

Prebid queries Response-RC for Supply of 33 & 11 kV RMU for TPCODL, TPNODL & TPSODL				
Tender Ref: TPCODL/CCG/23-24/100000591				
Sr. No.	Detailed Reference to TPSODL Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	CCG Response
1	2	3	4	5
1	Document No: Specification No: ENG-HV-2010 Clause No: 1. SCOPE: Page No: 2 of 22	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store	ABB scope is limited to design, engineering, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site Storage is not in ABB scope	This shall be as per TS
2	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 3 of 22	3Way Motorised (1CB + 2 LBS/ 2CB + 1LBS) 4Way Motorised (2CB + 2 LBS / 3CB + 1LBS) (will be decided by user at the time of issuance of tender as per site requirement)	Our Understanding Application: Outdoor LBS: Motorized VCB: Motorized Non Extensible	LBS/VCB Shall be motorized
3	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 5 of 22	The electrical interlock for preventing manual closing of earth switch under cable charged condition to be provided.	As per manufacturer type tested designed	This shall be as per TS
4	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 5 of 22	Make of Relay TPCODL/TPNODL/TPSODL/TPWODL Odisha –ABB, Ashida, Schneider, Siemens	Kindly note we will provide ABB & Ashida make relay, please share detailed model no	ADR214S
5	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 5 of 22	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 note cable test rod will be not in supplier scope.	Noted
6	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	Protection against theft - 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 interlock will be provided, instead of padlock.	Noted
7	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	Protection against Theft Cable covers shall be pad lockable	Cable covers are arc proof doors with bolted design Pad locking facility is not available	Noted
8	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	Doors Note: RMU shall be inside the enclosure.	As per type tested design	Noted
9	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	Cable Termination boot /Cable boot Cable Termination Kit & Termination Boot in scope of Supplier.( Raychem/3M Make only) Cable Size in detailed Engineering Stage	Kindly note our scope is limited to supply of cable boots along with RMU. Cable termination kit is in buyer scope.	Termination Kit/Boot in Bidder's scope
10	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	Fault passage indicator FPI on each LBS as a part of each RMU with specified default setting. FPI should be communicable type with remote resettable functionality.	Kindly clarify no of FPI required per RMU	1 FPI per ICOG
11	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 7 of 22	Current Transformer for CB compartment - 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. For TPCODL/TPNODL/TPSODL/TPWODL, ODISHA The CT settings shall be adjustable & Primary & Secondary Current and range to be decided by user at the time of issuance of tender as per site requirement Burden is 2.5 VA, Class - 5P20.	CTs postion will be fixed CTs ratio will be 50-100/1A, 5P10-5P10, 2.5VA	Noted However CTR shall be decided during detailed engineering
12	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 8 of 22	Making of earthing operations - For TPCODL/TPNODL/TPSODL/TPWODL, ODISHA All earth operation to be marked with Yellow back ground and permanent in nature.	As per manufacturer type tested designed	This shall be as per TS
13	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 7 of 22	60 Paint Light Gray shade RAL 7032	Paint shade shall be RAL 7035 & IS-632 DA Grey as per ABB standard	Noted

14	Document No: Specification No: ENG-HV-2010 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 7 of 22	55 Power Supply  Aux PT 3300/ / 220 VAC, 500VA (Optional and to be quoted Separately)	ABB scope is to consider 24V DC Battery & Battery charger only within RMU  Auxiliary transformer along with RMU will be as per Annexure-I - Lot2	This shall be as per TS
15	Document No: Specification No: ENG-HV-2010 Clause No: 5.1.6 Incomer Load Break Switches Page No: 11 of 22	Mechanical Interlock should be provided for Earth switch, If cable is back charged Earth switch should not be closed.	Cable back charge earth switch interlock is not available.  If the cable is charged VPIS shall glow continuously, The operator should observe the VPIS before closing the earth switch	This shall be as per TS
16	Document No: Specification No: ENG-HV-2010 Clause No: 5.1.6 Incomer Load Break Switches Page No: 11 of 22	BA should provide bimetallic washer for tightening of cable	Not in bidder scope	Noted
17	Document No: Specification No: ENG-HV-2010 Clause No: 5.1.6 Incomer Load Break Switches Page No: 11 of 22	The size of earth busbar of GI Strip (75X12 mm) shall be as per IEC/IS	The size & material of the earth bar shall be as per type tested design	Noted
18	Document No: Specification No: ENG-HV-2010 Clause No: 5.1.6 Incomer Load Break Switches Page No: 11 of 22	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	ABB scope is to provide only 2 earth bar provision with RMU for site earthing  Specified lines in tender is not applicable to RMU supplier	Noted
19	Document No: Specification No: ENG-HV-2010 Clause No: 5.1.12 Remote Control of the RMU Page No: 12 of 22	Bidder shall quote the cost of field RTU (FRTU) separately with all technical details for acquisition of the signal as described in Annexure-1	ABB is not quoting the cost of FRTU neither separately nor inclusive with RMU  ABB scope is limited to provide Harting plugs & DI-DO's according to Annexure-1	Scope shall be as per Tender Requirement
