

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

Tender No: TPNODL/OT/2022-23/25N44
 Package Name: RATE CONTRACT FOR SUPPLY OF 11KV RING
 MAIN UNIT IN TPNODL AREA
 Note: The said format to be used only for any Pre-
 bid Query / Clarification/ Deviation on any of
 the Tender documents

S.No	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPNODL Response
1	2	3	4	5
1	General		Kindly Specify if Metering Unit is required or not	Not Required
2	Pg. No 07 of 118 1.7 Qualification Criteria S.No: 1.7.1	The bidder should have average Annual Turnover of Rs. 3.00 Cr. In last 3 financial years from(FY17 To FY22). Copy of audited P&L account to be submitted in this regard with UDIN.	We will be bidding this tender under the name of Company, as we are manufacturers of RMUs under the license agreement with M/s. Schneider Electric up to 22 kV voltage level . For complying the QR criteria of annual turnover, we would like to use the credentials of our group company M/s. company - Kindly Confirm	Accepted subject other QR norms.
3	Pg. No 26 of 118 3.0 Climatic Conditions of Installation of RMU	1.Maximum ambient air temperature 50°C	The Offered RMU is designed for 630A at max ambient temp of +40 Deg C with temperature rise as per relevant IEC. The suitable current derating is applicable at higher temperature.	Bidder to comply as per relevant clause mentioned in tender documents.
4	Pg. No 54 of 118 4.0. GENERAL TECHNICAL REQUIREMENTS	41. Testing of Cable- If doors are opened then earth switch shall be in closed position with necessary interlocks and cable test rod fixing provision in bolt head which can be fixed on terminations through boot cap/opening for testing purpose AND if doors are opened it shall not be possible to operate, Isolator, E/Switch or CB through interlocks	Kindly clarify, is it mandatory to have a designed where, separate test bushing is provided without opening cable box.	This shall be as per Tender Specification
5	Pg. No 55 of 118 4.0. GENERAL TECHNICAL REQUIREMENTS	50.Fault passage indicator FPI on each LBS as a part of each RMU with specified default setting.	Kindly note, as per previous supply & tender specification it was observed that 1 FPI is provided for 2 LBS, kindly reconfirm that FPI to be provided on each LBS.	1 FPI per 2 LBS
6	Pg. No 58 of 118 5.1.5 Circuit Breaker for Transformer Local Feeder Control	The operating mechanism shall be compatible for remote/SCADA operation	We understand LBS to be motorized, kindly reconfirm	LBS is motorised
7	Pg. No 59 of 118 5.1.7 Bushings and Cable terminations:	2 runs, of 3CX400 Sq. mm, OR 1R of 3 NO. 1CX630 Sq. mm shall be used for cable termination.	Kindly note, due to compactness of the unit 2 run cable is not possible, we can provide 1Rx3Cx400 Sq.mm or 1Rx1Cx630 Sq.mm of cable.	Bidder to comply as per relevant clause mentioned in tender documents.

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8	Pg. No 61 of 118 5.1.12 Remote Control of the RMU	5.1.12 Preferred Communication protocol for FRTU shall IEC-60870-5-104. Signal requirement for field RTU (which shall be mounted near RMU) is attached (refer Annexure1). Bidder shall quote the cost of field RTU (FRTU) separately with all technical details for acquisition of the signal as described in Annexure-1.	Kindly clarify, RMU to be supplied with FRTU or FRTU will be procure seperately. Kindly share the specification of FRTU. Also, share the reveised price schedule with FRTU & clarify its impact in reveised acution.	FRTU is not required.However, provision for interfacing (I/Os) must be given
9	Pg. No 62 of 118 7.0 TESTS FOR RMU	Type Test i) Salt Spray Test	Please clarify, if this is mandatory	YES
10	Pg. No 63 of 118 9.0 Pre Dispatch Inspection		Final inspection of the RMU shall be conducted at our Factory. All cost towards the To & Fro, lodging, boarding, local conveyance will have to be borne by TPWODL.	Accepted. Or the same may be done via Virtually.
11	ENG-ELC-54 dated 15.01.2022/Point No 46A/ CI No 4/Page No 54 of 118	Cable Termination Kit & Termination Boot in scope of Supplier. Cable Size in detailed Engineering Stage	Our offer is included with cable boot, kindly clarify on the supply of cable termination kit	Cable Termination Kit/ termination Boot shall be in Supplier's scope. Make : 3M/ Raychem
12	ENG-ELC-54 dated 15.01.2022/Point No 68/ CI No 4/Page No 56 of 118	a. LBS – ON/off b. ES- Open/ close c. CB disconnecter- ON/off d. CB earth switch- Open/ close	We are unable to co-relate please clarify	Pl ignore this clause
13	ENG-ELC-54 dated 15.01.2022/Point No 5(e)/ CI No 4/Page No 57 of 118	Aux Trnsformer : 24VDC from Battery Charger and 230 VAC from Aux PT in scope of Supplier (Aux PT is optional and to be Quoted Separately)	Where the price of Aux Transformer need to be quoted. Request you to please provide the revised price schedule containing space for unit rate of Aux transformer & spares (which shall not be included in Price of RMU.)	Please refer the Annexure-1 (price schedule)
14	ENG-ELC-54 dated 15.01.2022/ CI No 5.1.5/Page No 58 of 118	An operating mechanism can be used to manually close the circuit breaker and charge the mechanism in a single movement.	The mechanism being used is stored energy, spring charged mechanism for manual charging it takes 8-9 stokes of handle to charge the spring. The closing operation is through a push button.	Accepted
15	ENG-ELC-54 dated 15.01.2022/CI No 7.0/Page No 62 of 118.(Type Test)	Test to check the total time taken to clear the faults (relay pick up+ Trip coil pick up + breaker trip) for instantaneous & time delay modes.under various settings of relay and trip coil thru secondary current injection.	This test shall be conducted as routine test in our factory.	Accepted. The same shall be done in presence of TPNODL representative.
16	ENG-ELC-54 dated 15.01.2022/CI No 7.0/Page No 62 of 118 (Routine Test)	Sf-6 chamber pressure withstands/leakage test.	Pressure withstand test shall be type test & leakage test can be done as routine test.	OK
A	TECHNICAL SPECIFICATION REF: ENG-ELC-054 (SPECIFICATION FOR 11KV RMU MOTORISED OUTDOOR TYPE)			

