it is not available in our controller!	Reputed OEMs are having this facilities, Please explore
85	ENG-HV-2017; Clause 5.2 (iv) (a); Page 10 of 16;	Load profile - Current, Voltage & Power	kindly suggest the Model as it is not available in our controller!	Reputed OEMs are having this facilities, Please explore
86	ENG-HV-2017; Clause 5.2 (v); Page 10 of 16;	Control shall operate on GPRS 4G/RF technology	kindly suggest the Model as it is not available in our controller!	Reputed OEMs are having this facilities, Please explore

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
87	ENG-HV-2017; Clause 5.2 (v) (a); Page 10 of 16;	Load profile, current, voltage , power for all three phases	Load Profile not available in our controller	Reputed OEMs are having this facilities, Please explore
88	ENG-HV-2017; Clause 5.2 (v) (b); Page 10 of 16;	Peak demand current, voltage & Power values	Peak Voltage not available in our controller	Reputed OEMs are having this facilities, Please explore
89	ENG-HV-2017; Clause 5.2 (v) (b); Page 10 of 16;	On Front panel-RS232 Port/RJ485/Ethernet	Front Port will be a USB Port only in our controller suggest your model	Noted
90	ENG-HV-2017; Clause 5.2 (v) (c); Page 10 of 16;	Remote RJ485 port-The RJ 485 must have the capability for multi-drop connectivity.	Remote Port will be a RS232C Port only in our Controller suggest your model	1.No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore.
91	ENG-HV-2017; Clause 5.2 (v) (d); Page 10 of 16;	Radio RS232 Port. The port must include RTS/CTS handshaking for direct connection to a radio & delayed message flow control	kindly suggest the Model as it is not available in our controller	1.No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore.
92	ENG-HV-2017; Clause 5.2 (v) (e); Page 10 of 16;	TCP/IP Ethernet Port- 2 nos. One must be engineering port	Only one Ethernet Port is available in our controller	1.No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore.
95	Page No :-4 of 15	Operating sequence O-0.5s-CO-10s-CO-10s-CO	Operating sequence shall be O-0.2s-CO-2s-CO-2s-CO ; Intial tripping mentioned in operating sequence in specification i.e. 0.5sec is higher than normal outdoor breaker i.e. 0.3 sec. Hence request you to change it to 0.2 sec instead of 0.5 sec this will help to have product tested with more stringent requirement. Also request to verify that the said auto reclosing duty has been proven by the type test reports of the bidders.	As per technical specification, however better can be accepted
96	Page No :-5 of 15	CT Accuracy : 1-630A – +0.5%	CT accuracy shall be 5P10 ; Since the CT's are used for protection purpose hence same shall have accuracy class of 5P10. Reducer CT are not meant for metering purpose. Our inbuilt CT of 600/1 A is suitable for detecting current (for protection) up to 1.2 Amp. Same shall be sufficient for said requirement.	CT accuracy shall be 5P10
97	Page No :-5 of 15	Mounting bracket for Autorecloser and Aux. PT	Please specify exact no of requirement for double pole & single pole mounting	All Auto recloser shall be mounted on double pole & Aux PT prfferrably mounted on the structure of auto recloser
98	Page No :-6 of 15	Shielded Control cable for connection from pole top unit to controller cabinet should be provided with minimum length of 7 meter.	Shielded Control cable for connection from pole top unit to controller cabinet should be provided with minimum length of 6 meter. Length of control cable shall be 6 meters.	Shall be as per technical specification
99	Page No :-6 of 15	Controller must have at least one TCP/IP Ethernet port to / for communication with master station over IEC-60870-5- 104 & MQTT.	Controller must have at least one TCP/IP Ethernet port to / for communication with master station over IEC-60870-5-104.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
100	Page No :-7 of 15	Controller must have at least one TCP/IP Ethernet port to / for communication with master station over IEC-60870-5- 104 & MQTT.	Controller must have at least one TCP/IP Ethernet port to / for communication with master station over IEC-60870-5-104.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
101	Page No :-7 of 15	Support IEC - 60870-5-104 & MQTT for communicating with master station. Shall also support SFTP protocol to transfer disturbance record to remote server.	Support IEC - 60870-5-104 for communicating with master station. Shall also support SFTP protocol to transfer disturbance record to remote server.	Support IEC - 60870-5-104 & MQTT for communicating with master station. Shall also support SFTP protocol to transfer disturbance record to remote server.
102	Page No :-7 of 15	Event storage in internal memory of controller as below:	Event storage in internal memory of controller shall be 1024 events.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
103	Page No :-7 of 15	The bidder should provide necessary support for integration of field device with TPCODL SCADA/ADMS/DA	The bidder should provide necessary support for integration of field device with TPCODL SCADA/ADMS/DA. The support can be provided through remote or physical presence at site. Remote support for integration shall also be accepted.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Necessary configuration, SCADA integration & testing of all the Auto Recloser with Modem at sites is in the scope of Bidder. 3. Purchaser will only do the necessary configuration in the Control Centre SCADA and will extend support during remote testing.
104	Page No :-8 of 15	Indicating LEDs shall be provided by the bidder: a)Open (Separate LED) b)Close (Separate LED) c)Over current pickup with phase & ground indication d) Lockout c) Unit status e)Two user programmable LEDs f)Contact & breaker health status g)Battery & battery charger health status	Indicating LEDs shall be provided by the bidder: a)Open (Separate LED) b)Close (Separate LED) c)Over current pickup with phase & ground indication d) Lockout c) Unit status e)Two user programmable LEDs <del>f)Contact &amp; breaker health status</del> g)Battery & battery charger health status AR healthy indication shall be provided instead of contact and breaker health status.	Shall be as per technical specification
105	Page No :-9 of 15	j) Minimum TMS settings for IDMT element shall be 0.01 for better relay co-ordination with upstream breaker. K) The high set/definite time delay shall have minimum 20ms setting.	j) Minimum TMS settings for IDMT element shall be 0.05 for better relay co-ordination with upstream breaker. K) The high set/definite time delay shall have minimum 40ms setting.	Shall be as per technical specification



Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
106	Page No :-9 of 15	Following metering capabilities shall be provided by the bidder which shall be monitored from local & remote (through SCADA): a. Current - phase and neutral b. Voltage - phase-phase and phase-neutral c. Kilowatts - single and three-phase d. Kilowatt-hours - single and three-phase e. Kilovars - single and three-phase f. Power factor g. Frequency g. Positive, negative and zero sequence current h. Positive, negative and zero sequence voltage a. Load profile, current, voltage and power	The below mentioned measurement options are available in the relay:- a. Three-phase current measurement b. Sequence current measurement c. Residual current measurement d. Three-phase voltage measurement e. Sequence voltage measurement f. Three-phase power and energy measurement g. Single-phase power and energy measurement h. Frequency measurement i. Load profile record	Shall be as per technical specification
107	Page No :-12 of 15	Isolator (Inspection at OEM factory can be conducted by TPCODL/TPNODL/TPSODL/TPWODL team)	Please remove said clause; As per clause 4.42, page no. 5 of 15 the isolator is in scope of TPNODL hence same shall not be supplied by associate.As per clause 4.42, page no. 5 of 15 the isolator is in scope of TPNODL hence same shall not be supplied by associate.	Noted
108	Page No :-12 of 15	Type tests shall have been conducted in certified Test laboratories during the period not exceeding 5 years from the date of opening the bid.	Type tests shall have been conducted in certified Test laboratories during the period not exceeding 10 years from the date of opening the bid. Type test reports conducted withing 10 years from the date of technical bid opening shall be acceptable. This is inline with CEA guidelines	As per CEA 2021 Guideline Distribution System 33kV & Below
109	Page No :-13 of 15	In the event any defect is found by the TPCODL/TPNODL/TPSODL/TPWODL up to a period of at least 48 months from the date of commissioning or 60 months from the date of last supplies made under the contract whichever is earlier.	In the event any defect is found by the TPCODL/TPNODL/TPSODL/TPWODL up to a period of at least 48 months from the date of commissioning or 60 months from the date of last supply made under the contract whichever is earlier. The warrantee of equoment shall be linked with individual supply date instead of last supplies made under contract.	As per technical specification
110	Page No :-13 of 15	TPCODL/TPNODL/TPSODL/TPWODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL/TPNODL/TPSODL/TPWODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be.	TPCODL/TPNODL/TPSODL/TPWODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL/TPNODL/TPSODL/TPWODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be. Only actual incurred expenses shall be recovered.	Shall be as per technical specification
111	Page No :-13 of 15	In case of GP failure, BA shall report at site within 48 hours from intimation and arrange for rectification of fault within a mutually agreed time.	In case of GP failure, BA shall respond to complaint within 48 hours from intimation and arrange for rectification of fault within a mutually agreed time.	Shall be as per technical specification
112	Page No :-14 of 15	To ensure proper operation of Product the bidder shall provide onsite training of TPCODL/TPNODL/TPSODL/TPWODL teams as and when required.	To ensure proper operation of Product the bidder shall provide onsite training of TPCODL/TPNODL/TPSODL/TPWODL teams during installation & commissioning of 1 <sup>st</sup> lot of supplied reclosers. Traning shall be provided by service engineer visiting TPCODL/TPNODL/TPSODL/TPWODL for supervision of erection & commissioning of supplied reclosers only. Trainging can not be given as and when required.	Shall be as per technical specification
113	Page No :-14 of 15	To ensure quality of installations bidder shall provide supervision support during impartation.	Please specify exact no of man days to be considered for supervision per reclosers.	1 Man day per Equipment
114	Page No :-14 of 15	Bidder shall ensure availability of recommended spares for 15 years from the date of commissioning.	Bidder shall ensure availability of recommended spares for 10 years from the date of supply or commissioning, whichever is earlier.	Shall be as per technical specification
115	NIT/Submission of Bid Documents Clause 3.9/14	The type tests specified in TPCODL/TPNODL/TPSODL/TPWODL 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.	The type tests specified in TPCODL/TPNODL/TPSODL/TPWODL specifications should have been carried out within ten years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. There is no change in design of the product for last ten years, we request the customer to accept our proposal	As per CEA 2021 Guideline Distribution System 33kV & Below
116	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Technical Specification 4.35 General Technical Requirement	Voltage sensor for metering and protection: Accuracy up to 12kV +0.5%	Capacitive Voltage Sensors Embedded inside the Epoxy on each bushing Accuracy: +/- 5 %	Shall be as per technical specification
117	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/6	Controller Cabinet: Communication protocol- The controller should be supplied with IEC-60870-5-104 and MQTT. No other and proprietary protocol is accepted	Our controller can support the protocol IEC-60870-5-104. MQTT will be available using our router/modem.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
118	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/6	Controller Cabinet: The control cable shall have IP66/68 rated ingress protection easy plugin and plug out male & female plugs along with cable glands at both ends.	The Control cable with a harting connector (on tank side) and a military canon Connector are provided	Any design complying to our technical specification can be accepted
119	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Multi-Master reporting - 5 masters with single CSADU	Our controller can support only 2 masters with only IEC 60870-5-104 protocol, however multi master reporting-5 masters with single CSADU can be achieved using our router/modem in combination with our controller	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. The controller should support Multi-Master reporting - 5 masters with single CSADU on IEC 104.
120	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Cyber security- User level authentication, Disabling the DNS, Disabling/enabling/ configurable TCP/ UDP port, PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to Controller	All settings are password protected except for those accessible using the Fast Keys. A request to enter the password is automatically generated when the user tries to edit protected parameters for the first time after switching the Panel ON.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
121	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 5. General Construction/10	5.2 Control Panel ii) LED Indicating	Open/Close Indications are available on the controller. Overcurrent pick up with phase and ground indication, Lockout, Unit status, Contact & Breaker health status; Battery and Battery charger health status are displayed on the LCD panel of the controller. In regard to Two user programmable LEDs, Alerts can be programmed on the LCD.	Noted