20	Document No: Specification No: ENG-HV-2010 Clause No: 5.1.13 Paint Page No: 12 of 22	The overall paint thickness shall be 125 microns	The overall paint thickness shall be 80 microns for OD applications	Noted
21	Document No: Specification No: ENG-HV-2010 Clause No: 5.1.13 Paint Page No: 13 of 22	The enclosure of the RMU shall be painted with shade Dark Gray, i.e., BS381C or RAL 7032	Paint shade shall be RAL 7035 & IS-632 DA Grey as per ABB standars	Noted
22	Document No: Specification No: ENG-HV-2010 Clause No: 5.1.13 Paint Page No: 13 of 22	Sufficient quantity of touch-up paint shall be furnished for application at site.	Site touch up is not recommended by ABB quality process	Noted. Transit damage to paint is not acceptable
23	Document No: Specification No: ENG-HV-2010 Clause No: 8.0 TYPE TEST CERTIFICATE Page No: 14 of 22	Type tests shall have been conducted in CPRI or any other International Laboratory during the period not exceeding time span as per CEA guidelines	Offered RMU's are designed & type tested as per applicable IEC standards We do not envisage to do re type tests on the product We shall submit the undertaking in company letter head	Noted
24	Document No: Specification No: ENG-HV-2010 Clause No: 17.0 SPARES, ACCESSORIES & SPECIAL TOOLS/GAUGES Page No: 16 of 22	17.0 SPARES, ACCESSORIES & SPECIAL TOOLS/GAUGES	Special tools are Not applicable & Spares are Not considered	Noted
25	Document No: Specification No: ENG-HV-2009 Clause No: Tentative Schematic/Layout of Metering Arrangement along with RMU Page No: 24 of 24	SLD	Below details required for the cable which is required to connect from VCB feeder to metering panel  1. Supply of cable is in whose scope ? 2. What is the size, no. of cores & make of cable? 3. Laying & routing of the cable is in whose scope ? 4. Site termination is in whose scope ?	Shall be decided during detailed engineering

S NO.	Detailed Reference to TPSODL Tender Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	CCG Response
	2	3	4	5
1	Document No: TPCODL/CCG/23-24/100000591 Clause No: 1.0 Event Information Page No: 4	Rate Contract valid for a period of Eighteen Months	Rate contract shall be valid for 12 months from the date of RC finalized. Also, we already have an RC valid for 18 months, so how this will be different from current RC.	Contracts to decide
2	Document No: TPCODL/CCG/23-24/100000591 Clause No: 2.0 Qualification Criteria Page No: 7	The bidder should either be an OEM for tender equipments or an Authorized channel partner of OEM. Authorization Letter along with MAF from OEM to be submitted in this regard. The bidder should meet the requirements as set out in the technical specification. In the case of OEM, the bidder must submit a self undertaking in this regard.	We understand here "Authorized Channel partner of OEM" is only channel partner authorized by OEM with MAF who supply the tender requirement product designed, manufactured, Tested, Invoiced & warranty owned by orinal equipment manufacturer.  We need clarification that No other Licesne module is being evaluated for this tender, which is not proven in the market.	Shall be decided during Tender evaluation
3	Document No: TPCODL/CCG/23-24/100000591 Clause No: 2.0 Qualification Criteria Page No: 7	The bidder should have dedicated service team in Odisha to attend issues within 24 hours or bidder shall develop dedicated service team in Odisha in the event of award of contract, before commencement of supplies. Bidder should submit the undertaking in this regard.	Hereby confirm that ABB has local service team to attend issues. shall depute engineer to attend the site in minimum possible time	This shall be as per TS
4	Document No: TPCODL/CCG/23-24/100000591 Clause No: 3.0 Evaluation Criteria Page No: 8	III. Bidder have to quote against each item of Schedule of Items [Annexure I] failing to do so, CCG may reject the bids.	Kindly allow us to quote agaistn few partial item of Schedule (Annexure I) We may not be interested to quote all the line items	Tender T & Cs shall prevail. However, Lot wise quoting is accepted.

5	Document No: TPCODL/CCG/23-24/100000591 Clause No: 3.5 Period of Validity of Bids Page No: 13	Bids shall remain valid for 180 days from the due date of submission of the bid.	Bids shall remain valid for 60 days from the due date of submission of the bid.	Tender T & Cs shall prevail.
6	Document No: TPCODL/CCG/23-24/100000591 Clause No: 13.1 Special Conditions of Contract Page No: 16	After finalization of tender, Rate Contract shall be issued on successful bidder with a validity period of Eighteen Months.	Rate contract shall be valid for 12 months from the date of RC finalized After 12 months price shall be varied	Tender T & Cs shall prevail.
7	Document No: TPCODL/CCG/23-24/100000591 Clause No: 13.1 Special Conditions of Contract Page No: 16	Prices shall be on FOR Basis, inclusive of Transit Insurance/ Packing & Forwarding charges and shall be inclusive of unloading & stacking at DISCOM site / store locations.	Our scope is limited to Prices shall be on FOR Basis, inclusive of Transit Insurance/ Packing & Forwarding charges and shall be inclusive of unloading store locations.	Yes along with commissioning supervision.
8	Document No: TPCODL/CCG/23-24/100000591 Clause No: 13.1 Special Conditions of Contract Page No: 16	Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later.	Delivery period shall be 120 days from date of issuance of RO/ CAT- A approval, whichever is later.	Revised Delivery Period shall be as follows: " <b>Only RMU</b> - Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later." <b>RMU with FRTU/ AUX PT</b> - Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later."
9	Document No: Clause No: Page No:	GENERAL CONDITIONS OF CONTRACT SUPPLY ORDERS	GCC shall be as agreed in the RC No. : 46000015737 Dated: 04.12.2023	Tender T & Cs shall prevail.