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1	ENG-ELC-54 dated 15.01.2022/Point No 13/ CI No 4/Page No 3.	Rated cable charging interrupting current of incomer load break switch	It shall be 26.5A instead of 10A.	Higher rating is accepted
2	ENG-ELC-54 dated 15.01.2022/Point No 32/ CI No 4/Page No 5.	Hermetically/robotically sealed unpainted stainless steel enclosure with SF6 Gas. Sealed pressure system by Laser welding so that no refilling of gas is required for 30 years. No gas work at site. Complete body shall be tamperproof to prevent access to live parts. No gaskets shall be used. No bolts shall be provided.	We will provide the same with TIG & MIG welding.	Bidder to comply as per relevant clause mentioned in tender documents.
3	ENG-ELC-54 dated 15.01.2022/Point No 35/ CI No 4/Page No 5.	Moving contacts of earthing switch shall be visible in closed position thru transparent covers AND closing shall be possible only when Isolator is open	As the contact are inside SS tank, the contacts are not visible but the mimic shows the true position of contacts as it is mounted on the contact operating shaft. Request you to accept the same.	Bidder to comply as per relevant clause mentioned in tender documents.
4	ENG-ELC-54 dated 15.01.2022/Point No 39/ CI No 4/Page No 5.	Make of Self-powered Relay & Offered Model - For TPNODL , Odisha - ABB, Ashida, Schneider, Siemens.	Only make is mentioned in this clause. Request to you, Please provide the complete model no of the Relay.	Ashida Relay - ADR241S-AM-761-09-01-28-01-00-10
6	ENG-ELC-54 dated 15.01.2022/Point No 42/ CI No 4/Page No 6.	Protection against theft Design of RMU shall be tamper & arc proof. Anti vandal screws shall be provided. Cable covers shall be pad lockable.	Padlocking arrangement is not available in Cable cover.However, cable cover are tamper & arc proof and shall be mechanical interlocked and can be opened in only earth positions.	Bidder to comply as per relevant clause mentioned in tender documents.
8	ENG-ELC-54 dated 15.01.2022/Point No 55/ CI No 4/Page No 7.	The mounting frame should be moveable up and down or to and fro but shall be fixed at coaxial position with base plat holes and bushing terminal bolts. The CT settings shall be adjustable between 50-150-300/1 Amp at terminal block. CT ratio is 50-150-300/1A, Burden is 2.5 VA, Class - 5P20.	To & Fro movement is not possible. Kindly note, due to compactness of unit we will provide CTs 50-150-300/1A, 5P10 instead of 5P20. Please accept the same.	Fixed type is acceptable . But there should be ample space for Cable upto 630sqmm.
9	ENG-ELC-54 dated 15.01.2022/Point No 68/ CI No 4/Page No 8.	a. LBS – ON/off b. ES- Open/ close c. CB disconnecter- ON/off d. CB earth switch-Open/ close	We are unable to co-relate please clarify	Pl ignore this clause
10	ENG-ELC-54 dated 15.01.2022/Point No 5(e)/ CI No 4/Page No 9.	Aux Trnsformer : 24VDC from Battery Charger and 230 VAC from Aux PT in scope of Supplier (Aux PT is optional and to be Quoted Separately)	Where the price of Aux Transformer need to be quoted. Request you to please provide the revised price schedule containing space for unit rate of Aux transformer & spares (which shall not be included in Price of RMU.)	Please refer the Annexure-1 (price schedule)

