

Format for Query / Clarification / Deviation (QCD)

Tender No **TPCODL/CCG/23-24/100000540**

Package Name **Rate Contract for SITC of 11 kV & 33 KV Auto Recloser with Sectionalizers at TPNODL & TPSODL**

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	CCG / CEQG (Odisha Discoms) Response
1	2	3	4	5
1	Page 1/32 NIT document (TPCODL/CCG/23-24/100000540) Page 2/15 (clause No: 1) Specification No. (ENG-EHV-2017)	One year rate contract for SITC of 11kV & 33kV Autorecloser with sectionalizer 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 Auto recloser complete necessary training for efficient and trouble free performance	As an OEM, scope shall be limited to Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store. Request to provide details scope of work for SITC	DP Installation in scope of Tata Power AR SITC in supplier's scope. All necessary mounting arrangement in supplier's scope
2	Page 4/32 NIT document (TPCODL/CCG/23-24/100000540)	Requirement : 11kV Autorecloser: 55 nos. 11kV Sectionalizer: 26 nos. 33kV Autorecloser: 17 nos. 33kV Sectionalizer: 10 nos.	We have received only vacuum based Autorecloser specification for 11kV & 33kV. But there is no specification for Sectionalizer. It seems that Autorecloser will be used for Sectionalizer. Please confirm	AR will be used as Sectionalizers.
3	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. However, we have PD Type test report for complete product	Noted
4	Clause No. 4-34 (Page 5 of 15)	Volatge sensor accuracy upto 12kV +/- 5%	Accuracy up to 12kV +/-3.0%, please confirm	Noted
5	Clause No. 42 (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	Normally Autorecloser/ Sectionalizer is with 16 hr backup & 20 complete operation suitable battery. Hence, battery capacity recommended for 20 operations and 16 Hrs of backup. Pls confirm	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
6	Clause No. 42 (Page 6 of 15)	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.
7	Clause No. 5.2-1 (Page No. 8 of 15)	Push buttons with indications LEDs- Autorecloser blocked or Auto – ON/OFF	Setting for Auto recloser ON/OFF is available in the device.	Noted
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.	2 User Configurable LED is required as per TS.
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.	This shall be as per TS
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. Load profile is a part of metering device and the load profile data to be made available through local HMI download/SCADA..
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 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. Load profile is a part of metering device and the load profile data to be made available through local HMI download/SCADA..

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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	Page 1/32 NIT document (TPCODL/CCG/23-24/100000540)	One year rate contract for SITC of 11kV & 33kV Autorecloser with sectionalizer	As an OEM, scope shall be limited to Design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store. Request to provide details scope of work for SITC	DP Installation in scope of Tata Power AR SITC in supplier's scope. All necessary mounting arrangement in supplier's scope
	Page 2/22 (clause No: 1) Specification No. (ENG-EHV-1047)	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 necessary training for efficient and trouble free performance		
14	Page 4/32 NIT document (TPCODL/CCG/23-24/100000540)	Requirement : 11kV Autorecloser: 55 nos. 11kV Sectionalizer: 26 nos. 33kV Autorecloser: 17 nos. 33kV Sectionalizer: 10 nos.	We have received only vacuum based Autorecloser specification for 11kV & 33kV. But there is no specification for Sectionalizer. It seems that Autorecloser will be used for Sectionalizer. Please confirm	AR will be used as Sectionalizers.
15	Page 12/15(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. However, we will provide PD Type test report for complete product	Noted
16	Clause No. 4-23 (Page 4 of 22)	O-0.2s-CO-2s-CO-2s-CO / O-0.3s-CO-2s-CO-2s-CO (Duty cycle and the recloser delay time shall be programmable at site and remotely)	Duty cycle of recloser 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)	This shall be as per TS
17	Clause No. 4-23 (Page 5 of 22)	Voltage sensor accuracy upto 36kV +/- 5%	Accuracy up to 36kV +/-3.0%, please confirm	Better Accuracy is accepted
18	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 Autorecloser/ Sectionalizer is with 16 hr backup & 20 complete operation suitable battery. Hence, battery capacity recommended for 20 operations and 16 Hrs of backup. Pls confirm	No deviation is accepted. Bidder to consider the entire scope as per the RFP.
19	Clause No. 42 (Page 7 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.
20	Clause No. 43 (Page 7 of 22)	GPRS G/G/RF modem....ABB Modem -ARG600 (4G)	can we consider Tata power others utility approved make modem for this project?	No, Bidder to consider the entire scope as per the RFP
21	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 is available in the device.	This shall be as per TS
22	Clause No.5.2-ii-f (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.	2 User Configurable LED is required as per TS.
23	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.	This shall be as per TS
24	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. Load profile is a part of metering device and the load profile data to be made available through local HMI download/SCADA..