<b>Sr. No.</b>	<b>Detailed Reference to Tender Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CCG Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	CI 13.1, CCG & Clause No 8 of GCC, Security Cum Performance Deposit of GCC of TPCODL, TPNODL, TPSODL.	The BG of 5% of RC value shall be submitted within 30/21/15 days from date of RC valid till the warranty period +1 months. BA need to extend the BG from last RO supply till warranty period + 1month.	We request to accept the below "Initially PBG of 5% of RC value with validity of 36 months shall be submitted within 30 days from date of RC & further it shall be extended till the warranty period" for any value of the RC.	OK in case the same is in line with bank Guidelines. In such case, Bank written document shall be required to be provided.
2	CI 13.1, CCG	Delivery shall be 90 days from date of receipt of RO/CAT-A issuance whichever is later.	Request you to please accept the delivery period of 120 days from date of receipt of RO/CAT-A issuance whichever is later.	Revised Delivery Period shall be as follows: " <b>Only RMU</b> - Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later." <b>RMU with FRTU/ AUX PT</b> - Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later."
<b>Sr. No.</b>	<b>Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CCG Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 4, Sr. No.22 / Page No 4 of 22.	Temp rise above ambient of 50 deg C. (Type Tested as per IEC and complying to requirements)	Temp rise shall be as per CI 7.5 of IEC 62271-1.	Noted
2	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 4, Sr. No.39 / Page No 5 of 22.	Make of Relay: Ashida/ABB/Siemens/Schneider	Request you to please add C&S make relay also.	This shall be as per TS
3	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 4, Sr.No. 43 / Page No 6 of 22.	Doors - Outer enclosure should be hinged main door with padlock provision. Cable chamber door should not be hinged type. It should be arc proof with bolted arrangement.	Offered RMU is suitable for Outdoor Installation with IP54. It is true outdoor RMU with IP 54 type tested, & already supplied in TPCODL.	Noted
4	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 4, Sr.No. 46A / Page No 6 of 22.	Cable Termination Kit & Termination Boot in scope of Supplier. (Raychem/3M Make only) Cable Size in detailed Engineering Stage	Request you to please confirm the cable size for LBS & CB of RMU.	This shall be as per TS
5	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 4, Sr.No. 55 / Page No 7 of 22.	Current Transformer for CB compartment - Burden is 2.5 VA, Class - 5P20.	Pls provide the CT ratio & confirm the class .	5P10 CTR shall be decided during detailed engineering
6	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 4, Sr.No. 55 / Page No 7 of 22.	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.	Moveable up & down.	Noted
7	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 4, Sr.No. 62 / Page No 8 of 22.	Availability of spares- Assurance by bidder for 25 years, list of spares as mentioned in specification to be provide along with RMU lot	In specification list of spare is not given. Pl provide the same.	Supplier to ensure spare availability for 25 Yrs

8	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / motorized RMU/ e, Power Supply / Page No 9 of 22.	Power Supply - 24VDC from Battery Charger and 230 VAC from Aux PT in scope of Supplier ( Aux PT shall be included as the RMU is with metering unit).	As per this clause the Aux Transformer is required only in the RMUs which have Metering. PI confirm the RMUs without metering are without aux transformer or with aux transformer.	Aux PT is required in RMU's irrespective of having Mus or not
9	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 5.1.3 / Page No 10 of 22.	Circuit breaker shall not be closed in case Earth Switch is closed.	In offered design disconnector is on busbar side & Earthing is through breaker same as per our last supply to TPCODL.	Noted
10	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type/ CI No. 5.1.5 / Page No 10 of 22.	An operating mechanism can be used to manually close the circuit breaker and charge the mechanism in a single movement.	The opening mechanism of VCB is stored energy spring charged mechanism. The closing & spring charging mechanism are independent. Closing is through push button or closing coil and spring charging is through motor or manual operating handle.	Noted
11	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type/ CI No. 5.1.8 / Page No 10 of 22.	The size of earth busbar of GI Strip (75X12 sq.mm) shall be as per IEC/IS.	Earthing shall be by 25X5 sqmm Copper as per our last supply to TPCODL.	Noted
12	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 5.1.11 / Page No 12 of 22.	FPI shall be fully field-programmable and shall have at least 16settings for earth fault + 4settings for phase to phase.	FPI shall be fully field-programmable and shall have at least 7settings for earth fault + 4settings for phase to phase. Also arrange the make of FPI.	Noted C&S FPI
13	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 5.1.12 / Page No 13 of 22.	Bidder shall quote the cost of field RTU (FRTU) separately with all technical details for acquisition of the signal as described in Annexure-1.	No specification of FRTU received. Please arrange the Detail specification of FRTU and Also arrange the make of FRTU.	Shall be shared