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11	ENG-ELC-54 dated 15.01.2022/Point CI No 5.1.2/Page No 10.	The RMU shall be completed with all connection and tinned copper bus bar with continuous current carrying capacity of 630A at 40 Deg C ambient.	As the busbar is inside the SF6 insulated medium so busbar shall be of bare copper.	Bidder to comply as per relevant clause mentioned in tender documents.
12	ENG-ELC-54 dated 15.01.2022/Point CI No 5.1.3/Page No 10.	Circuit breaker shall not be closed in case Earth Switch is closed.	As our Disconnecter is on busbar side & Earthing is through breaker. Earthing is always through braker closed.	Bidder to comply as per relevant clause mentioned in tender documents.
13	ENG-ELC-54 dated 15.01.2022/ CI No 5.1.5/Page No 10.	An operating mechanism can be used to manually close the circuit breaker and charge the mechanism in a single movement.	The mechanism being used is stored energy, spring charged mechanism for manual charging it takes 8-9 stokes of handle to charge the spring. The closing operation is through a push button.	Accepted
14	ENG-ELC-54 dated 15.01.2022/ CI No 5.1.5/Page No 10.	The circuit breaker shall be associated with an integrated protection unit that will operate without any auxiliary power supply and shall include three toroid transformers incorporated in the transformer tee-off bushings,	CT shall be mounted on cable in the cable compartment	Accepted in case of RMU without metering unit
15	ENG-ELC-54 dated 15.01.2022/CI No 5.1.8/Page No 12.	The size of earth busbar of GI Strip (75X12 sq.mm) shall be as per IEC/IS. Provision shall be made on end of RMU for connecting the earth bus to the earth grid by erecting suitable 2 earth pipes of 50mm dia. M.S. rod of 3 meter in Pits. Both the earth pipes are also to be connected in a grid formation. Necessary terminal clamps and connectors shall be included in the scope of supply.	External earthing is not in company scope . We shall provide 25x05 sq mm copper earthing Bus in RMU	Bidder to comply as per relevant clause mentioned in tender documents
16	ENG-ELC-54 dated 15.01.2022/CI No 5.1.11/Page No 12.	The unit shall have Short Circuit and Earth fault adjustable to different settings with separate Current transformer. They shall be fully field-programmable and shall have at least 16 settings for Earth Fault + 4 settings for Phase-Phase	Please define the FPI Make and Model. FPI not available with same setting	Siemens,C&S, EMG
17	ENG-ELC-54 dated 15.01.2022/CI No 5.1.12/Page No 13.	Bidder shall quote the cost of Field RTU (FRTU) separately with all technical details for acquisition of the signal as described I Annexure-1.	Where the price of FRTU need to be quoted. Request you to please provide the revised price schedule containing space for unit rate of FRTU & spares (which shall not be included in Price of RMU.)	Please refer the Annexure-1 (price schedule)

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18	ENG-ELC-54 dated 15.01.2022/CI No 5.1.132/Paint/Page No 13.	Note: - Suitable Canopy arrangement shall be provided for RMU.	Offered RMU is type tested for IP 54 without any canopy & extra cover.	Canopy required
19	ENG-ELC-54 dated 15.01.2022/CI No 7.0/Page No 14.(Type Test)	Test to check the total time taken to clear the faults (relay pick up+ Trip coil pick up + breaker trip) for instantaneous & time delay modes.under various settings of relay and trip coil thru secondary current injection.	This test shall be conducted as routine test in our factory.	Accepted. The same shall be done in presence of TPNODL representative
21	GCC, CI No 8.0/Page No 08	5% of the RC value in case of Rate Contract. This shall remain valid till the Guarantee periods plus one month.	Initially PBG shall be submitted 36 months. Then, it will be extended till the warranty periods. Please accept the same.	Bidder to comply as per relevant clause mentioned in tender documents.

1	General	11KV RMU	We are participating in 11KV RMU Tender only	OK
2	Spec ENG-ELC-054 – Page no. 4 of 23 – Clause 4.25	The RMU metal parts shall be greater than 2mm thickness high tensile steel/CRCA. The overall paint thickness shall be not less than 70 microns.	Clause 4.25 – says RMU metal parts shall be greater than 2mm thickness high tensile steel/CRCA, but clause 5.1.1 says to provide minimum of 2mm CRCA. We will provide RMU enclosure with minimum 2mm thick CRCA as per Type Test	Accepted . Salt Spray test is mandatory.
3	clause 5.1.1	The switchgear and bus bar shall be contained in a stainless steel tank filled with SF6 gas and the outer body shall be made of minimum CRCA of 2mm or GI high tensile steel 2mm thick		
4	Spec ENG-ELC-054 – Page no. 5 of 23 – Clause 4.35	Moving contacts of earthing switch shall be visible in closed position thru transparent covers AND closing shall be possible only when Isolator is open	The same is not possible, Earth switch ON/OFF indications are available in front mimic plate.	Bidder to comply as per relevant clause mentioned in tender documents.
5	Spec ENG-ELC-054 – Page no. 5 of 23 – Clause 4.36	The electrical interlock of cable charge with earth switch is preferred.	Kindly confirm whether it is mandatory requirement as it is mentioned preferred.	Bidder to comply as per relevant clause mentioned in tender documents.
6	Spec ENG-ELC-054 – Page no. 5 of 23 – Clause 4.37	In view of safety each VCB shall be assisted with feeder side disconnecter having 3 positions, open disconnected, closed, and earth	We will provide bus side off load type disconnecter with all the necessary and required interlocks. Kindly accept.	Bidder to comply as per relevant clause mentioned in tender documents.
7	ENG-ELC-054 – Page no. 5 of 23 – Clause 4.39	For TPNODL, ODISHA – ABB ,Ashida, Schneider, Siemens	we are considering Ashida make relay model no. ADR241S-AM-460-09-01-36-01-00-10 in line with past supplies to M/s. TPCODL.	OK