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
122	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/4	b) Accuracy up to 630A ±0.5% c) Fault data 1000A & above accuracy class 5P10	Three X Dual Core CT (one on each phase); Ratio: 2500:1; Protection Class Accuracy :5P10 for the entire current range; Sensor Accuracy +/-0.2 %	Shall be as per technical specification
123	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/6	The controller should monitor battery voltage and provide alarm if the voltage falls below 21V and cut-off at 18 V	We use a 12 V, 26 Ah battery in our controller. The Battery Shutdown is based on the Battery capacity and this can be set in the controller.	Shall be as per technical specification
124	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Minimum Event Storage in internal memory of controller as below Measurement event : 10000 System event : 1000 Alarm event : 1000 Normal event : 5000	Load Profile logs registers up to 10,000 readings of Load Profile data. The Event Log registers up to 10,000 events associated with changes of particular signals or parameters. The Change Log record contains up to 1,000 events associated with changes of settings, protection status, external load status, control mode or erasing energy meter readings and fault counters.	Invalid Queries
125	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 5. General Construction/10	c) Indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	The contact wear will be provided as monitoring function in our controller. Instead of LED, the alarm for contact wear will be provided.	Shall be as per our technical specification
126	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 5. Surge Arrestor	Approved make- Raychem, Oblum, Elpro. (Bidder to mention offered make)	We also manufacturer for LA against your TS so request you to please consider Our Make (ELEKTROLITES Power) for the same.	Shall be as per our technical specification
127	Annexure-I for Technical Specification ENG- HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Make & Model	Vendor to provide Make & model of proposed cellular Router. Preferred Make- Teltonika RUT950/ CMS- CS-INMDM- LAN/ABB ARG 600/Any other Reputed Make Note: Make will be finalised during detailed Engineering	we are proposing E214F00CS (Model) LANTRONIX to you, which is a Dual SIM Router/Model & rich in Industrial Protocol with Conversion.	Shall be as per our technical specification

**FORMAT F.1****Format for Query / Clarification / Deviation (QCD)**

Tender No TPCODL/CCG/23-24/018

Package Name

Bidder :

Note : The said format to be used only for any Pre-bid Query / Clarification/ Deviation on any of the Tender documents

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
1	2	3	4	5
1	1.7 Qualification Criteria page 9 of 24	The average annual turnover of the bidder shall be a minimum of Rs. 100.0 Crs for any three of the last five financial years	This may be considered 10 times of the estimated value or 25Cr in place of 100Cr.	Will be as per NIT Documents.
2	SCC 7.1/NIT/Page no. 16-17	Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 30 days of issuance of purchase order. PBG applicable shall be @ 5% of Rate Contract Value or 10% of PO Value. Validity of BG shall be till expiry date of PO plus delivery period plus warranty period in case of 5% value BG. Validity will be till delivery period plus warranty period for 10% value BG. Claim period will be additional one month for both cases.	We hereby request to consider as PBG @5% of PO/WO instead of Rate contract.	PBG will be as per as per DISCOM specific RC value that needs to be submitted within 21 days from RC Issue.
3	SCC 7.1/NIT/Page no. 17 & GCC 6.1-Services page 1	Terms of Payment: On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of TP Central Odisha Distribution Limited to Invoice Desk. The payment shall be released within 45 days from the date of submission of certified bills/ invoices	We understand that TPCODL/TWODL/TPNODL/TPSODL is registered itself with TReDS platform and request to process our bills through this platform in compliance with MSME norms. Further ,pls. confirm that 100% payment shall be on PRO-RATA basis. Pls. confirm.	Invoice will be in the name of the respective DISCOM name that to be mentioned in the RO. The payment will be released within 45 days from the date of invoice certification after complete I&CT. In case of Bill discounting, it will be respective discom's discretion at the time of payment.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
4	SCC 7.3/NIT/Page no. 17	7.3 Payment Terms On delivery of the material in good condition and certification of acceptance by certified officials Associates shall submit the bills/Invoice in original in name of respective discoms. The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices.	We understand that Payment terms mentioned in Clause no. 7.1 superceds clause 7.3 Pls. confirm.	Invoice will be in the name of the respective DISCOM name that to be mentioned in the RO. The payment will be released within 45 days from the date of invoice certification after complete I&CT.
5	GCC 3.1 of both Supply & Services/Page 4	On receipt of the contract, the associate shall return to TPCODL copy of the contract document duly signed by legally authorized representative of associate, within two days of Effective Date of Contract for contracts having contract execution time less than 30 days and within five days for all other contracts.	It is requested to consider 30(thirty)days instead of two days on receipt of the contract, the associate shall return to TPCODL copy of the contract document duly signed by legally authorized representative of associate.	It will be as per NIT. During Pre-bid queries all commercial and technical ambiguity must be settled. After RC, only typo error can be modified.
6	GCC 14.0-Supply & GCC 13.0-Services/Page 15 & 23 respectively	LIQUIDATED DAMAGES a) For supplies which are of standalone use, multiple in quantities and having a single final delivery schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below: For delay of each week and part thereof from the delivery schedule specified in the contract, 1% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.b) For Supplies having phased delivery schedule as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to any of the	It is requested to consider- LIQUIDATED DAMAGES a) For supplies which are of standalone use, multiple in quantities and having a single final delivery schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below: For delay of each week and part thereof from the delivery schedule specified in the contract, 0.5% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 5% of the total contract value. b) For Supplies having phased delivery schedule as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to	It will be as per NIT.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
7	GCC Supply/GCC Clause 14.0/15	<p>a) For supplies which are or standalone use, multiple in quantities and having a single final delivery schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below: For delay of each week and part thereof from the delivery schedule specified in the contract, 1% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.</p> <p>b) For Supplies having phased delivery schedule as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below: For the purpose of calculating and applying LD, each delivery lot shall be considered separately. For delay of each week and part thereof from the</p>	<p>Pls. accept Liquidated damages : 0.50% of basic price for every week delay subject to maximum of 5% of total PO/WO value of undelivered units/ remaining work</p>	It will be as per NIT.
8	NIT Document/Clause 1.7 (i)/10	The bidder should have Valid Electrical Contractor License issued by Govt of Odisha to execute the electrical works in Odisha. In case bidder is not having this License, Bidder shall submit an undertaking that in case they are the successful bidder, same shall be obtained by them before execution of contract by TATA Power. (It is applicable for SITC jobs).	The bidder or his erection associate should have Valid Electrical Contractor License issued by Govt of Odisha or any other state in India to execute the electrical works in Odisha. Please accept our request.	The bidder or its erection associate should have Valid Electrical Contractor License issued by Govt of Odisha to execute the electrical works in Odisha. In case bidder is not having this License, Bidder shall submit an undertaking that in case they are the successful bidder, same shall be obtained by them before execution of contract by TATA Power. (It is applicable for SITC jobs).
9	NIT Document/Clause 3.5 /14	Period of Validity of Bids: Bids shall remain valid for 180 days from the due date of submission of the bid. Notwithstanding clause above, the TPCODL/TPWODL/TPNODL/TPSODL may solicit the Bidder's consent to an extension of the Period of Bid Validity.	Period of Validity of Bids: Bids shall remain valid for 90 days from the due date of submission of the bid as the considering the volatile business scenario, OEM's are not holding prices for more than 60 days. Please accept our request.	Will be as per NIT Documents.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
10	GCC Supply/Clause 7.1/16	Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 30 days of issuance of purchase order. PBG applicable shall be @ 5% of Rate Contract Value or 10% of PO Value. value BG. Validity will be till delivery period plus warranty period for 10% value BG. Claim period will be additional one month for both cases. Validity of BG shall be till expiry date of PO plus delivery period plus warranty period in case of 5%	It is requested to consider Performance Bank Guarantee amount @3% of contract value instead of @5% inline to the guidelines of the GOI vide notification # No. F.9/4/2020-PPD dt. 12.11.2020, pls. confirm.	Will be as per NIT Documents.
11	NIT/SCC Clause 7.1/17	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later.	Delivery period for supply of goods shall be 150 days from date of receipt of release order / CAT-A issuance, whichever is later. Our product is coming from Korea hence there is a transit period subject to availability of vessel, container & route clearance etc. So, we request customer to accept our proposal	Delivery period for supply of goods shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later.
12	NIT/SCC Clause 7.1 & Payment Terms Clause 7.3/17	<p>Terms of Payment: On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of TP Central Odisha Distribution Limited to Invoice Desk. The payment shall be released within 45 days from the date of submission of certified bills/ invoices.</p> <p>7.3 Payment Terms On delivery of the material in good condition and certification of acceptance by certified officials Associates shall submit the bills/Invoice in original in name of respective discoms. The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices.</p>	<p>The payment days in both the statements are different. Being an MSME we would request to release the 100% payment within 45 days of invoice date. Please clarify the payment terms on both supply &amp; ITC separately.</p>	The Payment shall be released within 45 Days from the date of Submission of certified bills/invoices from the complet I& CT.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
13	Page No 2 of 15	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store of 11kV Pole mounted Autorecloser complete with all accessories and necessary training for efficient and trouble free performance.	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store of 11kV Pole mounted Autorecloser complete with all accessories and necessary training for efficient and trouble free performance. Unloading at site or stores shall not be in suppliers scope. We are assuming training means product know how and basic trouble shooting information only.	The detail Scope of work will be including supply, installation, testing and commissioning. Total SITC works. Unloading is under BA's Scope.
14	Page No 2 of 15	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store of 11kV Pole mounted Autorecloser complete with all accessories and necessary training for efficient and trouble free performance.	This means supervision of erection & commissioning shall not be in BA's scope.	It will be complete SITC works . So it will be under BA's scope.
15	1.1; 7 of 24	Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store, Installation and commissioning and performance of 11kV Pole Mounted Auto recloser and Sectionalizer with all accessories and necessary training for trouble free & efficient performance.	Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store, <del>Installation and commissioning and performance</del> of 11kV Pole Mounted Auto recloser and Sectionalizer with all accessories and necessary training for trouble free & efficient performance. The scope shall be limited for supply only. Installation & commissioning shall not be in supplier's scope. Since OEM's are not specialised in service activities such as ETC hence same shall not be in their scope. Please remove "performance" from scope.	It will be as per NIT documents.
16	1.7.f, 9 of 24	Bidder should have adequate & experienced resources to ensure proper design, engineering, project management, site supervision, quality control and safety practices. Bidder should submit the undertaking in this regard.	Bidder should have adequate & experienced resources to ensure proper design, engineering, project management, <del>site supervision</del> , quality control and safety practices. Bidder should submit the undertaking in this regard. Since OEM's are not specialised in service activities such as ETC hence same shall not be in their scope.	It will be as per NIT documents.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
17	1.7.i, 10 of 24	The bidder should have Valid Electrical Contractor License issued by Govt of Odisha to execute the electrical works in Odisha. In case bidder is not having this License, Bidder shall submit an undertaking that in case they are the successful bidder, same shall be obtained by them before execution of contract by TATA Power. (It is applicable for SITC jobs).	Please remove said clause. Since OEM's are not specialised in service activities such as ETC hence same shall not be in their scope.	It will be as per NIT documents.
18	2.1, 11 of 24	Price Basis: Price will be fixed and firm during the contractual period.	Price Basis: Price will be Variable with base date of June 2023. Looking into current uncertainty in global supply chain, since the prices needs to be kept valid for a period one year hence request TPCODL to consider variable prices with base date of June 2023 This will help bidders to offer most competative rates.	Price will be fixed and firm and will be as per NIT documents.
19	3.9, 14 of 24	The type tests specified in TPCODL 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.	The type tests specified in TPCODL specifications should have been carried out within TEN years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. Type test reports conducted withing 10 years from the date of technical bid opening shall be acceptable. This is inline with CEA gidelines	Will be as per NIT Documents.
20	7.1, 17 of 24	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later	Delivery period shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later . Looking into the current issue going on with semiconductors globally, request TPCODL to accept delivery period of 120 days. The delivery shall also be linked to drawing approval since without the same manufacturing can not be started. Please cap the lot size to 40 nos. which will help for smooth planning & execution	Delivery period for supply of goods shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later.
21	7.3, 17 of 24	The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices.	The Payment shall be released within 45 Days from the date of Submission of certified bills/invoices. Two different payment terms mentioned on same page. Please consider 45 days payment cycle.	The Payment shall be released within 45 Days from the date of Submission of certified bills/invoices after complete I&CT.
22	9, 18 of 24	General Condition of Contract	GCC for TPNODL/TPCODL/TPWODL/TPSOD L are attached separately, please confirm which GCC to be refered.	Respective supply to respective discom will be abided by repective Dicom's GCC. As an Example:- if supply will be to TPCODL, TPCODL's GCC has to be adhered. For bidding purpose all GCCs will be adhered.



Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
23	Annexure I; Price Schedule , 19 of 24	Note viii : Quantities mentioned above is for evaluation purpose only and not guaranteed. Quantities may change as per actual requirements.	Note viii : Quantities mentioned above is for evaluation purpose only and not guaranteed. Quantities may vary $\pm$ 10%. Quantity variation should be limited to + 10% only	Will be as per NIT Documents.
24	Annexure I; Price Schedule, 20 of 24		GCC for TPNODL/TPCODL/TPWODL/TPSOD L are attached separately, please confirm which GCC to be referred.	Respective supply to respective discom will be abided by respective Dicom's GCC. As an Example:- if supply will be to TPCODL, TPCODL's GCC has to be adhered. For bidding purpose all GCCs will be adhered.
25	GCC	GCC for TPNODL/TPCODL/TPWODL/TPSOD L are attached separately, please confirm which GCC to be referred.		Respective supply to respective discom will be abided by respective Dicom's GCC. As an Example:- if supply will be to TPCODL, TPCODL's GCC has to be adhered. For bidding purpose all GCCs will be adhered.
26	7.1. Special Conditions of Contract Page 17	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later	Now a days supply chain is not normalised yet across world after Russian-Ukraine war. so request you kindly ammend delivery time 90 days+	Delivery period for supply of goods shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later.
27	7.1. Special Conditions of Contract Page 17 7.3 Payment Terms	<p><b>Terms of Payment: Page 7.1. Special Conditions of Contract</b> On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of TP Central Odisha Distribution Limited to Invoice Desk. The payment shall be released within 45 days from the date of submission of certified bills/ invoices.</p> <p><b>7.3 Payment Terms</b> On delivery of the material in good condition and certification of acceptance by certified officials Associates shall submit the bills/Invoice in original in name of respective discoms. The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices</p>	Supply Payment for 45 days is acceptable & IT&C payment terms not mentioned please clarify	The Payment shall be released within 45 Days from the date of Submission of certified bills/invoices after complete I&CT.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
28	NIT Document/Clause 1.7 (i)/10	The bidder should have Valid Electrical Contractor License issued by Govt of Odisha to execute the electrical works in Odisha. In case bidder is not having this License, Bidder shall submit an undertaking that in case they are the successful bidder, same shall be obtained by them before execution of contract by TATA Power. (It is applicable for SITC jobs).	The bidder should have Valid Electrical Contractor License issued by Govt of Odisha or any other state in India to execute the electrical works in Odisha.	Will be as per NIT Documents.
29	NIT/SCC Clause 7.1/17	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later.	Delivery period for supply of goods shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later. Our product is coming from Australia considering the transit period also, we request to accept our proposal	Delivery period for supply of goods shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later.
30		<p>Exclusion of Consequential Damages : Notwithstanding any other provision to the contrary, in no event shall ABB, its suppliers, sub-contractors, employees and Affiliates, be liable under this contract for any loss of profits, loss of use, loss of production, loss of contracts, loss of data or any indirect or other consequential losses/damages, whether in contract, warranty, tort, negligence, strict liability or caused otherwise.</p> <p>Notwithstanding anything contained in this Contract/PO and/or any of its parts, it is agreed between the parties hereto that the aggregate cumulative liability of the ABB under this Contract/PO (regardless whether the claim is based upon tort, negligence or strict liability) resulting in any way from the performance or non-performance, all indemnities, liabilities, loss, damages, expenses, claims, direct damages risk purchase etc. shall not exceed 100% of the Contract value/PO value.</p>	Looking into the current crisis going	<p>Will be as per NIT Documents.</p> <p>Will be as per NIT Documents.</p>

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
	Limited Liability	The parties are aware of the shortage of raw material, electronic components worldwide which is likely to last for the foreseeable future, as well as of market fluctuations in the availability and cost of other raw materials, commodities, other critical components, and transport capacities. Notwithstanding anything to the contrary in the contract/terms and conditions/purchase order, if after the date of ABB's proposal/offer or during the term of the performance of the contract/purchase order there are any changes to availability and/or market conditions for electronic components, raw materials, commodities, and transportation capabilities directly or indirectly affecting ABB's performance, ABB shall be entitled to relief in the schedule of the performance or delivery of the directly or indirectly affected scope of work under the contract/purchase order. In such circumstances ABB may not be able to comply with the originally agreed delivery or completion schedule and that ABB shall not be liable for any liquidated or actual damages in connection thereto.	on with global supply chain request you to kindly include the said clause.	Will be as per NIT Documents.

**FORMAT F.1**

**Format for Query / Clarification / Deviation (QCD)**

Tender No TPCODL/CCG/23-24/018

Package Name Rate Contract for SITC of 11kV and 33 kV Auto Recloser and Sectionalizers for TPCODL/TPNODL/TPWODL

Bidder :

Note : The said format to be used only for any Pre-bid Query / Clarification/ Deviation on any of the Tender documents

Sr. No.	Detailed Reference to concerned Document Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
1	2	3	4	5
1	1	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store of 33kV,800A/16KA & 1200A/20KA Pole Mounted Auto recloser complete with all accessories and necessary training for efficient and trouble-free performance.	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store of 33kV, 1200A, 16KA Pole Mounted Auto recloser complete with all accessories and necessary training for efficient and trouble-free performance. Our standard product rating is 33kV, 1200A, 16KA only. Please refer enclosed technical clarification for STC level (why it can not be 20KA) in recloser.	Shall be as per technical specification
2	3.1	Max. altitude above sea level : 1200m	Max. altitude above sea level : 1000m 33kV Autorecloser shall be suitable for altitude of 1000m only	Noted
3	3.15	Wind Pressure : 300kM/hr	Wind Velocity : 180 km/hr As per IS 875-3 (1987) appendix A the basic wind speed at 10 meter height (where autoecloser is getting mounted) for Bhubaneshwar is 50 meter per second.	Shall be as per technical Specification
4	4.2	Rated short time current withstand : 20KA for 3 sec	Rated short time current withstand : 16KA for 3 sec Our standard product rating is 33kV, 1200A, 16KA only. Please refer enclosed technical clarification for STC level (why it can not be 20KA) in recloser.	Shall be as per technical specification
5	4.29	Manual tripping handle/ stick to be provided for operation suitable from standard operating height.	Provision for manual tripping (handle) shall be provided on HV cabinet, however stick required for the same shall not be in ABB's scope of supply.	Shall be as per technical specification
6	4.31	CT Accuracy : Upto 1200A±0.5%	CT shall be of fixed ratio of 600/1A with accuracy of 5P10 Since the CT's are used for protection purpose hence same shall have accuracy class of 5P10. Recloser CT are not meant for metering purpose. Our inbuilt CT of 600/1 A is suitable for detecting current (for protection) up to 1.2 Amp. Same shall be sufficient for said requirement.	CT accuracy shall be 5P10
7	4.42	Shielded Control cable for connection from pole top unit to controller cabinet should be provided with minimum length of 7 meter.	Shielded Control cable for connection from pole top unit to controller cabinet should be provided with minimum length of 6 meter. Length of control cable shall be 6 meters.	shall be as per technical specification
8	4.42	Controller must have at least one TCP/IP Ethernet port to / for communication with master station over IEC-60870-5- 104 & MQTT.	Controller must have at least one TCP/IP Ethernet port to / for communication with master station over IEC-60870-5- 104.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
9	4.42	Controller must have at least one TCP/IP Ethernet port to / for communication with master station over IEC-60870-5- 104 & MQTT.	Controller must have at least one TCP/IP Ethernet port to / for communication with master station over IEC-60870-5- 104.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
10	4.42	Support IEC - 60870-5-104 & MQTT for communicating with master station. Shall also support SFTP protocol to transfer disturbance record to remote server.	Support IEC - 60870-5-104 for communicating with master station. Shall also support SFTP protocol to transfer disturbance record to remote server.	No deviation is accepted. Support IEC - 60870-5-104 & MQTT for communicating with master station. Shall also support SFTP protocol to transfer disturbance record to remote server.
11	4.42	Event storage in internal memory of controller as below:	Event storage in internal memory of controller shall be 1024 events.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
12	4.44	The bidder should provide necessary support for integration of field device with TPCODL SCADA/ADMS/DA	The bidder should provide necessary support for integration of field device with TPCODL SCADA/ADMS/DA. The support can be provided through remote or physical presence at site. Remote support for integration shall also be accepted.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Necessary configuration, SCADA integration & testing of all the Auto Recloser with Modem at sites is in the scope of Bidder. 3. Purchaser will only do the necessary configuration in the Control Centre SCADA and will extend support during remote testing.
13	5.2.ii	Indicating LEDs shall be provided by the bidder: a)Open (Separate LED) b)Close (Separate LED) c)Over current pickup with phase & ground indication d) Lockout e)Unit status f)Two user programmable LEDs g)Contact & breaker health status h)Battery & battery charger health status	Indicating LEDs shall be provided by the bidder: a)Open (Separate LED) b)Close (Separate LED) c)Over current pickup with phase & ground indication d) Lockout e)Unit status f)Two user programmable LEDs <del>f)Contact &amp; breaker health status</del> g)Battery & battery charger health status AR healthy indication shall be provided instead of contact and breaker health status.	Shall be as per technical specification
14	5.2.iii	j) Minimum TMS settings for IDMT element shall be 0.01 for better relay co-ordination with upstream breaker. K) The high set/definite time delay shall have minimum 20ms setting.	j) Minimum TMS settings for IDMT element shall be 0.05 for better relay co-ordination with upstream breaker. K) The high set/definite time delay shall have minimum 40ms setting.	Shall be as per technical specification
15	5.2.iv	Following metering capabilities shall be provided by the bidder which shall be monitored from local & remote (through SCADA): a. Current - phase and neutral b. Voltage - phase-phase and phase-neutral c. Kilowatts - single and three-phase d. Kilowatt-hours - single and three-phase e. Kilovars - single and three-phase f. Power factor g. Frequency h. Positive, negative and zero sequence current i. Positive, negative and zero sequence voltage a. Load profile, current, voltage and power	The below mentioned measurement options are available in the relay:- a. Three-phase current measurement b. Sequence current measurement c. Residual current measurement d. Three-phase voltage measurement e. Sequence voltage measurement f. Three-phase power and energy measurement g. Single-phase power and energy measurement h. Frequency measurement i. Load profile record	Shall be as per technical specification
16	8	Type tests shall have been conducted in certified Test laboratories during the period not exceeding 5 years from the date of opening the bid.	Type tests shall have been conducted in certified Test laboratories during the period not exceeding 10 years from the date of opening the bid. Type test reports conducted withing 10 years from the date of technical bid opening shall be acceptable. This is inline with CEA guidelines	As per CEA 2021 Guideline Distribution System 33kV & Below
17	11	In the event any defect is found by the TPCODL/TPNODL/TPSODL/TPWODL up to a period of at least 48 months from the date of commissioning or 60 months from the date of last supplies made under the contract whichever is earlier.	In the event any defect is found by the TPCODL/TPNODL/TPSODL/TPWODL up to a period of at least 48 months from the date of commissioning or 60 months from the date of last supply made under the contract whichever is earlier. The warrantee of equoment shall be linked with individual supply date instead of last supplies made under contract.	As per technical specification