14	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No 7.0 /Page No 14 of 22.	h) 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.	Noted
15	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No 7.0 /Page No 14 of 22. (Routine Test)	SF-6 chamber pressure withstands/leakage test.	Pressure withstand test is part of type test, however SF6 leakage test can be performed on SF6 gas tank before mounting to the structure.	Noted
16	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 4, Sr.No.55 / Page No 7 of 22.	Current Transformer for CB compartment - Burden is 2.5 VA, Class - 5P20.	Pls provide the CT ratio & confirm the class 5P10	CTR shall be decided during detailed engineering
17	ENG-HV-2010, Specification for 11KV RMU Motorised Outdoor Type / CI No. 5.1.4 / Page No 10 of 22.	The instrument transformers (CT/PT) shall be required and to be incorporated in the drawing for discussion at the final stage.	These RMUs are without metering. No metering CT & PT required as per specification.	In RMUs without Metering Unit , Metering CT/PT not required
<b>Sr. No.</b>	<b>Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CCG Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	ENG-HV-2010- Page No. 5 of 22 Clause No. 36 of GENERAL TECHNICAL REQUIREMENTS	The electrical interlock for preventing manual closing of earth switch under cable charged condition to be provided	If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is a mandatory requirement
2	ENG-HV-2010- Page No. 5 of 22 Clause No. 37.b of GENERAL TECHNICAL REQUIREMENTS	In view of safety each VCB shall be assisted with feeder side disconnector having 3 positions	As per our standard design, We will provide bus side off load three position disconnector connected in series with VCB instead of bushing/feeder side. We have supplied the same to TPNODL, TPDDL, TATA Power-Mumbai. Kindly accept.	Noted
3	ENG-HV-2010- Page No. 5 of 22 Clause No. 39 of GENERAL TECHNICAL REQUIREMENTS	Make of self-powered Relay & offered model	Ashida make relay is ok for us, kindly confirm any specific model to be offered or shall we offer standard ashida relay i.e. ADR241S-AM-460-09-01-36-01-00-10	Noted
4	ENG-HV-2010- Page No. 5 of 22 Clause No. 40 of GENERAL TECHNICAL REQUIREMENTS	Flag indication for CB Trip on fault in relay/mechanical or Electrical	As the protection relay front fascia is having the trip LED, separate additional flag indication for fault will not be provided. Kindly accept.	Noted
5	ENG-HV-2010- Page No. 6 of 22 Clause No. 42 of GENERAL TECHNICAL REQUIREMENTS	Anti vandal screws shall be provided.	As per our standard design, we provide allen head bolts for front panel, cable door, LV compartment door. And we will supply the allen keys along with each RMU. Anti-vandal screws will not be provided. Kindly accept.	Noted
6	ENG-HV-2010- Page No. 6 of 22 Clause No. 42 of GENERAL TECHNICAL REQUIREMENTS	Cable covers shall be pad lockable	As RMUs OEMs standard design, cable doors are without pad locking provision but with tamper, arc proof and fully interlocked. Kindly accept.	Noted

7	ENG-HV-2010- Page No. 6 of 22 Clause No. 46A of GENERAL TECHNICAL REQUIREMENTS	Cable Termination Kit & Termination Boot in scope of Supplier.(Raychem/3M Make only).	Cable termination kit shall be in TPCODL scope. We will supply cable termination boot along with RMU.	Noted
8	ENG-HV-2010- Page No. 6 of 22 Clause No. 46 of GENERAL TECHNICAL REQUIREMENTS	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	Noted, we will provide 630sqm bimetallic lug along with silicon cable boots in order to terminate the 630sqmm cable in LBS feeder of three way with two CB type RMU. Also to achieve perpendicular cable termination of 3runs x 1C x 630sqmm cable, E/F sensor of FPI will not be provided and E/F function at FPI will be disabled i.e. FPI will be provided for S/C indication with phase sensors only. Kindly accept.	Lug not in supplier's scope
9	ENG-HV-2010- Page No. 6 of 22 Clause No. 50 of GENERAL TECHNICAL REQUIREMENTS	FPI on each LBS as a part of each RMU with specified default setting. FPI should be communicable type with remote resettable functionality	FPI will be provided at extreme LHS LBS of each RMU (1no. FPI per RMU) as per specification page no. 9 of 22 wherein it is written as 1 FPI. And we will provide C&S make Model : CSFPI-E-C-H-C6-P2-E1-V3 (S/C trip current : 100-1200A (in 12 steps), E/F trip current : 20-200A (in 7 steps), S/C response time : 40-300ms (in 8 steps), E/F response time : 40-300ms (in 4 steps), 1NO for S/C indication, 1NO for E/F indication, S/C sensor dia : 18-44mm dia, E/F sensor dia : 80-100mm dia)	Noted
10	ENG-HV-2010- Page No. 7 of 22 Clause No. 55 of GENERAL TECHNICAL REQUIREMENTS	Current Transformer for CB compartment. For TPCODL/TPNODL/TPSODL/ TPWODL, ODISHA The CT settings shall be adjustable & Primary & Secondary Current and range to be decided by user at the time of issuance of tender as per site requirement Burden is 2.5 VA, Class - 5P20	Kindly confirm the CT ratio and the accuracy class shall be 5P10 due to dimension limitation in the RMU.	CTR shall be decided in Detailed Engineering.