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8	ENG-ELC-054 – Page no. 6 of 23 – Clause 4.42	Design of RMU shall be tamper & arc proof. Anti vandal screws shall be provided. Cable covers shall be pad lockable. All live parts and internal parts etc. shall be covered with antitheft covers.	Cable cover is not pad lockable but with tamper and arc proof. It cannot be accessed without special tools which are supplier with RMU.	It is required.
9	ENG-ELC-054 – Page no. 6 of 23 – Clause 4.46A	Cable Termination Kit & Termination Boot in scope of Supplier. Cable Size in detailed Engineering Stage	Please note that we will consider cable boots in our scope but cable termination kits is not in our scope of supply.	Cable Termination Kit/ termination Boot shall be in Supplier's scope. Make : 3M/ Raychem
10	Spec ENG-ELC-054 – Page no. 6 of 23 – Clause 4.46	Suitable for cable sizes a. 11kV 3CX400 sq.mm having dia of 92mm in all compartment and b. For three way with two CB the LBS shall be suitable for 11kV 1CX630 sq.mm cable having diameter of 51mm in incomer LBS- the necessary cleat and nonmagnetic base plate cable entry arrangement and 15mm longer bolt than other compartment shall be provided.	We will provide 630sqmm bimetallic lug along with silicon cable boots for this requirement. Kindly accept. Also we understood that the 630sqmm cable termination required for LBS feeder only, For CB feeder, the cable size shall be 1R:3Cx400sqmm	Bidder to comply as per relevant clause mentioned in tender documents.
11	Spec ENG-ELC-054 – Page no. 7 of 23 – Clause 4.50	FPI on each LBS as a part of each RMU with specified default setting.		
12	Page no 9 of 23	3 Way/4 Way Non Extensible Type (For Outdoor application): 3 Way RMU: 2 LBS 1 VCB with Self powered O/C & E/F Relay and 1 FPI 4 Way RMU: 2 LBS 2 VCB with Self powered O/C & E/F Relay and 1 FPI	FPI on each LBS as part of each RMU. Please note that as per past supplies to TPCODL, we had provided FPI in LHS LBS (1no. LBS per RMU) only. Also page no. 9 of 23 in specs shows as below i.e. 1 FPI. So we have considered 1no. FPI per RMU which will be provided in LHS side LBS.	One FPI per two LBS
13	Spec ENG-ELC-054 – Page no. 7 of 23 – Clause 4.55	CT settings shall be adjustable between 50- 150-300/1 Amp at terminal block. CT ratio is 50-150-300/1A, Burden is 2.5 VA, Class - 5P20.	CT accuracy class shall be 5P10 instead of 5P20 due to dimension limitation in RMU. Kindly accept.	Bidder to comply as per relevant clause mentioned in tender documents.
14	Spec ENG-ELC-054 – Page no. 8 of 23 – Clause 4.73	MCB for LT AC incomer and TB connection of all CT, Aux switches and relay wiring	External 230VAC supply will be provided by the customer, we will provide battery and battery charger for 24VDC RMU control supply.	Accepted
15	Spec ENG-ELC-054 – Page no. 9 of 23 – Clause For motorized RMU point no. 2	Harting Plug arrangement for individual isolator as well as breaker motor connections, which will be fitted on RMU body itself	We will wired out all the RMU signals up to terminal block in line with past supplies to TPCODL. Harting plug arrangement will be difficult to provide in RMU due to space limitation.	Bidder to comply as per relevant clause mentioned in tender documents.