Sr. No.	Detailed Reference to concerned Document - Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
18	11	TPCODL/TPNODL/TPSODL/TPWODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL/TPNODL/TPSODL/TPWODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be.	TPCODL/TPNODL/TPSODL/TPWODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL/TPNODL/TPSODL/TPWODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be. Only actual incurred expenses shall be recovered.	Shall be as per technical specification
19	11	In case of GP Failure, BA shall report at site within 48 hours from intimation and arrange for rectification of fault within a mutually agreed time.	In case of GP Failure, BA shall respond to complaint within 48 hours from intimation and arrange for rectification of fault within a mutually agreed time.	Shall be as per technical specification
20	14	To ensure proper operation of Product the bidder shall provide onsite training of TPCODL/TPNODL/TPSODL/TPWODL teams as and when required.	To ensure proper operation of Product the bidder shall provide onsite training of TPCODL/TPNODL/TPSODL/TPWODL teams during installation & commissioning of 1 <sup>st</sup> lot of supplied reclosers. Training shall be provided by service engineer visiting TPCODL/TPNODL/TPSODL/TPWODL for supervision of erection & commissioning of supplied reclosers only. Training can not be given as and when required.	Shall be as per technical specification
21	14	To ensure quality of installations bidder shall provide supervision support during impartation.	Please specify exact no of man days to be considered for supervision per reclosers.	1 Man day per Equipment
22	18	Bidder shall ensure availability of recommended spares for 15 years from the date of commissioning.	Bidder shall ensure availability of recommended spares for 10 years from the date of supply or commissioning, whichever is earlier.	Shall be as per technical specification
23	ENG-EHV-1047; Clause 2 (j); Page 2 of 22;	IEC 61869-2 / IS 2705 - Current Transformers	As per BIS Website, IS 2705 is withdrawn. Please clarify.	Noted
24	ENG-EHV-1047; Clause 2 (k); Page 2 of 22;	IEC 61869-3/ IS 3156 - Voltage Transformers	As per BIS Website, IS 3156 is withdrawn. Please clarify.	Noted
25	ENG-EHV-1047; Clause 4 (23); Page 4 of 22;	Operating sequence/Duty: O-0.2s-CO-2s-CO-2s-CO	As per Cl. 5.104 of IEC 62271-111, the rated operating sequence is: O-0.5s-CO-2s-CO-5s. We will type test our AR only as per IEC 62271-111.	Shall be as per technical specification
26	ENG-EHV-1047; Clause 4 (29); Page 5 of 22;	Provision of Manual Operation with accessible handle: To be provided by bidder	Only manual trip & lock-out is possible. Manual Closing is not possible.	Shall be as per technical specification
27	ENG-EHV-1047; Clause 4 (40a); Page 5 of 22;	Auxiliary PT Details: Type - Resin cast PT double pole	We propose single pole design. Please accept.	Shall be as per technical specification
28	ENG-EHV-1047; Clause 4 (40a); Page 5 of 22;	Voltage ratio - 33kV/230V	We propose a Voltage Ratio of 33kV/Root 3 / 230V. Please accept.	shall be as per technical specification
29	ENG-EHV-1047; Clause 4 (40a); Page 5 of 22;	Burden - 100VA	We propose a Burden of 250VA. Please accept.	As per technical specification, however better can be accepted
30	ENG-EHV-1047; Clause 4 (40a); Page 6 of 22;	PT earthing shall be inside the AR control panel.	We presume this to be PT Secondary Earthing. Please confirm.	Yes
31	ENG-EHV-1047; Clause 4 (42); Page 6 of 22;	Controller Cabinet: The control panel should have inbuilt firmware in hardware or relay with feature that the same control panel can be used for Autorecloser & sectionalizer with reprogramming of firmware. The firmware updates and reprogramming for ACR tutorials should be provided by bidder.	We are not aware of any such product available in the market. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore
32	ENG-EHV-1047; Clause 4 (42); Page 6 of 22;	Shielded Control cable (FRLS type) for connection from pole top unit to controller cabinet should be provided with length of around 7 meter	We propose to use Armoured Control Cable instead of Shielded Control Cable. Please accept the same.	shall be as per technical specification
33	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	Communication protocol - The controller should be supplied with IEC104 protocol and proprietary protocol is not accepted.	We presume that IEC 104 protocol is actually IEC 60870-5-104 protocol. Please confirm.	Bidder's understanding is inline with RFP.
34	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	The unit shall include "flash" boot loader that will support re-programming of the main control unit firmware via RS232 serial port / Ethernet port	We are not aware of any such product available in the market. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore
35	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	32 bit ARM Core CPU operating @ minimum 450 MHz RAM-64 MB	We are not aware of any such product available in the market. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore
36	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	Controller must have External DO contact (to capture ON/OFF Status.)	ON/OFF Status will be extended through auxiliary contacts of the recloser.	Shall be as per technical specification
37	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	Controller must have at least one TCP/IP Ethernet port to for communication with master station over IEC-60870-5- 104 &MQTT Without external protocol converter	We are not aware of any controller with MQTT. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore
38	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	Support IEC - 60870-5-104 and MQTT for communicating with master station. Preferably support FTP protocol to transfer disturbance recorder to remote server	We are not aware of any controller with MQTT & FTP. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore
39	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	Device should support periodic data reporting configurable from 2 second to 1 hr interval and spontaneous data as well. Digital data should have higher priority than Analog data. The dead band for reporting Analog data by exception shall be initially set to 1% (in 1%) of full scale value. Multi-Master reporting: 5 masters with single CSADU.	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore
40	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	Cyber security- User level authentication, Disabling the DNS, Disabling/enabling/configurable TCP/ UDP port, PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to Controller	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore
41	ENG-EHV-1047; Clause 4 (42); Page 7 of 22;	Event storage in internal memory of controller: Measurement event-10000 System Event- 1000 Alarm Event- 1000 Normal event- 5000	Our controller has got: i) control (On, Off, Trip) event and diagnosis event up to 30,000 cases in time sequence and ii) various fault information (occurred time, type of fault, operation relaying element) during distribution line accidents up to 1024 cases in time sequence.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
42	ENG-EHV-1047; Clause 4 (43); Page 7 of 22;	Modem/Router	This is NOT in our scope	Modem/Router is in the scope of Bidder
43	ENG-EHV-1047; Clause 4 (44); Page 8 of 22;	The bidder should provide necessary support for integration of field device with TPCODL / TPNODL / TPSODL/ TPWODL SCADA/ ADMS/ DA	Our scope is limited to providing the memory map of the controller.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Necessary configuration, SCADA integration & testing of all the Auto Recloser with Modem at sites is in the scope of Bidder. 3. Purchaser will only do the necessary configuration in the Control Centre SCADA and will extend support during remote testing.
44	ENG-EHV-1047; Clause 5.2 (ii) (f); Page 9 of 22;	Two user programmable LEDs	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	Reputed OEMs are having this facilities, Please explore
45	ENG-EHV-1047; Clause 5.2 (ii) (g); Page 9 of 22;	Contact & breaker health status	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	Reputed OEMs are having this facilities, Please explore
46	ENG-EHV-1047; Clause 5.2 (iii) (f); Page 9 of 22;	Switching over from one protection group to another with power flow direction -Automatically	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	Reputed OEMs are having this facilities, Please explore
47	ENG-EHV-1047; Clause 5.2 (iii) (j); Page 9 of 22;	Minimum TMS settings for IDMT element shall be 0.01 for better relay co-ordination with upstream breaker.	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	Reputed OEMs are having this facilities, Please explore
48	ENG-EHV-1047; Clause 5.2 (iv) (j); Page 9 of 22;	Load profile - Current, Voltage & Power	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	Reputed OEMs are having this facilities, Please explore

Sr. No.	Detailed Reference to concerned Document - Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCOOL Response
49	ENG-EHV-1047; Clause 5.2 (v); Page 9 of 22;	Control shall operate on GPRS 4G/RF technology	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	Reputed OEMs are having this facilities, Please explore
50	ENG-EHV-1047; Clause 5.2 (v) (a); Page 9 of 22;	Load profile, current, voltage , power for all three phases	Load Profile not available in our controller	Reputed OEMs are having this facilities, Please explore
51	ENG-EHV-1047; Clause 5.2 (v) (b); Page 10 of 22;	Peak demand current, voltage & Power values	Peak Voltage not available in our controller	Reputed OEMs are having this facilities, Please explore
52	ENG-EHV-1047; Clause 5.2 (vi) (b); Page 10 of 22;	On Front panel-RS232 Port/ RJ485 / Ethernet	Front Port will be a USB Port only in our controller	Noted
53	ENG-EHV-1047; Clause 5.2 (vi) (c); Page 10 of 22;	Remote RJ485 port-The RJ 485 must have the capability for multi-drop connectivity.	Remote Port will be a RS232C Port only in our Controller	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
54	ENG-EHV-1047; Clause 5.2 (vi) (d); Page 10 of 22;	Radio RS232 Port. The port must include RTS/CTS handshaking for direct connection to a radio & delayed message flow control	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore.
55	ENG-EHV-1047; Clause 5.2 (vi) (e); Page 10 of 22;	TCP/IP Ethernet Port- 2 nos. One must be engineering port	We are not aware of any controller with these features. Please suggest make and model of any similar product that you are already using for the purpose.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. Reputed OEMs are having this facilities, Please explore.
56	<b>Specification No: ENG-EHV-1047</b> <b>Specification Name: Technical</b> <b>Specification for 33 kV,800A/16kA &amp; 1200A/20kA Pole Mounted Auto recloser Pg No-11</b>	<b>Continuous current tests</b>	Our Device is tested under IEC 62271-111-2012 standard. This test is not required as per this standard. This test was included in IEC 62271-111-2019. However this test covers under temperature rise test. Therefore requesting you to kindly consider temp-rise test for the said test. Kindly clarify.	Temperature rise test at rated current shall be accepted
57	<b>Specification No: ENG-EHV-1047</b> <b>Specification Name: Technical</b> <b>Specification for 33 kV,800A/16kA &amp; 1200A/20kA Pole Mounted Auto recloser</b> <b>Clause No 7.1.6 Pg No-11</b>	<b>Additional tests on auxiliary and control circuits</b>	This test is not required by IEC 62271-111 Std, nor mandatory test item to perform. Please refer	Shall be as per technical specification,justification required
58	<b>Specification No: ENG-EHV-1047</b> <b>Specification Name: Technical</b> <b>Specification for 33 kV,800A/16kA &amp; 1200A/20kA Pole Mounted Auto recloser</b> <b>Clause No. 7.1.10 Pg No-11</b>	<b>Low current tests</b>	Our Device is tested under IEC 62271-111-2012 standard. This test is not required as per this standard. This test was included in IEC 62271-111-2019. However as per IEC 62271-111-7.103 and CPRI stated, this test is subjected to be considered only if interrupting duty and Short circuit test are in question. Kindly clarify.	Shall be as per technical specification,justification required
59	<b>Specification No: ENG-EHV-1047</b> <b>Specification Name: Technical</b> <b>Specification for 33 kV,800A/16kA &amp; 1200A/20kA Pole Mounted Auto recloser</b> <b>Clause No 7.1.15 Pg No-11</b>	<b>Thermal runaway test</b>	Our Device is tested under IEC 62271-111-2012 standard. This test is not required as per this standard. This test was included in IEC 62271-111-2019. However as per IEC 62271-111-7.113 and also CPRI stated this test is subjected to be considered only if Mechanical Endurance and Temp Rise tests are in question. Kindly clarify	Shall be as per technical specification,justification required
60	<b>Specification No: ENG-EHV-1047</b> <b>Specification Name: Technical</b> <b>Specification for 33 kV,800A/16kA &amp; 1200A/20kA Pole Mounted Auto recloser</b> <b>Page No. - Page 6 of 22</b> <b>Clause No.4.42 -Control Cabinet</b>	<b>The controller should monitor battery voltage and provide alarm if the voltage falls below 21V and cut-off at 18 V</b>	(Providing battery monitoring and protection as follows :- Battery alarm when battery voltage drops to less than 22.5 V - Automatic disconnection between battery and control circuit when battery voltage drops to less than 21.5 V	As per technical specification, however better can be accepted
61		<b>Sectionalizer Specifications</b>	In shared Documents there is no Sectionalizer technical specifications found. our Auto recloser and Sectionalizer are two independent/individual device and hence specification may be different. Moreover, Our sectionalizer is SF6 gas operated device. Therefore kindly share the sectionalizer specification separately.	In our practice we use the same equipment as Autoreclosure & Autosectionalizer so that we can use these equipments interchangeably. For isolation we will be installing an Isolator at the location of Auto recloser & Sectionalizer
62	NIT/Submission of Bid Documents Clause 3.9/14	The type tests specified in TPCODL/TPNODL/TPSODL/TPWODL 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.	The type tests specified in TPCODL/TPNODL/TPSODL/TPWODL specifications should have been carried out within ten years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. There is no change in design of the product for last ten years, we request the customer to accept our proposal	As per CEA 2021 Guideline Distribution System 33kV & Below
63	ENG-EHV-1047 Technical Specification for 11kV Pole Mounted Autorecloser/Technical Specification 4.35 General Technical Requirement	Voltage sensor for metering and protection: Accuracy up to 12kV +0.5%	Capacitive Voltage Sensors Embedded inside the Epoxy on each bushing Accuracy: +/-5 %	Shall be as per technical specification
64	ENG-EHV-1047 Technical Specification for 33 kV Pole Mounted Auto recloser/4 General Technical Requirement/7	Controller Cabinet: Communication protocol- The controller should be supplied with IEC-60870-5-104 and MQTT. No other and proprietary protocol is accepted	Our controller can support the protocol IEC-60870-5-104. MQTT will be available using our router/modem.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
65	ENG-EHV-1047 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/6	Controller Cabinet: The control cable shall have IP66/68 rated ingress protection easy plugin and plug out male & female plugs along with cable glands at both ends.	The Control cable with a harthing connector (on tank side) and a military canon Connector are provided	Any design complying to our technical specification can be accepted
66	ENG-EHV-1047 Technical Specification for 33 kV Pole Mounted Auto recloser/4 General Technical Requirement/7	Controller Cabinet: Multi-Master reporting - 5 masters with single CSADU	Our controller supports 2 masters with IEC 60870-5-104 protocol, however multi master reporting-5 masters with single CSADU can be achieved using our router/modem in combination with our controller.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. The controller should support Multi-Master reporting - 5 masters with single CSADU on IEC 104.
67	ENG-EHV-1047 Technical Specification for 33 kV Pole Mounted Auto recloser/4 General Technical Requirement/7	The controller should monitor battery voltage and provide alarm if the voltage falls below 21V and cut-off at 18 V	We use a 12 V, 26 Ah battery in our controller. The Battery Shutdown is based on the Battery capacity and this can be set in the controller.	Shall be as per technical specification
68	ENG-EHV-1047 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Cyber security- User level authentication, Disabling the DNS, Disabling/enabling/ configurable TCP/ UDP port, PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to Controller	All settings are password protected except for those accessible using the Fast Keys. A request to enter the password is automatically generated when the user tries to edit protected parameters for the first time after switching the Panel ON.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
69	ENG-EHV-1047 Technical Specification for 33 kV Pole Mounted Auto recloser/General Construction /9	c) Indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	The contact wear will be provided as monitoring function in our controller. Instead of LED, the alarm for contact wear will be provided.	Shall be as per technical specification
70	ENG-EHV-1047 Technical Specification for 33 kV Pole Mounted Auto recloser/4 General Technical Requirement/5	33kV GO Switch (Isolator)	Please clarify whether 33kV GO switch will be provided by Tata Power Odisha as mentioned in the TS of 11kV or the same has to be provided by the bidder.	In DISCOM scope of supply i.e. will be provided by Tata Power Odisha