11	ENG-HV-2010- Page No. 8 of 22 Clause No. 72 of GENERAL TECHNICAL REQUIREMENTS	MCB for LT AC incomer and TB connection of all CT, Aux switches and relay wiring	For RMUs without Aux PT & without FRTU 230VAC external supply will be provided by the customer, we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU with Aux PT without FRTU 230V AC supply will be internally derived from Aux PT and we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU without Aux PT with FRTU 230VAC external supply will be provided by the customer, we will provide a battery charger as per FRTU Specification requirement (Make Gogate Model MBCBT-2410) along with 26AH Battery back up.	Noted
12	ENG-HV-2010- Page No. 8 of 22 Clause No. 2 For Motorized RMU	Harting Plug arrangement for individual isolator as well as breaker motor connections, which will be fitted on RMU body itself.	Usually harting plug arrangement will be provided for FRTU DI/DO signals integration purpose, but here it is asked for breaker motor connections. Kindly confirm. At present, we are not considering harting plug arrangement. All the DI/DO signals for FRTU and motor connections shall be wired out to terminal block (Connectwell make).	Noted
13	ENG-HV-2010- Page No. 9 of 22 Clause No. 5.e Power Supply	24VDC from Battery Charger and 230 VAC from Aux PT in scope of Supplier. (Aux PT is optional and to be Quoted Separately)	For RMUs without Aux PT & without FRTU 230VAC external supply will be provided by the customer, we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU with Aux PT without FRTU 230V AC supply will be internally derived from Aux PT and we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU without Aux PT with FRTU 230VAC external supply will be provided by the customer, we will provide a battery charger as per FRTU Specification requirement (Make Gogate Model MBCBT-2410) along with 26AH Battery back up.	Noted

14	ENG-HV-2010- Page No. 9 of 22	3Way Motorised (1CB + 2 LBS/ 2CB + 1LBS) with Self powered O/C & E/F Relay and 1 FPI, 4Way Motorised (2CB + 2 LBS / 3CB + 1LBS) with Self powered O/C & E/F Relay and 1 FPI	As per this clause, we will provide 1no. FPI per RMU (at extreme LHS LBS).	Noted
15	ENG-HV-2010- Page No. 10 of 22 Clause No. 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	If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is required
16	ENG-HV-2010- Page No. 10 of 22 Clause No. 5.1.4	Gas shall be released to the rear of the RMU away from the operator. The instrument transformers (CT/PT) shall be required and to be incorporated in the drawing for discussion at the final stage	IAC pressure release will be rear bottom inside trench away from operation. Measuring CT/PT's are not applicable	IAC design is accepted. Wherever CT/PT is required, it must be provided.
17	ENG-HV-2010- Page No. 10 of 22 Clause No. 5.1.5	All panel covers shall be provided with anti vandal screw bolts so that opening of panel covers is only possible with special tools, which shall be provided by the Bidder. This is required to prevent pilferage. The cable cover door shall be pad lockable and shall be Tamper and Arc proof. The circuit breaker and earth switch shall be lockable in the open or closed positions by 1 to 3 padlocks.	As per our standard design, we provide allen head bolts for front panel, cable door, LV compartment door. And we will supply the allen keys along with each RMU. Anti vandal screws will not be provided. Kindly accept. And Cable doors are without pad locking provision but with tamper and arc proof. Kindly accept. Pad locking provision are available but pad locks shall be in customer scope.	Noted
18	ENG-HV-2010- Page No. 11 of 22 Clause No. 5.1.6	Mechanical Interlock should be provided for Earth switch, If cable is back charged Earth switch should not be closed.	□ If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is required
19	ENG-HV-2010- Page No. 11 of 22 Clause No. 5.1.7	2runs, 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 are considering the cable size as 1 run of 3Cx400sqmm maximum for all the feeders in all the RMU. In KVV variant (1LBS 2VCB), the incomer LBS will be considered for 3 runs of 1C x630sqmm cable. Kindly confirm. 2 runs of cable per function is optional requirement with huge cost impact on higher side, hence we need the cable size confirmation for offering.	Cable size/Run shall be finalized during detailed engineering
20	ENG-HV-2010- Page No. 11 of 22 Clause No. 5.1.8	The size of earth busbar of GI Strip (75X12 mm) shall be as per IEC/IS.	As per Eaton type tested design, we will provide 120sqmm bare copper earth busbar instead of GI strip. Kindly accept.	Noted
21	ENG-HV-2010- Page No. 12 of 22 Clause No. 5.1.11	They shall be fully field-programmable and shall have at least 16 settings for Earth Fault + 4 settings for Phase-Phase	We are offering C&S make : CSFPI-E-C-H-C6-P2-E1-V3 (S/C trip current : 100-1200A (in 12 steps), E/F trip current : 20-200A (in 7 steps), S/C response time : 40-300ms (in 8 steps), E/F response time : 40-300ms (in 4 steps), 1NO for S/C indication, 1NO for E/F indication, S/C sensor dia : 18-44mm dia, E/F sensor dia : 80-100mm dia)	Noted
22	A&T/2023/SPEC-05/FRTU - Page No. 215 of 219 Annexure 7 - FRTU Approved makes	Preferred / approved make of FRTU/ system	In Last year tender, Ashida make AFRTU was approved and the same was considered in our offer. Kindly confirm can we consider other makes such as Phoenix, Wago along with Ashida. If phoenix and Wago makes also accepted, kindly confirm the approval models.	We need the GTP to evaluate. PI submit during Tender evaluation.