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16	Spec ENG-ELC-054 – Page no. 9 of 23 – Clause For motorized RMU point no. 5.e.–	24VDC from Battery Charger and 230 VAC from Aux PT in scope of Supplier (Aux PT is optional and to be Quoted Separately)	External 230VAC supply will be provided by the customer, we will provide battery and battery charger for 24VDC RMU control supply. We have not considered Aux PT in our scope.	This shall be as per tender Specification
17	Spec ENG-ELC-054 – Page no. 10 of 23 – Clause 5.1.2	The RMU shall be completed with all connection and tinned copper bus bar	As the main busbar will be inside the SF6 tank, we will provide bare copper main busbar.	Bidder to comply as per relevant clause mentioned in tender documents.
18	Spec ENG-ELC-054 – Page no. 10 of 23 – Clause 5.1.3	Mechanical interlocking systems shall prevent access to the operating shaft to avoid all operator errors such as closing the earth switch when cable is charged	Kindly confirm whether it is mandatory requirement	YES ,It is Mandatory requirement.
19	Spec ENG-ELC-054 – Page no. 10 of 23 – Clause 5.1.4 –	Any accidental over pressure inside the sealed chamber shall be limited by the opening of a pressure limiting device provided in the rear part of the tank. Gas shall be released to the rear of the RMU away from the operator. Bidder shall provide type test report to prove compliance to the'Internal fault IAC AFLR as per IEC 62271-200. An anti-reflex mechanism on the operating lever shall prevent any attempts to reopen immediately	Please note that the IAC pressure release shall be rear bottom inside trench away from the operator. It is AFLR design which is better than AFL design.	Bidder to comply as per relevant clause mentioned in tender documents.
20	Spec ENG-ELC-054 – Page no. 10 of 23 – Clause 5.1.5	cable test rod shall be provided which can be fixed on the terminations to facilitate testing.	Cable test rod is not in our scope of supply and Cable cover is not pad lockable but with tamper and arc proof. It cannot be accessed without special tools which are supplied with RMU.	Bidder to comply as per relevant clause mentioned in tender documents.
21	Spec ENG-ELC-054 – Page no. 11 of 23 – Clause 5.1.6	Mechanical Interlock should be provided for Earth switch, If cable is back charged Earth switch should not be closed	Kindly confirm whether it is mandatory requirement	YES
22	Spec ENG-ELC-054 – Page no. 11 of 23 – Clause 5.1.7	cable shall be held by HDPE (fire retardant) cleat. 2 runs, of 3CX400 Sq mm, OR 1R of 3 NO. 1CX630 Sq mm shall be used for cable termination.(It shall be finalized during detailed engineering)	We have considered the cable size for all the feeders as 1R of 3Cx400sqmm in line with clause 4.46. and for KVV(1LBS,2CB) RMU - 630sqmm cable for LBS feeder and 1R:3Cx400sqmm for CB feeders.	Subject to change during detailed engineering - : 11KV : 3C 400,3C 300
23	Spec ENG-ELC-054 – Page no. 12 of 23 – Clause 5.1.8	The size of earth busbar of GI Strip (75X12 sq.mm)	We will provide 90sqmm copper earth busbar as per company type tested design.	Bidder to comply as per relevant clause mentioned in tender documents.

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24	Spec ENG-ELC-054 – Page no. 12 of 23 – Clause 5.1.11	Electrically reset from remote with at least 2-spare potential free Contacts.	Please note that FPI will have 1 potential free contact for remote reset	One for remote reset and two Potential free contact for remote signalling.
25	Spec ENG-ELC-054 – Page no. 12 of 23 – Clause 5.1.11	at least 16 settings for Earth Fault + 4 settings for Phase- Phase.	Please note the FPI will be provided with approx. 8-10 steps for S/C trip current and 4-5 steps approx. for E/F trip current	FPI and O/C are two different equipment. Query is irrelevant.
26	Spec ENG-ELC-054 – Page no. 22 of 23 – Annexure-1	Phase voltage and power factor	Phase voltage and power factor signals are not appliable as there is no voltage input.	In RMUs with Metering Cubicle it is required.
27	Spec ENG-ELC-054 – Page no. 22 of 23 – Annexure-1	Scope of FRTU	FRTU related signals are not applicable as FRTU is not in our scope.	Potential Free contact for interfacing with FRTU in scope of supplier
28	FPI make and Model	FPI Make & Model	For the past supplies, we had considered EMG make EKL8000 FPI. Kindly confirm the same is to be considered for this tender also or C&S make CSFPI is acceptable.	Siemens,C&S, EMG

1	Pg. No 10 of 23 2.0 Evaluation Criteria	The bids will be evaluated commercially on over all BOQ basis (all-inclusive lowest cost) for the complete tender as calculated in Schedule of Items [Annexure I]. TPNODL however, reserves right to split the order item wise and/or quantity wise among more than one Bidder. Hence all bidders are advised to quote their most competitive rates against each item	Kindly clarify, that item wise or entire packafe evaluation will be conducted. Also, what is the ratio of qty split between L1 & orther Bidder.	As written On overall BOQ All Incl Prices not item- wise.
2	Pg. No 10 of 23 2.1 Price Variation Clause	The prices shall remain firm during the entire contract period.	The rate contract period will be from issued of Tender documents or from issuing the Rate Contract or Release Order. Will the contract period differ for date of 2 different Release Order.	Date is from RC date only, as it defines the validity of contract for 12 months
3	Pg. No 12 of 23 Signing of Bid Documents	The bid must contain the name, residence and place of business of the person or persons making the bid and must be signed and sealed by the Bidder with his usual signature.	We request you to allow Digital Signature instead of usual signature	Highly secured way always can be used
4	Pg. No 12 of 23 3.3 Bid prices	The bidder shall complete the appropriate Price Schedules included herein, stating the Unit Price for each item & total price with taxes, duties & freight up to destination for various designated sites of TPNODL	Kindly clarify material is to be delivered at different site or at common store. Kindly share the various site/store address where material to be delivered. Also, clarify the "Unloading" part, is it in manufacturer or purchaser scope.	Rates are final unloading prices at store/Site, Also, material will be delivered at our 2 Store(balasore & Jajpur) after the clearance of space at store.