Sr. No.	Detailed Reference to concerned Document - Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCOOL Response
71	Annexure-I for Technical Specification ENG-HV-2017 (11kV Pole Mounted Autorecloser)/GTP of Modem Cum Router/Make & Model	Vendor to provide Make & model of proposed cellular Router. Preferred Make- Teltonika RUT950/ CMS- CS-INMDM- LAN/ABB ARG 600/Any other Reputed Make Note: Make will be finalised during detailed Engineering	we are proposing E214FOCS (Model) LANTRONIX to you, which is a Dual SIM Router/Model & rich in Industrial Protocol with Conversion.	Shall be as per technical specification
72	ENG-HV-1047 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 5. Surge Arrestor	Approved make- Raychem, Oblum, Elpro. (Bidder to mention offered make)	We also manufacturer for LA against your TS so request you to please consider Our Make (ELEKTROLITES Power) for the same.	Shall be as per technical specification
73	Page 7/24 (Clause No. 1.1) - NIT document (TPCODL/CCG/23-24/012)	Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store, installation and commissioning and performance of 33kV Pole Mounted Auto recloser and Sectionalizer with all accessories and necessary training for trouble free & efficient performance.	scope shall be limited to Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store, installation and commissioning and performance of 33 kV Pole Mounted Auto recloser and Sectionalizer and necessary training for trouble free & efficient performance. Below works are not our scope: 1) Pole erection is not in supplier's scope 2) Shutdown will be arranged by Tata Power. Regular basis 6-7 hr shutdown is required from the date of staring erection works except holiday. 3) Tata Power will supply required material (such as PG clamp, insulator, AB cable, earthing power, hardware etc) for installation of Autoreclosers / Sectionalizers 4) Protection setting in FRTU will be done by Tata Power, However we will provide demonstration on protection scheme & automation 5) The material issued from Tata Stores if not installed on same day due to any reason beyond our control shall be responsibility of Tata Power. 6) Once the product is installed , commissioned and handed over to Tata Power, the overall responsibility of such product's maintenance, security and operation shall be with Tata Power. 7) Hydra/Crane/Scaffolding/Froklift/boaring machine for earthing works /Gas welding arrangement not in our scope 8) Earthing pipe & Isolator erection not in our scope	DP Structure will be installed by TP. Installation of AR is in the scope of supplier including the commissioning & testing etc. All necessary mounting accessories for installation od Auto recloser & Sectionalizer shall be in supplier scope.
74	Page 7/24 (Clause No. 1.1) Sub clause A & B against NIT document (TPCODL/CCG/23-24/012)	Requirement : 11kV Autorecloser: 68 nos. 11kV Sectionalizer: 111 nos. 33kV Autorecloser: 10 nos. 33kV Sectionalizer: 30 nos.	We have received only vacuum based Autorecloser specification for 11kV & 33kV. But there is no specification for Sectionalizer. Kindly confirm the insulation medium of Sectionalizer. As a proven global practice, Sectionalizers are designed with SF6 Gas medium and not with vacuum. Primary reason for not using vacuum as insulating media for Sectionalizer is as below: In case of a leak, although with full gap, the vacuum interrupter cannot withstand the system voltage. Hence, from safety point of view, vacuum based device is never used for isolation purpose. Therefore, a sectionalizer using vacuum interrupters is not recommended globally. Sectionalizer is also supposed to isolate the circuit. An SF6 gas based Sectionalizer performs the dual role of current interruption and circuit isolation.	In our practice we use the same equipment as Autoreclosure & Autosectionalizer so that we can use these equipments interchangeably. For isolation we will be installing an Isolator at the location of AR & ASR.
75	Page 17/24 (Clause No. 7.1) Sub clause A & B against NIT document (TPCODL/CCG/23-24/012)	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later	Request to give minimum 90-120 days delivery period from the date of drawing approval due to shortage of electronic components worldwide	CCG to reply
76	Page 12/22 (Clause 7.3) Acceptance test	d) Partial discharge test	Individual pole partial discharge test can be conducted during manufacturing stage. Tata Power can inspect partial discharge test during stage inspection. After complete assembly partial discharge test is not possible.	Shall be as per technical specification
77	Clause No. 23 (Page 4 of 22)	O-0.2s-CO-2s-CO-2s-CO (Duty cycle and the recloser delay time shall be programmable at site and remotely)	recloser is suitable for O-0.2s-CO-2s-CO-2s-CO & Duty of delay time shall be programmable at site and remotely. But type test report of 33kV Recloser is as per IEC62271-111 (O-0.5s-CO-2s-CO-5s-CO)	shall be as per technical specification
78	Clause No. 39a (Page 5 of 22)	33kV GO Switch (Isolator) - Kindly refer attached specification no ENG-EHV-1019.	Please confirm whether supply of 33kV Isolator is in our scope or not	In DISCOM scope of supply i.e. will be provided by Tata Power Odisha
79	Clause No. 42 (Page 6 of 22)	The controller shall have battery having capacity of minimum 20 complete operations and 48Hrs of backup which shall be charged by a temperature compensated charging circuit, allowing the battery to charge at an optimal rate to extend battery life.	Normally VRLA C20 Battery is meant for 20 hrs discharge as per attached technical data sheet for 20 Hrs. Hence it is recommended to have a backup of 24 hours.	shall be as per technical specification
80	Clause No. 42 (Page 6 of 22)	RAM-64 MB	The required no. of settings & recordings, logs as per the specifications are well accommodated in memory size as good as 4MB FRAM.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
81	Clause No. 42 (Page 7 of 22)	GPRS 4G/RF Modem to be connected in one Ethernet port for SCADA communication. Preferred modem make Robustel (Dyналog) Modem R2000L ABB Modem-ARG600 (4G)	Request to add Teltonika make also	shall be as per technical specification
82	Clause No. 5.2-i (Page No. 9 of 22)	Push buttons with indications LEDs- Autorecloser blocked or Auto – ON/OFF	Setting for Auto recloser ON/OFF has been already provided in the device.	Noted
83	Clause No.5.2-ii-e (Page No. 9 of 22)	Indicating LEDs shall be provided by bidder – Two user programmable LEDs	All the necessary events / alarms seen by the system have been indicated by dedicated LEDs on front HMI of the device. Requirement & purpose of user programmable LEDs to be clarified.	Noted
84	Clause No.5.2-iii (Page No. 9 of 22)	Protective features n) The fault labels should be easily readable like reclose1, Trip1, High current Lockout, Overload lockout etc. (Bidder to mention the details and get approval before manufacturing of relay )	The Fault Record and Event Record description mentioned in the device clearly indicate the type of fault / event in a simple readable language. Creating customised fault labels can be point of conflict among site engineers.	Noted
85	Clause No.5.2-iv (Page No. 9 of 22)	Metering capabilities shall be provided which shall be monitored through local & remote (using SCADA) Load profile - Current, Voltage & Power	Load profile is usually a feature to be incorporated in SCADA, since large data can be effectively displayed on the SCADA HMI.	No deviation is accepted. Metering capabilities should have load profile of minimum 60 days.
86	Clause No.5.2-v (Page No. 9 of 22)	Control shall operate on GPRS 4G/RF technology & shall have data recording capabilities that be download remotely  a) Load profile, current, voltage , power for all three phases b) Peak demand current, voltage & Power values	Load profile is usually a feature to be incorporated in SCADA, since large data can be effectively displayed on the SCADA HMI.	No deviation is accepted. Metering capabilities should have load profile of minimum 60 days.
87	Clause No. 5.2-vi (Page No. 10 of 22)	Communication Features c) Remote RJ485 port-The RJ 485 must have the capability for multi-drop connectivity. d) Radio RS232 Port. The port must include RTS/CTS handshaking for direct connection to a radio & delayed message flow control.	We understand this as RS485 port & not RJ485 port. Since the required protocols are IEC 104 & MQTT, there is no requirement of using RS232 port & RS485 port with multi-drop connection.	Remote RS485 port-The RS 485 must have the capability for multi-drop connectivity. d) Radio RS232 Port. The port must include RTS/CTS handshaking for direct connection to a radio & delayed message flow control.