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25	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. Load profile is a part of metering device and the load profile data to be made available through local HMI download/SCADA..
26	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.
27	Spec. ENG-EHV-1047 (page 16/22) Annexure - I (clause1.1)	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	Noted
28	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	Noted
29	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.	48 Months from Commissioning/ 60 Months from Receipt at store.
30	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.	This shall be as per TS
31	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.
32	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.	This shall be as per TS
33	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.	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.

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34	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Controller Cabinet: Multi-Master reporting- 2 masters with single CSADU. 5 Master via Modem.	Our controller can support 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, 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.
35	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. Multi User level authentication: 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. Disabling the DNS: Our controller doesn't support DNS (Domain Name Server) since it is not applicable to the network. Disabling/enabling/configurable TCP/UDP port 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 maintain the enabling status for security. Disabling/enabling/configurable PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to controller 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.
36	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.
37	ENG-HV-2017 Technical Specification for 11kV Pole Mounted Autorecloser/Annexure II- Technical Specification 4. General Technical Requirement/7	Auxiliary PT Details: Burden - 100VA PT Earthing shall be inside the AR control panel	We shall supply PT with 300VA which is required for perfect working of our Recloser Protection, Control & Auxiliary System. PT earthing shall be done outside the AR control panel. Please accept our proposal	Noted. But it Must be Ph-Ph PT. Ph-E PT is not accepted.
38	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.
39	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.	Shall be decided in detailed Engineering
40	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.	Thermal Runaway need not be conducted if Temp Rise test is done. Rest shall be as per TS.

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41	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
42	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.	This test is required.
43	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)	5P20 is accepted. Accuracy shall be as per TS.
44	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.	Noted
45	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.	Cabinet Lighting is required.
46	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 cyclesx 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.
47	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.	Noted
48	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.	This shall be as per TS

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49	Others	Quotation Model	We will offer auto recloser for sectionalizer as our recloser support secitinoalizer function in accordance with IEC 62271-111 and the technical specification (ENG-HV-2017) specify the requirement for auto recloser in this tender.	Noted
50	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 RUT951. Please accept our proposal	Noted.
51	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.
52	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	Noted
53	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	Noted
54	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
55	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 performace of the solution in line with the RFP.
56	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
57	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.
58	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.
59	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	Noted

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60	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.
61	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
62	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.
63	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.
64	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	This shall be as per TS
65	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.
66	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.
67	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.
68	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.	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	CCG / CEQG (Odisha Discoms) Response
69	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.
70	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.
71	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	Noted
72	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.	Type Test Report Validity shall be as per CEA Guidelines
73	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.	48 Months from Commissioning/ 60 Months from Receipt at store.
74	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	1200 Amp : 20kA Upto 800 Amp: 16kA
75	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	1200 Amp : 20kA Upto 800 Amp: 16kA
76	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	1200 Amp : 50kAp Upto 800 Amp: 40kAp

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77	ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/4 General Technical Requirement/4	Operating sequence/Duty - CO 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	This shall be as per TS
78	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.	This shall be as per TS
79	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.
80	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.	This shall be as per TS
81	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.
82	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 - 2 masters with single CSADU	Our controller can support 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, 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.
83	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. Multi User level authentication: 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. Disabling the DNS: Our controller doesn't support DNS (Domain Name Server) since it is not applicable to the network. Disabling/enabling/configurable TCP/UDP port 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. Disabling/enabling/configurable PT Failure, Charger Failure, Battery Failure/Door lock alarm integrated to controller 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.
84	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.	This shall be as per TS

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93	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 cyclesx 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.
94	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.	alarm for contact wear will be provided.
95	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.	This shall be as per TS
96	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 double pole Voltage ratio - 33kV/230V PT earthing shall be done outside the AR control panel. Please accept our proposal	Noted
97	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.	Panel Lighting is required
98	Others	Quotation Model	We will offer auto recloser for sectionalizer as our recloser support sectionalizer function in accordance with IEC 62271-111 and the technical specification (ENG-HV-1047) specify the requirement for auto recloser in this tender.	Noted
99	Annexure- I 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-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 RUT951. Please accept our proposal.	Noted.
100	Annexure- I 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.

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101	Annexure- I 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	Noted
102	Annexure- I 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	Noted
103	Annexure- I 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
104	Annexure- I 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.
105	Annexure- I 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
106	Annexure- I 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.
107	Annexure- I 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.
108	Annexure- I 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	Noted.

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109	Annexure- I 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 \geq 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.
110	Annexure- I 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.
111	Annexure- I 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:V1.1.0 Electromagnetic compatibility - Article 3.1(b) EN 300 328:V2.2.2. Please accept our proposal	Noted.
112	Annexure- I 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.
113	Annexure- I 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.
114	Annexure- I 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.