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5	Pg. No 15 of 23 7.1 Special Conditions of Contract	On successful award of Contract, BA need to submit PBG of 5% of Contract Value with validity till warranty period plus one month, within 21 days of award of rate contract	Kindly allow to submit the PBG of 10% of Release Order instead of 5% of Contract Value	Yes this is in line with GCC.
6	Pg. No 16 of 23 7.1 Special Conditions of Contract	Delivery period shall be 30 days from date of receipt of release order / CAT-A issuance, whichever is later	Kindly note, delivery of the item will be within 90 days from RO / CAT 'A' GTP approval, whichever is later.	Ok 12 weeks from the approval of drawing/GTP

1	Pg. No 2 of 22 3.0 Climatic Conditions of Installation of RMU	a.Maximum ambient air temperature 50°C	The Offered RMU is designed for 630A at max ambient temp of +40 Deg C with temperature rise as per relevant IEC. The suitable current derating is applicable at higher temperature.	Bidder to comply as per relevant clause mentioned in tender documents.
2	Pg. No 06 of 22 4.0. GENERAL TECHNICAL REQUIREMENTS	41. Testing of Cable- If doors are opened then earth switch shall be in closed position with necessary interlocks and cable test rod fixing provision in bolt head which can be fixed on terminations through boot cap/opening for testing purpose AND if doors are opened it shall not be possible to operate, Isolator, E/Switch or CB through interlocks	Kindly clarify, is it mandatory to have a designed where, separate test bushing is provided without opening cable box.	This shall be as per Tender Specification
3	Pg. No 07 of 22 4.0. GENERAL TECHNICAL REQUIREMENTS	50.Fault passage indicator FPI on each LBS as a part of each RMU with specified default setting.	Kindly note, as per previous supply & tender specification it was observed that 1 FPI is provided for 2 LBS, kindly reconfirm that FPI to be provided on each LBS.	1 FPI per 2 LBS
4	Pg. No 07 of 22 4.0. GENERAL TECHNICAL REQUIREMENTS	55. Current Transformer for CB compartment The CT settings shall be adjustable between 50-150-300/1 Amp at terminal block. CT ratio is 50-150-300/1A, Burden is 2.5 VA, Class -5P20	Kindly note, due to compatness of unit we will provide CTs 50-150-300/1A, 10P10-5P10-5P10	CT Ratio shall be as per Tender Specification
5	Pg. No 07 of 22 4.0. GENERAL TECHNICAL REQUIREMENTS	60. Paint: Light Gray shade RAL 7032	Kindly note, we will offer Fascia 7046 & Enclosure 7032 as per manufacturer standard practice.	Accepted
6	Pg. No 10 of 22 5.0. GENERAL CONSTRUCTIONS	5.1.2 The RMU shall be completed with all connection and tinned copper bus bar with continuous currentcarrying capacity of 630A at 40 Deg C ambient	Kindly note, as the bus bar are enclosed in SS tank surrounded by SF6 gas tinned copper is not required. So allow as per manufacturer type tested design.	Bidder to comply as per relevant clause mentioned in tender documents.

S.No	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPNODL Response
7	Pg. No 10 of 22 5.0. GENERAL CONSTRUCTIONS	The instrument transformers (CT/PT) shall be required and to be incorporated in the drawing for discussion at the final stage.	Kindly note, therequirement of CTs, PTs, & Auxiliary Transformer, to be clarify at this stage as it directly impact the design & commercial part.	CT/PT specs are clearly mentioned in tender Specification.
8	Pg. No 10 of 22 5.1.5 Circuit Breaker for Transformer Local Feeder Control	5.5.2 The position of power contacts and earthing contacts clearly visible on the front of RMU	All contacts are in sealed SS tank. Cladding is provided over the tanks housing the interlocks with front panel. Mechanical Position indicators are provided on the front mimic without transparent covers.	Bidder to comply as per relevant clause mentioned in tender documents.
9	Pg. No 10 of 22 5.1.5 Circuit Breaker for Transformer Local Feeder Control	The Breaker contact resistance should be <=50mico ohms .	The contact resistance of the circuit breaker will be as per manufacturer's type tested design	Bidder to comply as per relevant clause mentioned in tender documents.
10	Pg. No 10 of 22 5.1.5 Circuit Breaker for Transformer Local Feeder Control	The operating mechanism shall be compatible for remote/SCADA operation	We understand LBS to be motorized, kindly reconfirm	LBS is motorised
11	Pg. No 10 of 22 5.1.5 Circuit Breaker for Transformer Local Feeder Control	5.5.11 three toroid transformers incorporated in the transformer tee-off bushings	CT shall be mounted on cable in the cable compartment	Accepted in case of RMU without metering unit
12	Pg. No 10 of 22 5.1.5 Circuit Breaker for Transformer Local Feeder Control	5.1.5 The CT settings shall be adjustable between 600 to 300/5 Amps' as per the requirement at site.	Kindly note, secondary current of 1 Amp is suffcient.	"The CT settings shall be adjustable between 600 to 300/5 Amps'as per the requirement at sitePI refer the GTP for CT ratio" Above Clause is not applicable. Please refer the GTPs for CT Specs. CT Secondary shall be 1 Amp
13	Pg. No 11 of 22 5.1.5 Circuit Breaker for Transformer Local Feeder Control	5.1.5 Termination boots as approved by the Purchaser's should have a proper opening to facilitate the testing.	Kindly clarify, make of termiantion kit if any	It shall be in Bidder's scope Make: 3M/ Raychem
14	Pg. No 11 of 22 5.1.6 Incomer Load Break Switches	Load break Switch should be operated manually & motorized.	We understand LBS to be motorized, kindly reconfirm	LBS is motorised
15	Pg. No 11 of 22 5.1.7 Bushings and Cable terminations:	2 runs, of 3CX400 Sq. mm, OR 1R of 3 NO. 1CX630 Sq. mm shall be used for cable termination.	Kindly note, due to compactness of the unit 2 run cable is not poossible, we can provide 1Rx3Cx400 Sq.mm or 1Rx1Cx630 Sq.mm of cable.	Bidder to comply as per relevant clause mentioned in tender documents.
16	Pg. No 12 of 22 5.1.8 Earthing	Necessary terminal clamps and connectors shall be included in the scope of supply	Kindly note, it should be in TPWODL scope.	Bidder to comply as per relevant clause mentioned in tender documents.
17	Pg. No 12 of 22 5.1.11 Fault Passage Indicator	c) Electrically reset from remote with at least 2-spare potential free contacts.	Kindly share approved make & model no	Siemens,C&S, EMG