23	A&T/2023/SPEC-05/FRTU - Page No. 195 of 219 Data Sheet :Contact Multiplying Relay (Digital Inputs)	Contact Multiplying Relay (Digital Inputs)	The digital inputs can be directly wired out to the FRTU without any contact multiplying relays. Kindly confirm whether CMR is mandatorily required for Digital Inputs or not.	CMR is required
24	General	FRTU Commissioning	We will provide remote support for FRTU commissioning through video call. Kindly accept.	At site service support is required
25	General	FRTU Software	Kindly confirm if any software to be included in our scope. The offered RMU will be completely configured and will be demonstrated at the time of FAT as per user's requirement. Still do we need to supply any FRTU programming and configuration software ?	It is required
26	General	DI/DO Count	As per the email from Mr. Gauri Sankar Behera (dated 18th Sep 2023 at 15:47PM), we have considered the DI/DO count for different types of RMU during last tender. We are following the same for this tender also. However CMR's will not be provided as Digital inputs to FRTU can be directly wired out.	CMR is required

27	General	OEM scope regarding FRTU	As per discussion during last tender, it was informed by M/s. TPCODL that our scope is limited to the following. a.FRTU completely wired (DI/DO/AI signals) b.Fixing of Ethernet switch c.No connecting cables between Ethernet switch and FRTU will be in our scope d.Any communication cables for upstream communication will not be in our scope Kindly confirm.	Noted
28	General	FRTU Specification	Kindly note we have considered the FRTU spec which was provided during Previous tender evaluation. Since no FRTU spec is given here we are considering the Previous one only.	it is same
<b>Sr. No.</b>	<b>Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CCG Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	ENG-HV-2009- Page No. 4 of 24 Clause No. 25 of GENERAL TECHNICAL REQUIREMENTS	The overall paint thickness shall be 125 microns. (No negative tolerance is allowed).	We will provide paint thickness as 100microns with +/-25 tolerance in line with non metering RMU spec. Kindly accept.	Accepted
2	ENG-HV-2009- Page No. 5 of 24 Clause No. 36 of GENERAL TECHNICAL REQUIREMENTS	The electrical interlock for preventing manual closing of earth switch under cable charged condition to be provided	If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is required
3	ENG-HV-2009- Page No. 5 of 24 Clause No. 37.b of GENERAL TECHNICAL REQUIREMENTS	In view of safety each VCB shall be assisted with feeder side disconnector having 3 positions	As per our standard design, We will provide bus side off load three position disconnector connected in series with VCB instead of bushing/feeder side. We have supplied the same to TPNODL, TPDDL, TATA Power-Mumbai. Kindly accept.	Noted
4	ENG-HV-2009- Page No. 6 of 24 Clause No. 39 of GENERAL TECHNICAL REQUIREMENTS	Make of self-powered Relay & offered model	Ashida make relay is ok for us, kindly confirm any specific model to be offered or shall we offer standard ashida relay i.e. ADR241S-AM-460-09-01-36-01-00-10	Noted
5	ENG-HV-2009- Page No. 6 of 24 Clause No. 40 of GENERAL TECHNICAL REQUIREMENTS	Flag indication for CB Trip on fault in relay/mechanical or Electrical	As the protection relay front facia is having the trip LED, separate additional flag indication for fault will not be provided. Kindly accept.	Noted
6	ENG-HV-2009- Page No. 6 of 24 Clause No. 42 of GENERAL TECHNICAL REQUIREMENTS	Anti vandal screws shall be provided.	As per our standard design, we provide allen head bolts for front panel, cable door, LV compartment door. And we will supply the allen keys along with each RMU. Anti-vandal screws will not be provided. Kindly accept.	Noted
7	ENG-HV-2009- Page No. 6 of 24 Clause No. 42 of GENERAL TECHNICAL REQUIREMENTS	Cable covers shall be pad lockable	As RMUs OEMs standard design, cable doors are without pad locking provision but with tamper, arc proof and fully interlocked. Kindly accept.	Noted
8	ENG-HV-2009- Page No. 6 of 24 Clause No. 46A of GENERAL TECHNICAL REQUIREMENTS	Cable Termination Kit & Termination Boot in scope of Supplier.(Raychem/3M Make only).	Cable termination kit shall be in TPCODL scope. We will supply cable termination boot along with RMU.	Cable termination kit shall be in Supplier's scope
9	ENG-HV-2009- Page No. 6 of 24 Clause No. 46 of GENERAL TECHNICAL REQUIREMENTS	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	Here LLV+M type RMU is there in scope only which has only 1 CB. So, 1C x 630 sqmm cable is not applicable here. Kindly confirm.	Cable size shall be decided during detailed engineering
10	ENG-HV-2009- Page No. 6 of 24 Clause No. 50 of GENERAL TECHNICAL REQUIREMENTS	FPI on each LBS as a part of each RMU with specified default setting. FPI should be communicable type with remote resettable functionality	FPI will be provided at extreme LHS LBS of each RMU (1no. FPI per RMU) as per specification page no. 9 of 22 wherein it is written as 1 FPI. And we will provide C&S make Model : CSFPI-E-C-H-C6-P2-E1-V3 (S/C trip current : 100-1200A (in 12 steps), E/F trip current : 20-200A (in 7 steps), S/C response time : 40-300ms (in 8 steps), E/F response time : 40-300ms (in 4 steps), 1NO for S/C indication, 1NO for E/F indication, S/C sensor dia : 18-44mm dia, E/F sensor dia : 80-100mm dia)	Noted

11	ENG-HV-2009- Page No. 8 of 24 Clause No. 72 of GENERAL TECHNICAL REQUIREMENTS	MCB for LT AC incomer and TB connection of all CT, Aux switches and relay wiring	For RMUs without Aux PT & without FRTU 230VAC external supply will be provided by the customer, we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU with Aux PT without FRTU 230V AC supply will be internally derived from Aux PT and we will provide a standard battery charger as per our standard along with 12AH Battery back up.	Noted