Sr. No.	Detailed Reference to concerned Document - Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCOOL Response
88	Spec. ENG-EHV-1047 (page 16/22) Annexure - I (clause 1.1)	Bidder to note that the Make and Model for 24V and 48V Application shall be of same OEM.	Modem is with 9 – 30 VDC, reverse polarity protection; surge protection >31 VDC 10us max	Shall be as per technical specification
89	Spec. ENG-EHV-1047 (page 16/22) Annexure - I (clause 2.3)	1. Modem should support multiband connectivity with FDD 4G LTE & TDD 4G LTE 2. It should support Band 1,3,5,8 and Band 40 3. The offered cellular router should support and compatible to the data & Radio Interface of the Network of Public Mobile Service provider in ODISHA State	Please share the bands required in ODISHA state?	ODISHA has NBSPs/Cellular Operators i.e. BSNL, Airtel, Jio, Vodafone etc. The Proposed Modem should support multiband connectivity with FDD 4G LTE & TDD 4G LTE and support Band 1,3,5,8 and Band 40. Bidder to research the 4G bands in ODISHA and propose the Modem accordingly.
90	NIT/Submission of Bid Documents Clause 3.9/14	The type tests specified in TPCODL/TPNODL/TPSODL/TPWODL 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.	The type tests specified in TPCODL/TPNODL/TPSODL/TPWODL specifications should have been carried out within ten years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. There is no change in design of the product for last ten years, we request the customer to accept our proposal	As per CEA 2021 Guideline Distribution System 33kV & Below
91	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/8. Type Test Certificates/12	Type tests shall have been conducted in certified Test laboratories during the period not exceeding 5 years from the date of opening the bid.	Type tests shall have been conducted in certified Test laboratories during the period not exceeding 10 years from the date of opening the bid.	As per CEA 2021 Guideline Distribution System 33kV & Below
92	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/11. Gaurantee/13	Warranty (48/60 months)	Please clarify warranty months. It should be 48 months from the date of supply.	Shall be as per technical specification
93	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/4	Rated short time current withstand- 20kA for 3 Sec	Our proposal is for 16kA for 3 Sec	Shall be as per technical specification
94	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/4	Rated short circuit Symmetrical breaking/ Interrupting current -20kA	Our proposal is for 16kA	Shall be as per technical specification
95	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/4	Rated Short time Making capacity - 50kAp	Our proposal is for 40kAp	Shall be as per technical specification
96	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/4	Operating sequence/Duty - O-0.2s-CO-2s-CO-2s-CO	We propose the following sequence which is normal for auto recloser operation- O-0.3s-CO-2s-CO-2s-CO	shall be as per technical specification
97	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/5	Voltage sensor for metering and protection: Accuracy up to 36kV +0.5%	Our proposal for RVD (Resistance voltage divider) accuracy is 1% The accuracy of voltage sensor required with 0.5 class according to the technical specifications, but the voltage sensor is not required with high accuracy rate like 0.5 class. We request the customer to accept our proposed accuracy class.	No deviation shall be acceptable from technical specification
98	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/7	Controller Cabinet: Communication protocol- The controller should be supplied with IEC-60870-5-104 and MQTT. No other and proprietary protocol is accepted	Our controller can support the protocol IEC-60870-5-104. MQTT will be available using our router/modem and hence our system as a whole will comply with both protocols. Since MQTT is not a common protocol in distribution line networks. We request the customer to accept our proposal as a whole system for protocols.	No deviation is accepted. Both the Controller & 4G Modem should have support of IEC 104 & MQTT.
99	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/6	Controller Cabinet: The control cable shall have IP66/68 rated ingress protection easy plugin and plug out male & female plugs along with cable glands at both ends.	The plug shall have receptacle for connecting the controller. Please accept our solution.	Any design complying to our technical specification can be accepted
100	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/7	Controller Cabinet: Support IEC - 60870-5-104 & MQTT for communicating with master station. Preferably support SFTP protocol to transfer disturbance record to remote server.	Our controller use FTP-SSL for transferring data instead of SFTP. With our proposed FTP-SSL we can fully comply with technical requirement. We request the customer to accept our proposal.	Noted. Bidder can propose solution based on latest proven technology, and similar system installed elsewhere in last 2 years. Bidder must ensure all the functional requirements as per the RFP are complied by the proposed solution.
101	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/7	Controller Cabinet: Multi-Master reporting - 5 masters with single CSADU	Our controller can support only 2 masters with only IEC 60870-5-104 protocol, however multi master reporting-5 masters with single CSADU can be achieved using our router/modem in combination with our controller, hence we comply this requirement as a whole system. We request the customer to accept our proposal.	1. No deviation is accepted. Bidder to consider the entire scope as per the RFP. 2. The controller should support Multi-Master reporting - 5 masters with single CSADU on IEC 104.
102	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/7	Controller Cabinet: Cyber security- User level authentication, Disabling the DNS, Disabling/enabling/configurable TCP/ UDP port, PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to Controller	We proposed as below. <b>Multi User level authentication:</b> We can provide 3 types of password and each password has different level of setting. Those are 1. Full access, 2. communication access, 3. log deletion function. <b>Disabling the DNS:</b> Our controller doesn't support DNS (Domain Name Server) since it is not applicable to the network. <b>Disabling/enabling/configurable TCP/UDP port</b> Our interface software for controller is developed based on TCP. It doesn't support UDP. And we don't provide disabling function of TCP port since it has to maintains the enabling status for security. <b>Disabling/enabling/configurable PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to controller</b>  For the safe operation of controller, we don't provide "disabling function" for charger failure and battery failure. For controlling & monitoring battery changing/battery voltage, the detecting function for their failure should be maintained. We request the customer to accept our proposal.	1. Bidder to consider all the scope as per the RFP. 2. PT Failure, Charger Failure, Battery Failure/Door lock alarm should be integrated to Controller.
103	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/7	Controller Cabinet: Digital data should have higher priority than Analog data. The dead band shall be user configurable for reporting Analog data by exception shall be initially set to 1 % (in 1%) of full scale value.	The priority function is not applicable to our controller. Since our controller use separate buffer for each digital and analog signal, we don't apply any priority for any data. The priority is only applicable for the system which has only single buffer. In consideration that our controller has advance technology with dual buffer, we request the customer to accept our proposal.	Noted. However in case of single buffer, Bidder to adhere to the requirements as per RFP.



Sr. No.	Detailed Reference to concerned Document , Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCOOL Response
104	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/General Construction Communication Features/10	5.2 Control Panel vi) Communication features to be provided by bidder a) on front panel-USB Port/Ethernet/RS485	Our proposed controller will have USB port on front part of relay and Ethernet/RS485 port on the side part of relay. We request the customer to accept our construction of controller.	Noted.
105	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/General Construction User Interface/10	5.2 Control Panel vii) User interface provided by the bidder g) Switches to disable electronic close & trip operations shall be provided for safety.	We will provide the CONTROL LOCK for this function for this function If control lock is on, all button in the relay will be disabled. This a better solution which can provide the Control Lock function for safety.	Bidder can propose solution based on latest proven technology, and similar system installed elsewhere in last 2 years. Bidder must ensure all the functional requirements as per the RFP are complied by the proposed solution.
106	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/7 Tests/11	7.1 Type Tests 6) Additional tests on auxiliary and control circuits 8) Making current capability 15) Thermal runaway test	The following test are not applicable for auto recloser as per IEC 62271-111 6) Additional tests on auxiliary and control circuits : N/A (The successful completion of the interrupting duty, mechanical endurance test and continuous current test of the main circuit is considered adequate verification of the auxiliary and control circuits) 8) Making current capability (Rated short circuit breaking current test demonstrates this capability. Thus there is no separate test for this.) 15) Thermal runaway test (This test is not required as other means is not specified for relevant test in accordance with IEC 62271-111) We request the customer to accept our proposal.	Shall be as per technical specification, justification required
107	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/7 Tests/12	7.2 Routine Tests d) Tightness Tests	The following test will not be included in routine test since we proposed solid insulated recloser. The below test is for gas insulated recloser. d) tightness test We request the customer to accept our proposal.	Noted
108	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/7 Tests/12	7.3 Acceptance Tests Insulation Resistance Test	Insulation Resistance Test will be excluded since it is not a routine test included in IEC62271-111 standard. We request the customer to accept our proposal.	Shall be as per technical specification
109	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/5	b) Accuracy up to 1200A ±0.5%	Our proposal for accuracy class for CT is as below. (1) For metering: 1.0 %	Noted
110	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/7	The controller should monitor battery voltage and provide alarm if the voltage falls below 21V and cut-off at 18 V	Our controller provides alarm only if the voltage falls to 21V when AC power is on. We request the customer to accept our proposal.	shall be as per technical specification, however batter offer can be acceptable
111	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/7	Minimum Event Storage in internal memory of controller as below Measurement event : 10000 System event : 1000 Alarm event : 1000 Normal event : 5000	Our controller can provide event storage as below S/W Operation Recorder -last 5,000 events Fault Event Recorder -last 1,500 events Fault Waveform (60 cycles× 64 samples) -last 32 events System Event Recorder -last 5,000 events Setting Change Event Recorder -last 2,000 events Load & Energy Recorder - Average Load & Energy –last 8,640 events (Max 360 days) - Peak Load & Energy in every hour –last 8,640 events - Peak Load & Energy in every day –last 8,640 events Diagnostic Event Recorder -last 2,000 events PQM Detection Event Recorder -last 1,500 events Load Current Alarm Event Recorder -last 1,500 events We request the customer to accept our proposal.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
112	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/General Construction /9	c) Indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	The contact wear will be provided as monitoring function in our controller. Instead of LED, the alarm for contact wear will be provided. We request the customer to accept our proposal.	Shall be as per technical specification
113	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/General Construction /9	l) Auto reset of the relay after tripping wit definite time of 1min. (All elements & LED should reset and fault data shall be displayed)	Our controller will not display the fault date but it can be checked from the fault log data. We request the customer to accept our proposal.	Shall be as per technical specification
114	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/5	33kV GO Switch (Isolator)	Please clarify whether 33kV GO switch will be provided by Tata Power Odisha as mentioned in the TS of 11kV or the same has to be provided by the bidder.	In DISCOM scope of supply i.e. will be provided by Tata Power Odisha
115	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/5	Auxiliary PT Details Type - Resin cast PT double pole Voltage ratio - 33kV/230V PT earthing shall be inside the AR control panel	Type - Resin cast PT single pole Voltage ratio - 19kV/230V PT earthing shall be done outside the AR control panel. Please accept our proposal	Shall be as per technical specification
116	Others	Quotation Model	We will offer auto recloser for sectionalizer as our recloser support sectionizer function in accordance with IEC 62271-111 and the technical specification (ENG-HV-2017) specify the requirement for auto recloser in this tender.	In our practice we use the same equipment as Autoreclosure & Autosectionalizer so that we can use these equipments interchangeably. For isolation we will be installing an Isolator at the location of AR & ASR.
117	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Make & Model	Vendor to provide Make & model of proposed cellular Router. Preferred Make- Teltonika RUT950/ CMS- CS-INMMD- LAN/ABB ARG 600/Any other Reputed Make Note: Make will be finalised during detailed Engineering	Model RUT950 is discontinued due to End of life, hence Teltonika is offering RUT901. Please accept our proposal	Noted.
118	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Supported Frequency Band	1. Modem should support multiband connectivity with FDD 4G LTE & TDD 4G LTE 2. It should support Band 1,3,5,8 and Band 40 3. The offered cellular router should support and compatible to the data & Radio Interface of the Network of Public Mobile Service provider in ODISHA State	Please share the bands required in the ODISHA state	ODISHA has NBSPs/Cellular Operators i.e. BSNL, Airtel, Jio, Vodafone etc. The Proposed Modem should support multiband connectivity with FDD 4G LTE & TDD 4G LTE and support Band 1,3,5,8 and Band 40. Bidder to research the 4G bands in ODISHA and propose the Modem accordingly.