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18	Pg. No 13 of 22 5.1.12 Remote Control of the RMU	5.1.12 Preferred Communication protocol for FRTU shall IEC-60870-5-104. Signal requirement for field RTU (which shall be mounted near RMU) is attached (refer Annexure1). Bidder shall quote the cost of field RTU (FRTU) separately with all technical details for acquisition of the signal as described in Annexure-1.	Kindly clarify, RMU to be supplied with FRTU or FRTU will be procure separately. Kindly share the specification of FRTU. Also, share the revised price schedule with FRTU & clarify its impact in revised acution.	FRTU is not required. However, provision for interfacing (I/Os) must be given
19	Pg. No 13 of 22 5.1.13 Paint	5.1.13 The overall paint thickness shall not be less than 100 microns ±25 microns standard The enclosure of the RMU shall be painted with shade Dark Gray, i.e., BS381C or RAL 7032.	Kindly note as per GTP Sr.No 24, the overall pain thickness shall not be less than 70 Microns. Also, we will offer Fascia 7046 & Enclosure 7032 as per manufacturer standard practice.	Not less than 70 microns thickness
20	Pg. No 14 of 22 Acceptance test	Below routine test has to be provided on cable Boot for cable termination: a) Visual inspection of the final finished product. b) Intactness with Bushing. c) Insulation Test. d) AC HV test.	Kindly clarify, touch proof cable termination is in buyer or in bidder scope.	Touch Proof Cable Termination shall be in Supplier's scope Make: 3M/ Raychem
21	Pg. No 15 of 22 9.0 Pre Dispatch Inspection		Final inspection of the RMU shall be conducted at our Factory. All cost towards the To & Fro, lodging, boarding, local conveyance will have to be borne by TPWODL.	Accepted. Or the same may be done via Virtually.
22	Pg. No 14 of 22 11.0 Guarantee	Bidder shall further be responsible for 'free replacement for another period of THREE years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Purchaser.	Request you to kindly delete the clause.	Bidder to comply as per relevant clause mentioned in tender documents.
23		Bidder has to provide quotation unit rate for below mentioned spare of RMU	Kindly note, spare cost will be quoted separately, if & when necessary. We will not consider it while offering commercial bid.	Bidder to comply as per relevant clause mentioned in tender documents.
24			Kindly share requirement of Auxiliary Transformer	The auxiliary transformer of rating 500VA, 11kV/230 Volt shall be provide a stable power source which will supply 230V AC to battery source in case of motorized RMU.
25			Kindly Share approved make list, if any.	Make will be decided during TE.