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115	Annexure- I 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.
116	Annexure- I of ENG-EHV-1047 Technical Specification for 33 kV 800A/16kA & 1200A/20kA Pole Mounted Auto recloser/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 shall 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.
117	Annexure- I 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.
118	Annexure- I 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.
119	NIT/ Special Conditions of Contract, Clause 13.1.7, Payment Terms	Payment Terms: 100% payment within 90 days of submission of error-free Invoice post completion of SITC works in all respects. However, for MSME the payment cycle shall be 45 days.	For Supply Part :- 80 % payment to be released within 45 days from date of receipt of materials at store / site and 20 % Payment to be released within 45 days of complete ICT. But the time capping in between supply and site availability to the contractor for ITC to be 45 days. Any further delay in making the site available to Contractor beyond 45 days to lead to remittance of balance 20 % payment of Supply amount on immediate basis for each such site. 20% retention terms to apply site wise, individually, and not collectively for all the sites of the Purchase Order. Payment of 20% retained amount of an ITC completed site is not to be withheld for pendency of ITC at any other site or sites. For Installation, Testing ,Commissioning Part :- The payment shall be released within 45 days from the date of submission of certified bills/ invoices. We request the customer to accept our proposal.	Supply Part: 70 % payment will be released within 45 days from date of receipt of materials at store / site and 30 % Payment will be released within 45 days from the date of invoice certification of complete ICT. But the time capping in between supply and site availability to the contractor for ITC will be 90 days. Any further delay in making the site available to Contractor beyond 90 days will lead to remittance of balance 30 % payment of Supply Part to BA on immediate basis for each such site.30% retention terms apply site wise, individually, and not collectively for all the sites of the Purchase Order. Payment of 30% retained amount of an ITC completed site will not be withheld for pendency of ITC at any other site or sites. For ICT Part:- On successful installation, commissioning and testing followed by 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.

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120	GCC Clause 6.0, Terms of Payment	<p>A.5% of the Release Order/ Purchase Order price shall be paid as initial interest free advance on fulfillment of the following by the Associate:</p> <p>a) Acceptance of PO/ LOI. []</p> <p>b) Submission of advance payment BG (APBG) of 15% of the Release Order/ [Purchase Order price which shall remain valid till the advance is fully [adjusted. []</p> <p>c) Submission of Contract Performance Bank Guarantee (CPBG) of 5/10% of [the RC/ PO price valid till 30 days after taking over of the works. []</p> <p>10% of the Release Order/ Purchase Order price shall be paid as interest free advance against approval of drawings under Category-1 of major drawings, Quality [] Plans, Pert Chart, Field Quality Plan, posting of Project Manager and commencement of the first mile stone of the work mutually agreed including C-3 Form, and submission of a true copy of 'Erection All Risk Insurance Policy' taken for the awarded jobs. The drawing list shall be mutually agreed at the time of award of work.</p> <p>50% on account payment of the total of item wise cost of material Release Order/ Purchase Order shall be paid against receipt of material at site in good condition and certification by TPNODL along with bills complete in all</p>	<p>For Supply Part :- 80 % payment to be released within 45 days from date of receipt of materials at store / site and 20 % Payment to be released within 45 days of complete ICT. But the time capping in between supply and site availability to the contractor for ITC to be 45 days. Any further delay in making the site available to Contractor beyond 45 days to lead to remittance of balance 20 % payment of Supply amount on immediate basis for each such site. 20% retention terms to apply site wise, individually, and not collectively for all the sites of the Purchase Order. Payment of 20% retained amount of an ITC completed site is not to be withheld for pendency of ITC at any other site or sites.</p> <p>For Installation, Testing ,Commissioning Part :- The payment shall be released within 45 days from the date of submission of certified bills/ invoices.</p> <p>We request the customer to accept our proposal.</p>	<p>Supply Part: 70 % payment will be released within 45 days from date of receipt of materials at store / site and 30 % Payment will be released within 45 days from the date of invoice certification of complete ICT. But the time capping in between supply and site availability to the contractor for ITC will be 90 days. Any further delay in making the site available to Contractor beyond 90 days will lead to remittance of balance 30 % payment of Supply Part to BA on immediate basis for each such site.30% retention terms apply site wise, individually, and not collectively for all the sites of the Purchase Order. Payment of 30% retained amount of an ITC completed site will not be withheld for pendency of ITC at any other site or sites.</p> <p>For ICT Part:- On successful installation, commissioning and testing followed by 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>
121	NIT/ Special Conditions of Contract, Clause 13.1.4, Guarantee Period	Guarantee period shall be 60 months from the date of commissioning or 72 months from the date of last supplies made under the contract.	Guarantee period shall be 48 months from the date of commissioning or 60 months from the date of supply, whichever is earlier.	As mentioned Technical Specification of ENG-HV-2017, ENG-EHV-1047
122	NIT/ Special Conditions of Contract, Clause 13.1.6, Delivery Period	Delivery Period shall be 120 Days from date of receipt of release order / CAT-A issuance, whichever is later.	Delivery Period shall be 150 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.