12	ENG-HV-2009- Page No. 9 of 24 Clause No. 2 For Motorized RMU	Harting Plug arrangement for individual isolator as well as breaker motor connections, which will be fitted on RMU body itself.	Usually harting plug arrangement will be provided for FRTU DI/DO signals integration purpose, but here it is asked for breaker motor connections. Kindly confirm. At present, we are not considering harting plug arrangement. All the DI/DO signals for FRTU and motor connections shall be wired out to terminal block (Connectwell make).	Noted
13	ENG-HV-2009- Page No. 9 of 24 Clause No. 5.f Metering Unit	Metering Unit Shall be Standalone Type & attached with RMU. It shall have Dedicated CT and PT for metering only and a metering compartment. CTR: 100/5, Acc. Cl: 0.5S ,Burden 15VA PT: 11/rt3:110/rt3, Acc. Cl:0.5 ,30VA	We will supply standalone type metering panel of TPCODL approved make. Metering panel will be separately sent to site from the OEM of HT Metering Unit. RMU will be sent to site separately from our factory and Integration between RMU & Metering Panel will be done by TPCODL at site through Cable. Supply of cable will be at TPCODL scope. Kindly accept.	Noted
14	ENG-HV-2009- Page No. 9 of 24	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	As per this clause, we will provide 1no. FPI per RMU (at extreme LHS LBS).	Noted
15	ENG-HV-2009- Page No. 10 of 22 Clause No. 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	If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is required
16	ENG-HV-2009- Page No. 10 of 24 Clause No. 5.1.4	Gas shall be released to the rear of the RMU away from the operator. The instrument transformers (CT/PT) shall be required and to be incorporated in the drawing for discussion at the final stage	IAC pressure release will be rear bottom inside trench away from operation. Measuring CT/PT's are not applicable	IAC design is accepted
17	ENG-HV-2009- Page No. 11 of 24 Clause No. 5.1.5	All panel covers shall be provided with anti vandal screw bolts so that opening of panel covers is only possible with special tools, which shall be provided by the Bidder. This is required to prevent pilferage. The cable cover door shall be pad lockable and shall be Tamper and Arc proof. The circuit breaker and earth switch shall be lockable in the open or closed positions by 1 to 3 padlocks.	As per our standard design, we provide allen head bolts for front panel, cable door, LV compartment door. And we will supply the allen keys along with each RMU. Anti vandal screws will not be provided. Kindly accept. And Cable doors are without pad locking provision but with tamper and arc proof. Kindly accept. Pad locking provision are available but pad locks shall be in customer scope.	Noted
18	ENG-HV-2009- Page No. 11 of 24 Clause No. 5.1.6	Mechanical Interlock should be provided for Earth switch, If cable is back charged Earth switch should not be closed.	If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is required
19	ENG-HV-2009- Page No. 12 of 24 Clause No. 5.1.7	2runs, 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 are considering the cable size as 1 run of 3Cx400sqmm maximum for all the feeders in all the RMU. Kindly confirm. 2 runs of cable per function is optional requirement with huge cost impact on higher side, hence we need the cable size confirmation for offering.	Cable size shall be decided during detailed engineering
20	ENG-HV-2009- Page No. 12 of 24 Clause No. 5.1.8	The size of earth busbar of GI Strip (75X12 mm) shall be as per IEC/IS.	As per Eaton type tested design, we will provide 120sqmm bare copper earth busbar instead of GI strip. Kindly accept.	Noted
21	ENG-HV-2009- Page No. 12 of 24 Clause No. 5.1.11	They shall be fully field-programmable and shall have at least 16 settings for Earth Fault + 4 settings for Phase-Phase	We are offering C&S make : CSFPI-E-C-H-C6-P2-E1-V3 (S/C trip current : 100-1200A (in 12 steps), E/F trip current : 20-200A (in 7 steps), S/C response time : 40-300ms (in 8 steps), E/F response time : 40-300ms (in 4 steps), 1NO for S/C indication, 1NO for E/F indication, S/C sensor dia : 18-44mm dia, E/F sensor dia : 80-100mm dia)	Noted
22	A&T/2023/SPEC-05/FRTU - Page No. 215 of 219 Annexure 7 - FRTU Approved makes	Preferred / approved make of FRTU/ system	In Last year tender, Ashida make AFRTU was approved and the same was considered in our offer. Kindly confirm can we consider other makes such as Phoenix, Wago along with Ashida. If phoenix and Wago makes also accepted, kindly confirm the approval models.	Shall be evaluated based on GTP/Test Reports in Tender evaluation stage.



23	A&T/2023/SPEC-05/FRTU - Page No. 195 of 219 Data Sheet :Contact Multiplying Relay (Digital Inputs)	Contact Multiplying Relay (Digital Inputs)	The digital inputs can be directly wired out to the FRTU without any contact multiplying relays. Kindly confirm whether CMR is mandatorily required for Digital Inputs or not.	CMR is required
24	General	FRTU Commissioning	We will provide remote support for FRTU commissioning through video call. Kindly accept.	Onsite support is required
25	General	FRTU Software	Kindly confirm if any software to be included in our scope. The offered RMU will be completely configured and will be demonstrated at the time of FAT as per user's requirement. Still do we need to supply any FRTU programming and configuration software ?	It is required
26	General	DI/DO Count	As per the email from Mr. Gauri Sankar Behera (dated 18th Sep 2023 at 15:47PM), we have considered the DI/DO count for different types of RMU during last tender. We are following the same for this tender also. However CMR's will not be provided as Digital inputs to FRTU can be directly wired out.	CMR is required
27	General	OEM scope regarding FRTU	As per discussion during last tender, it was informed by M/s. TPCODL that our scope is limited to the following.  a.FRTU completely wired (DI/DO/AI signals)  b.Fixing of Ethernet switch  c.No connecting cables between Ethernet switch and FRTU will be in our scope  d.Any communication cables for upstream communication will not be in our scope  Kindly confirm.	Noted