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1	NIT, Clause no. 7.4 - Warranty Period; Page no. 15/118	<p>Warranty Period: Guarantee/Warranty Period of the supplied material shall be of 60 Months from the date of supply of material at TPNODL/as per technical specification attached separately with this tender.</p>	<p>The Technical specifications (clause 11.0 on page no. 63/118) specify Guarantee 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 later. Please confirm the Guarantee period to be considered.</p>	As this is Supply job, Hence 60Months from the date of delivery at store/site
2	NIT, Clause no. 7.5 - Payment Terms; Page no. 15/118	<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 NORTHERN ODISHA DISTRIBUTION LIMITED to AGM (Elect.) / Executive Engineer (Elect.), ESD, TPNODL, Balasore. The payment shall be released within 45 days from the date of submission of certified bills/ invoices.</p>	<p>Proposed deviated clause:- 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 NORTHERN ODISHA DISTRIBUTION LIMITED to AGM (Elect.) / Executive Engineer (Elect.), ESD, TPNODL, Balasore. The payment shall be released within 45 days from the date of submission of certified bills/ invoices.</p> <p>TPNODL shall pay the invoices in full in line with the agreed payment terms. Time for payment is of the essence.</p> <p>If TPNODL fails to make any payment due to the Supplier under the Contract by the due date for payment, then, the Supplier may at its option:</p> <p>(a) require TPNODL to pay interest on the overdue amount at the rate of 18% per annum above HSBC Bank plc's base rate from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgment. TPNODL shall pay the interest together with the overdue amount.</p> <p>(b) suspend any further activity against the Contract whilst the debt remains outstanding; and</p> <p>(c) Reschedule any further performance, according to the other commitments that the Supplier has, but with a permitted slippage of at least the same period as the delay in effecting payment, without incurring any liability to TPNODL, as a consequence of such delay, or</p> <p>d) If TPNODL has not accepted or arranged delivery of the Goods within 60 Business Days of the of the date of due Delivery , or TPNODL has not paid the Supplier's invoice for such Goods, the Supplier may resell or dispose of all or part of the Goods. The Supplier shall notify TPNODL if it exercises its option to resell or dispose of the Goods and if an advance payment has been made</p>	Within 30 days from the submission of error free invoices.
3	G.C.C., Clause no. 14.0 -LIQUIDATED DAMAGES; Page no. 88/118	NA	<p>Proposed deviated clause:- Please insert the following wording at the beginning of this clause:-</p> <p>Liquidated damages shall be levied, provided that delay is attributable solely to the Supplier, in accordance with the below menitioned stipulations.</p>	As per Tender

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4	G.C.C., Clause no. 17.0 - INTELLECTUAL PROPERTY RIGHTS; Page no. 98/118	If, in the course of performance of its functions and duties as envisaged by the scope of the present GCC, the Associate acquires or develops, any unique knowledge or information which would be covered, or, is likely to be covered within the definition of a trademark, copyright, patent, business secret, geographical indication or any other form of intellectual property right, it shall be obliged, under the terms of this present GCC, to share such knowledge or information with the TPNODL. All rights, with respect to, or arising from such intellectual property, as afore mentioned, shall solely vest in TPNODL.	Proposed deviated clause:- If, in the course of performance of its functions and duties as envisaged by the scope of the present GCC, the Associate acquires or develops, any unique knowledge or information which would be covered, or, is likely to be covered within the definition of a trademark, copyright, patent, business secret, geographical indication or any other form of intellectual property right, it shall be obliged, under the terms of this present GCC, to share such knowledge or information with the TPNODL. All rights, with respect to, or arising from such intellectual property, as afore mentioned, shall solely vest in TPNODL. Not used.	As per Tender

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5	NA	NA	<p><u>Proposed new clause:-</u></p> <p>Termination for Default/Breach of Contract by TPNODL:- Without limiting its other rights or remedies, the Supplier may terminate this Contract with immediate effect by giving written notice to TPNODL if:</p> <p>(a) TPNODL commits a material breach of any term of the Contract and (if such a breach is remediable) fails to remedy that breach within 30 days of TPNODL being notified in writing to do so;</p> <p>(b) TPNODL takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of its assets or ceasing to carry on business or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction;</p> <p>(c) TPNODL suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business; or</p> <p>(d) TPNODL's financial position deteriorates to such an extent that in the Supplier's opinion TPNODL's capability to adequately fulfil its obligations under the Contract has been placed in jeopardy.</p> <p>Without limiting its other rights or remedies, the Supplier may suspend provision of the Equipment under the Contract or any other contract between the Supplier and TPNODL, if TPNODL becomes subject to any of the events listed in this clause, or the Supplier reasonably believes that TPNODL is about to become subject to any of them, or if TPNODL fails to pay any amount due under this Contract on the due date for payment.</p> <p>Without limiting its other rights or remedies, the Supplier may terminate the</p>	As per Tender
6	G.C.C., Clause no.24.1 - Cancellation; Page no. 95/118	The Company reserves the right to cancel, add, delete at its sole discretion, all or any terms of this GCC or any contract, order or terms agreed between the parties in pursuance without assigning any reasons and without any compensation to the Associates.	<p><u>Proposed deviated clause:-</u></p> <p>The Company reserves the right to cancel, add, delete at its sole discretion, all or any terms of this GCC or any contract, order or terms agreed between the parties in pursuance without assigning any reasons and without any compensation to the Associates. Not used.</p>	As per Tender

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7	G.C.C., Annexure - B - Proforma for Performance Bank Guarantee; Page no. 98/118	In accordance with the terms of the said contract, "the Vendor" agreed to furnish you with an irrevocable, unconditional and acceptable bank guarantee for 10% of the value of contract and to be valid till the end of Guarantee period plus one month towards "Contract cum Equipment performance". For this purpose you have agreed to accept the guarantee.	<p><u>Please accept following modification to the BG wording, which is in line with Tender requirements, noting that the validity of BG required as per Tender is till Guarantee Period only. The additional one month required is for "claim period", which is beyond the validity expiry date:-</u></p> <p>In accordance with the terms of the said contract, "the Vendor" agreed to furnish you with an irrevocable, unconditional and acceptable bank guarantee for 10% of the value of contract and to be valid till the end of Guarantee period plus one month towards "Contract cum Equipment performance". For this purpose you have agreed to accept the guarantee.</p>	As per Tender