Sr. No.	Detailed Reference to concerned Document - Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCOOL Response
119	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Operating Humidity	5 % to 100 % (Non - Condensing)	10% to 90% non-condensing Please accept our proposal	Shall be as per technical specification
120	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Storage Transport Temperature	(-40 to 85 deg celsius)	(-40 to 75 deg celsius), Please accept our proposal	Shall be as per technical specification
121	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/CPU	3. Bidder to note that the CPU usage should not cross 40% load in typical Operating & Maintenance condition.	We comply Partially with MediaTek, MIPS 24KEc, 580MHz, Please accept our proposal	Noted
122	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/RAM	3. Bidder to note that the CPU usage should not cross 40% load in typical Operating & Maintenance condition.	We comply Partially 16 MB, SPI Flash, Please accept our proposal	Noted. Bidder to ensure the performance of the solution in line with the RFP.
123	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Routing	Astatic Routing, RIP 1 & 2, OSPF V2 & V1	Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP)	Noted
124	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Security	HTTPS, SSH, Authentication with RADIUS or TACACS +, Activate Cellular Interface with SMS, Ethernet 802.1X (EAP-PEAP/MsCHPv2 or EAP -TLS)	We comply partially	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
125	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Authentication	User Management (Local, RADIUS, TACACS +, Mixed )	We comply partially, Captive portal (Hotspot), internal/external Radius server	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
126	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Antenna Cable Length	Cable should have Low loss RF Cable with minimum length of 5 Meters	We shall offer 3M Cable, please accept our proposal	Shall be as per technical specification
127	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Type of Antenna	Antenna Should be Omni directional with High Gain (High Gain 2 5)	The gain of antenna shall be 2.5 dBi, please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
128	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Construction of Antenna	1. Shall be Steady, Good Quality Material, Water / Weather proof having Adequate Gold Plate Connector compatible with Cellular Router Antenna Port. 2. With suitable Mounting Arrangement for Indoor installation	IP65 rating, Screw Mounting	Noted
129	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Radiated, Radio- frequency, Electromagnetic Field Immunity Test	IEC EN 41000-4-1	We shall offer EN 61000-3-3:2013 + A1:2019 EN 301 489-1:V2.2.3 EN 301 489-17:V3.2.4 EN 301 489-52:V1.1.0Electromagnetic compatibility - Article 3.1(b) EN 300 328:V2.2.2. Please accept our proposal	Noted.
130	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Information Technology Equipment – Safety	IEC 40950	We shall offer EN IEC 62311:2020, EN 50665:2017 Please accept our proposal	Noted.
131	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Environmental Testing - Vibration (Sinusoidal)	IEC 40048-2-4	Our Modem doesnot have the same, Please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
132	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Environmental Testing - Shock	IEC 40048-2-27	Our Modem doesnot have the same, Please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
133	Annexure- 1 of ENG-EHV-1047 Technical Specification for 33 kv 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Environmental Testing - Free Fall (withdrawn)	IEC 40048-2-12	Our Modem doesnot have the same, Please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.

Sr. No.	Detailed Reference to concerned Document Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCOOL Response
134	Annexure-1 of ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Regulatory compliance	<p>1. Bidder shall confirm that offered product is complied &amp; certified by all Indian Government Bodies related to Telecommunication/ Wireless Communication (WPC, DOT) to operate &amp; use this product in India</p> <p>2. Bidder share submit the Compliance Certificate for the same</p>	Not applicable as we have all the certifications from Lithuania	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
135	Annexure-1 of ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Surge Protection / Electrical Isolation	It should be available on all Ethernet communication port & Power Supply Input. Bidder shall share certification in this regard.	Not Applicable.	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
136	Annexure-1 of ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/GTP of Modem Cum Router/Information to Bidder	Cyclonic environment with wind velocity up to 250 kmph. Some of the regions, where the work will take place includes coastal areas, subject to high relative humidity, which can give rise to condensation. Onshore winds will frequently be salt laden. On occasions, the combination of salt and condensation may create pollution conditions for electronic equipment. Some places are in heavily industrial polluted areas. Therefore, all supplied material and equipment shall be designed and protected for use in exposed, heavily polluted, salty, corrosive and humid coastal atmosphere.	Our Modem doesnot have the same, and moreover the modem is to be installed inside the controller cabinet hence impact of harsh environment shall reduce considerably. Please accept our proposal	No deviation is accepted. Bidder to consider the entire scope as per the RFP.

**FORMAT F.1**

**Format for Query / Clarification / Deviation (QCD)**

Tender No **TPCODL/CCG/23-24/018**

Package Name **Rate Contract for Supply of 33kV AR & Sectionalizers for TPCODL/TPNODL/TPWODL**

Bidder : **M/s Vishal Transformers & Switchgears (P) Ltd.**

Note : **The said format to be used only for any Pre-bid Query / Clarification/ Deviation on any of the Tender documents**

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
1	2	3	4	5
1	GCC Supply/GCC Clause 14.0/15	<p>a) For supplies which are of standalone use, multiple in quantities and having a single final delivery schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below:For delay of each week and part thereof from the delivery schedule specified in the contract, 1% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.</p> <p>b) For Supplies having phased delivery schedule as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below:For the purpose of calculating and applying LD, each delivery lot shall be considered separately. For delay of each week and part thereof, from the delivery schedule specified for the lot, 1% of the contract value corresponding to the undelivered quantity of the lot subject to a maximum of 10% of the total contract value of the subject lot. However, if full contractual quantity is not delivered within 130% of contract time for delivery, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value. Deduction of LD shall be on landed cost i.e contract value inclusive of taxes and in pursuant statutory compliance GST would be applicable at the stipulated rate and the same shall be borne by Business Associate. In case of LD deduction, a GST invoice shall be issued byTPCODL as a proof of deduction/ recovery.</p>	<p>Pls. accept Liquidated damages : 0.50% of basic price for every week delay subject to maximum of 5% of total PO/WO value of undelivered units/ remaining work</p>	It will be as per NIT.
2	NIT Document/Clause 1.7 (i)/10	The bidder should have Valid Electrical Contractor License issued by Govt of Odisha to execute the electrical works in Odisha. In case bidder is not having this license, Bidder shall submit an undertaking that in case they are the successful bidder, same shall be obtained by them before execution of contract by TATA Power. (It is applicable for SITC jobs).	The bidder or his erection associate should have Valid Electrical Contractor License issued by Govt of Odisha or any other state in India to execute the electrical works in Odisha. Please accept our request.	The bidder / their erection associate should have Valid Electrical Contractor License issued by Govt of Odisha to execute the electrical works in Odisha. In case bidder is not having this license, Bidder shall submit an undertaking that in case they are the successful bidder, same shall be obtained by them before execution of contract by TATA Power. (It is applicable for SITC jobs).
3	NIT Document/Clause 3.5 /14	Period of Validity of Bids: Bids shall remain valid for 180 days from the due date of submission of the bid. Notwithstanding clause above, the TPCODL/TPWODL/TPNODL/TPSODL may solicit the Bidder's consent to an extension of the Period of Bid Validity.	Period of Validity of Bids: Bids shall remain valid for 90 days from the due date of submission of the bid as the considering the volatile business scenario, OEM's are not holding prices for more than 60 days. Please accept our request.	Will be as per NIT.
4	GCC Supply/Clause 7.1/16	Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 30 days of issuance of purchase order. PBG applicable shall be @ 5% of Rate Contract Value or 10% of PO Value. value BG. Validity will be till delivery period plus warranty period for 10% value BG. Claim period will be additional one month for both cases. Validity of BG shall be till expiry date of PO plus delivery period plus warranty period in case of 5%	It is requested to consider Performance Bank Guarantee amount @3% of contract value instead of @5% inline to the guidelines of the GOI vide notification # No. F.9/4/2020-PPD dt. 12.11.2020, pls. confirm.	Will be as per NIT.
5	NIT/SCC Clause 7.1/17	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later.	Delivery period for supply of goods shall be 150 days from date of receipt of release order / CAT-A issuance, whichever is later. Our product is coming from Korea hence there is a transit period subject to availability of vessel, container & route clearance etc. So, we request customer to accept our proposal	Delivery period shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later. And installation will be within 15 days from the date of confirmation of TP odisha discom.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response
6	NIT/SCC Clause 7.1 & Payment Terms Clause 7.3/17	<p>Terms of Payment: On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of TP Central Odisha Distribution Limited to Invoice Desk. The payment shall be released within 45 days from the date of submission of certified bills/ invoices.</p> <p>7.3 Payment Terms On delivery of the material in good condition and certification of acceptance by certified officials Associates shall submit the bills/Invoice in original in name of respective discoms. The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices.</p>	The payment days in both the statements are different. Being an MSME we would request to release the 100% payment within 45 days of invoice date. Please clarify the payment terms on both supply & ITC separately.	The Payment shall be released within 45 Days from the date of Submission of certified bills/invoices after installation.
7	1.7 Qualification Criteria page 9 of 24	The average annual turnover of the bidder shall be a minimum of Rs. 100.0 Crs for any three of the last five financial years	This may be considered 10 times of the estimated value or 25 Cr in place of 100Cr.	Will be as per NIT.
8	SCC 7.1/NIT/Page no. 16-17	Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 30 days of issuance of purchase order. PBG applicable shall be @ 5% of Rate Contract Value or 10% of PO Value. Validity of BG shall be till expiry date of PO plus delivery period plus warranty period in case of 5% value BG. Validity will be till delivery period plus warranty period for 10% value BG. Claim period will be additional one month for both cases.	We hereby request to consider as PBG @5% of PO/WO instead of Rate contract.	Will be as per NIT.
9	SCC 7.1/NIT/Page no. 17 & GCC 6.1-Services page	<p>Terms of Payment: On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of TP Central Odisha Distribution Limited to Invoice Desk. The payment shall be released within 45 days from the date of submission of certified bills/ invoices</p>	We understand that TPCODL/TWODL/TPNODL/TPSODL is registered itself with TReDS platform and request to process our bills through this platform in compliance with MSME norms. Further ,pls. confirm that 100% payment shall be on PRO-RATA basis. Pls. confirm.	The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices.
10	SCC 7.3/NIT/Page no. 17	<p>7.3 Payment Terms On delivery of the material in good condition and certification of acceptance by certified officials Associates shall submit the bills/Invoice in original in name of respective discoms. The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices.</p>	We understand that Payment terms mentioned in Clause no. 7.1 superceds clause 7.3 Pls. confirm.	The Payment shall be released within 45 Days from the date of Submission of certified bills/invoices after complete I&CT.
11	GCC 3.1 of both Supply & Services/Page 4	On receipt of the contract, the associate shall return to TPCODL copy of the contract document duly signed by legally authorized representative of associate, within two days of Effective Date of Contract for contracts having contract execution time less than 30 days and within five days for all other contracts.	It is requested to consider 30(thirty)days instead of two days on receipt of the contract, the associate shall return to TPCODL copy of the contract document duly signed by legally authorized representative of associate.	It will be as per NIT. During Pre-bid queries all commercial and technical ambiguity must be settled. After RC, only typo error can be modified.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response		
12	GCC 14.0-Supply & GCC 13.0-Services/Page 15 & 17 respectively	LIQUIDATED DAMAGES a) For supplies which are of standalone use, multiple in quantities and having a single final delivery schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below: For delay of each week and part thereof from the delivery schedule specified in the contract, 1% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.b) For Supplies having phased delivery schedule as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below: For the purpose of calculating and applying LD, each delivery lot shall be considered separately. For delay of each week and part thereof, from the delivery schedule specified for the lot, 1% of the contract value corresponding to the undelivered quantity of the lot subject to a maximum of 10% of the total contract value of the subject lot. However, if full contractual quantity is not delivered within 130% of contract time for delivery, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value. Deduction of LD shall be on landed cost i.e contract value inclusive of taxes and in pursuant statutory compliance GST would be applicable at the stipulated rate and the same shall be borne by Business Associate. In case of LD	It is requested to consider- LIQUIDATED DAMAGES a) For supplies which are of standalone use, multiple in quantities and having a single final delivery schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPCODL, as described below: For delay of each week and part thereof from the delivery schedule specified in the contract, 0.5% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPCODL has the right to levy LD on the entire contract value, subject to a maximum of 5% of the total contract value. b) For Supplies having phased delivery schedule as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to	Will be as per NIT.		
Sr. No	Clause ref.	Page no.	Requirement as per specification	Amendment proposed	Justification	TPCODL's Reply
<b>Contents of the enquiry</b>						
1		1.1 7 of 24	Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store, Installation and commissioning and performance of 11kV Pole Mounted Auto recloser and Sectionalizer with all accessories and necessary training for trouble free & efficient performance.	Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store, <del>installation and commissioning and performance</del> of 11kV Pole Mounted Auto recloser and Sectionalizer with all accessories and necessary training for trouble free & efficient performance.	The scope shall be limited for supply only. Installation & commissioning shall not be in supplier's scope. Since OEM's are not specialised in service activities such as ETC hence same shall not be in their scope. Please remove "performance" from scope.	Scope of work will be complete SITC job.
2	1.7.f	9 of 24	Bidder should have adequate & experienced resources to ensure proper design, engineering, project management, site supervision, quality control and safety practices. Bidder should submit the undertaking in this regard.	Bidder should have adequate & experienced resources to ensure proper design, engineering, project management, <del>site supervision</del> , quality control and safety practices. Bidder should submit the undertaking in this regard.	Since OEM's are not specialised in service activities such as ETC hence same shall not be in their scope.	It will be as per NIT.
3	1.7.i	10 of 24	The bidder should have Valid Electrical Contractor License issued by Govt of Odisha to execute the electrical works in Odisha. In case bidder is not having this License, Bidder shall submit an undertaking that in case they are the successful bidder, same shall be obtained by them before execution of contract by TATA Power. (It is applicable for SITC jobs).	Please remove said clause	Since OEM's are not specialised in service activities such as ETC hence same shall not be in their scope.	It will be as per NIT.
6		2.1 11 of 24	Price Basis: Price will be fixed and firm during the contractual period.	Price Basis: Price will be Variable with base date of June 2023.	Looking into current uncertainty in global supply chain, since the prices needs to be kept valid for a period one year hence request TPCODL to consider variable prices with base date of June 2023 This will help bidders to offer most competitive rates.	Price will be a as per fixed and firm. It will be as per NIT document.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response		
7	3.9	14 of 24	The type tests specified in TPCODL 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.	The type tests specified in TPCODL specifications should have been carried out within TEN years prior to the date of opening of technical bids and test reports are to be submitted along with the bids.	Type test reports conducted within 10 years from the date of technical bid opening shall be acceptable. This is inline with CEA guidelines	Will be as per NIT.
8	7.1	17 of 24	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later	Delivery period shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later .	Looking into the current issue going on with semiconductors globally, request TPCODL to accept delivery period of 120 days. The delivery shall also be linked to drawing approval since without the same manufacturing can not be started. Please cap the lot size to 40 nos. which will help for smooth planning & execution	Delivery period shall be 120 days from date of receipt of release order / CAT-A issuance, whichever is later
9	7.3	17 of 24	The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices.	The Payment shall be released within 45 Days from the date of Submission of certified bills/invoices.	Two different payment terms mentioned on same page. Please consider 45 days payment cycle.	The Payment shall be released within 90 Days from the date of Submission of certified bills/invoices after complete I&CT.
10	9	18 of 24	General Condition of Contract	GCC for TPNODL/TPCODL/TPWODL/TPSODL are attached separately, please confirm which GCC to be referred.		Respective supply to respective discom will be abided by respective Dicom's GCC. As an Example:- if supply will be to TPCODL, TPCODL's GCC has to be adhered.
11	Annexure I; Price Schedule	19 of 24	Note viii : Quantities mentioned above is for evaluation purpose only and not guaranteed. Quantities may change as per actual requirements.	Note viii : Quantities mentioned above is for evaluation purpose only and not guaranteed. Quantities may vary $\pm 10\%$ .	Quantity variation should be limited to $\pm 10\%$ only	It will be as per NIT.
12	Annexure II	20 of 24		GCC for TPNODL/TPCODL/TPWODL/TPSODL are attached separately, please confirm which GCC to be referred.		Respective supply to respective discom will be abided by respective Dicom's GCC. As an Example:- if supply will be to TPCODL, TPCODL's GCC has to be adhered. For bidding purpose BA has to adhere all Discom's GCC.
<b>General conditions of contract - Composite orders</b>						
13		4	Scope of work	Please provide detailed scope of work for service portion.		Along with supply the detail I&CT will be as per below:- The activities under installation & commissioning are:- <ul style="list-style-type: none"> <li>• Movement of material (11kV / 33 kV Autorecloser, Auxiliary PT, LA, Isolator, earthing material, conductor, channel, angles, nut bolts) from respective discom's store to site</li> <li>• Installation of 11kV / 33 kV Autorecloser, Isolator, LA &amp; Auxiliary PT on the existing poles (no material supply in Sharika scope).</li> <li>• Jumpering of 11kV / 33 kV Autorecloser, Isolator, LA &amp; Auxiliary PT with the overhead line (no material supply in Sharika scope).</li> <li>• Earthing work of 11kV / 33 kV Autorecloser, Isolator, LA &amp; Auxiliary PT (no material supply in Sharika scope).</li> <li>• Commissioning of 11kV / 33 kV Autorecloser with SCADA through modem (no material supply in Sharika scope).</li> <li>• Cable laying with termination of all equipments.</li> </ul> Any extra works to complete the entire I&C activities for AR and sectionalizer will be under BA's Scope.
14	4.2		Indemnity	The Associate assumes responsibility for and shall indemnify and save harmless the TPCODL from all liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court costs which are or may be required to be paid by the TPCODL and its officers, directors, employees, affiliates, agents, successors and assigns arising from any breach of the Associate's obligations under any local or national law or laws, or in respect to all salaries, wages or other compensation for all persons employed by the Associate or his Sub-Associates or suppliers in connection with the performance of any work covered by the Contract.		Will be as per NIT.

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response		
15	4.8		If Taking Over Certificate is delayed for any reason, for which TPCODL's decision shall be final and binding upon the Associate,.....	If Taking Over Certificate is delayed for any reason attributable to BA, for which TPCODL's decision shall be final and binding upon the Associate,.....	Said clause shall be applicable only for the delays which are caused due to BA. For reasons which are not attributed to BA said clause shall not be applicable.	Will be as per NIT.
16	5.1		Unless specified elsewhere in the contract document, the prices/rates are inclusive of cost of finished product for which MDCC will be issued by TPCODL, packaging and forwarding charges, freight and transit insurance charges covering loading at Associate's works, transportation to TPCODL store/site & unloading & delivery at TPCODL stores/TPCODL site, cost of documentation including all the relevant test certificates and other supportive documents to be furnished.	Unless specified elsewhere in the contract document, the prices/rates are inclusive of cost of finished product for which MDCC will be issued by TPCODL, packaging and forwarding charges, freight and transit insurance charges covering loading at Associate's works, transportation to TPCODL store/site & unloading & delivery at TPCODL stores/TPCODL site, cost of documentation including all the relevant test certificates and other supportive documents to be furnished.	Unloading at site shall not be in suppliers scope.	Will be as per NIT. It is included.
17	6		Terms of payment		Please clarify exact terms of payment since there are different terms mentioned on content of enquiry & GCC.	The Payment shall be released within 45 Days from the date of Submission of certified bills/invoices after complete I&CT.
18	6.3		In case any non-compliance to contract conditions comes to TPCODL's notice, TPCODL will be entitled to deduct 30% of estimated wages plus 20% of wages as TPCODL's overheads.	Please remove said clause	Liquidated damages shall be the sole remedy for TPCODL on account of delays.	Will be as per NIT.
19	13.2		Goods/Material/Equipment delivered in condition physically damaged & incomplete as a product ordered, or not packed and transported as per the terms and conditions of the contract is liable to be rejected.	Goods/Material/Equipment delivered in condition physically damaged & incomplete as a product ordered, or not packed and transported as per the terms and conditions of the contract is liable to be rejected provided said damage/incompleteness etc of product is conveyed to supplier within 7 working days from the date of receipt of material at site.	There should be some time line for communicating transit damages to supplier.	Will be as per NIT.
20	14.3		TPCODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be.	TPCODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be.	Only actual incurred expenses shall be recovered.	Will be as per NIT.
21	14.3		The Warranty period for such replaced parts shall be until the expiry of twelve months from the date of such replacement or renewal or until the end of original Guarantee period, whichever is later.	The warranty period of replaced parts shall be same as that of original equipment.	No separate extended warranty shall be provided for replaced parts.	Will be as per NIT.
22	14.3		In case the Associate is not able to rectify/ replace the faulty equipment/ material within the stipulated timelines as mentioned above, penalty shall be levied as per the Liquidated Damages clause mentioned in this document. The penalty amount shall be recovered from the payment due to the vendor or by encashment of the SPBG as the case may be.	Said clause shall be removed	LD/penalty on account of warranty failure shall not be in acceptable to us.	Will be as per NIT.



Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPWODL Response		
23	14.6		Hidden defects in manufacturing or design of the product supplied and which could not be identified by the tests conducted but later manifested during operation of the equipment are termed as latent defects.	Hidden defects in manufacturing or design of the product supplied and which could not be identified by the tests conducted but later manifested during operation of the equipment are termed as latent defects.	Only design defects shall be considered in latent defects. If manufacturing defects are included in the same then there is no change in normal warrantee & latent defect warrantee.	Will be as per NIT.
24	15		Liquidated damages @1% of the total executed contract value per week or part thereof, for the period of delay in integrated completion, subject to maximum 10% of the value of the contract shall become leviable without prejudice to other rights of the TPCODL.	Liquidated damages @0.5% of the undelivered value per week or part thereof, for the period of delay in integrated completion, subject to maximum 5% of the value of the undelivered portion shall become leviable without prejudice to other rights of the TPCODL.	The limit of LD shall be 0.5% per week upto maximum 5% of undelivered portion.	Will be as per NIT.
25	15		liquidated damages	<ul style="list-style-type: none"> <li>LD shall be computed on the undelivered lot upto the max LD limit.</li> <li>LD shall be exclusive remedy for delay and in full satisfaction. Under the contract, TPDDL shall first exhaust the LD max limit before resorting to any other remedy available under the contract.</li> </ul>		Will be as per NIT.
26	19		Intellectual Property Rights	Any intellectual property developed or acquired by Associate during course of contract shall be owned by Associate. TPCODL will such rights as granted by Associate in intellectual property so developed.		Will be as per NIT.
27	20		Indemnity	The Associate assumes responsibility for and shall indemnify and save harmless the TPCODL from all liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court costs which are or may be required to be paid by the TPCODL and its officers, directors, employees, affiliates, agents, successors and assigns arising from any breach of the Associate's obligations under any local or national law or laws, or in respect to all salaries, wages or other compensation for all persons employed by the Associate or his Sub-Associates or suppliers in connection with the performance of any work covered by the Contract.		Will be as per NIT.
28	21		Liability & limitations	Notwithstanding any provision to the contrary, Associate shall not be liable for any special, incidental, indirect, or consequential Damages or any loss of business Contracts, revenues or other financial loss (or equivalents thereof no matter how claimed, computed or characterized) arising out of or in connection with the Performance of the Work or supply of Goods unless caused by Associate's gross negligence, or willful misconduct		Will be as per NIT.
29	22		FORCE MAJEURE	safety measures against covid, quarantine restrictions shall be force majeure events.		Will be as per NIT.
30	24.3		Termination for convenience of TPCODL	In case of termination for convenience of TPCODL, Associate shall also be paid for the cost of work in progress along with supplies/services rendered until date of termination.		Will be as per NIT.