28	General	FRTU Specification	Kindly note we have considered the FRTU spec which was provided during Previous tender evaluation. Since no FRTU spec is given here we are considering the Previous one only.	Specs are same

Sr. No.	Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	CCG Response
1	2	3	4	5
1	ENG-HV-2010- Page No. 5 of 22 Clause No. 36 of GENERAL TECHNICAL REQUIREMENTS	The electrical interlock for preventing manual closing of earth switch under cable charged condition to be provided	If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is required
2	ENG-HV-2010- Page No. 5 of 22 Clause No. 37.b of GENERAL TECHNICAL REQUIREMENTS	In view of safety each VCB shall be assisted with feeder side disconnector having 3 positions	As per our standard design, We will provide bus side off load three position disconnector connected in series with VCB instead of bushing/feeder side. We have supplied the same to TPNODL,TPDDL, TATA Power-Mumbai. Kindly accept.	Noted
3	ENG-HV-2010- Page No. 5 of 22 Clause No. 39 of GENERAL TECHNICAL REQUIREMENTS	Make of self-powered Relay & offered model	Ashida make relay is ok for us, kindly confirm any specific model to be offered or shall we offer standard ashida relay i.e. ADR241S-AM-460-09-01-36-01-00-10	Noted
4	ENG-HV-2010- Page No. 5 of 22 Clause No. 40 of GENERAL TECHNICAL REQUIREMENTS	Flag indication for CB Trip on fault in relay/mechanical or Electrical	As the protection relay front facia is having the trip LED, separate additional flag indication for fault will not be provided. Kindly accept.	Noted
5	ENG-HV-2010- Page No. 6 of 22 Clause No. 42 of GENERAL TECHNICAL REQUIREMENTS	Anti vandal screws shall be provided.	As per our standard design, we provide allen head bolts for front panel, cable door, LV compartment door. And we will supply the allen keys along with each RMU. Anti-vandal screws will not be provided. Kindly accept.	Noted
6	ENG-HV-2010- Page No. 6 of 22 Clause No. 42 of GENERAL TECHNICAL REQUIREMENTS	Cable covers shall be pad lockable	As RMUs OEMs standard design, cable doors are without pad locking provision but with tamper, arc proof and fully interlocked. Kindly accept.	Noted
7	ENG-HV-2010- Page No. 6 of 22 Clause No. 46A of GENERAL TECHNICAL REQUIREMENTS	Cable Termination Kit & Termination Boot in scope of Supplier.(Raychem/3M Make only).	Cable termination kit shall be in TPCODL scope. We will supply cable termination boot along with RMU.	Termination

8	ENG-HV-2010- Page No. 6 of 22 Clause No. 46 of GENERAL TECHNICAL REQUIREMENTS	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	Noted, we will provide 630sqm bimetallic lug along with silicon cable boots in order to terminate the 630sqmm cable in LBS feeder of three way with two CB type RMU. Also to achieve perpendicular cable termination of 3runs x 1C x 630sqmm cable, E/F sensor of FPI will not be provided and E/F function at FPI will be disabled i.e. FPI will be provided for S/C indication with phase sensors only. Kindly accept.	Lug not in scope.
9	ENG-HV-2010- Page No. 6 of 22 Clause No. 50 of GENERAL TECHNICAL REQUIREMENTS	FPI on each LBS as a part of each RMU with specified default setting. FPI should be communicable type with remote resettable functionality	FPI will be provided at extreme LHS LBS of each RMU (1no. FPI per RMU) as per specification page no. 9 of 22 wherein it is written as 1 FPI. And we will provide C&S make Model : CSFPI-E-C-H-C6-P2-E1-V3 (S/C trip current : 100-1200A (in 12 steps), E/F trip current : 20-200A (in 7 steps), S/C response time : 40-300ms (in 8 steps), E/F response time : 40-300ms (in 4 steps), 1NO for S/C indication, 1NO for E/F indication, S/C sensor dia : 18-44mm dia, E/F sensor dia : 80-100mm dia)	Noted
10	ENG-HV-2010- Page No. 7 of 22 Clause No. 55 of GENERAL TECHNICAL REQUIREMENTS	Current Transformer for CB compartment. For TPCODL/TPNODL/TPSODL/ TPWODL, ODISHA The CT settings shall be adjustable & Primary & Secondary Current and range to be decided by user at the time of issuance of tender as per site requirement Burden is 2.5 VA, Class - 5P20	Kindly confirm the CT ratio and the accuracy class shall be 5P10 due to dimension limitation in the RMU.	5P10 CTR shall be decided during detailed engineering.
11	ENG-HV-2010- Page No. 8 of 22 Clause No. 72 of GENERAL TECHNICAL REQUIREMENTS	MCB for LT AC incomer and TB connection of all CT, Aux switches and relay wiring	For RMUs without Aux PT & without FRTU 230VAC external supply will be provided by the customer, we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU with Aux PT without FRTU 230V AC supply will be internally derived from Aux PT and we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU without Aux PT with FRTU 230VAC external supply will be provided by the customer, we will provide a battery charger as per FRTU Specification requirement (Make Gogate Model MBCBT-2410) along with 26AH Battery back up.	Noted
12	ENG-HV-2010- Page No. 8 of 22 Clause No. 2 For Motorized RMU	Harting Plug arrangement for individual isolator as well as breaker motor connections, which will be fitted on RMU body itself.	Usually harting plug arrangement will be provided for FRTU DI/DO signals integration purpose, but here it is asked for breaker motor connections. Kindly confirm. At present, we are not considering harting plug arrangement. All the DI/DO signals for FRTU and motor connections shall be wired out to terminal block (Connectwell make).	Noted
13	ENG-HV-2010- Page No. 9 of 22 Clause No. 5.e Power Supply	24VDC from Battery Charger and 230 VAC from Aux PT in scope of Supplier. (Aux PT is optional and to be Quoted Separately)	For RMUs without Aux PT & without FRTU 230VAC external supply will be provided by the customer, we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU with Aux PT without FRTU 230V AC supply will be internally derived from Aux PT and we will provide a standard battery charger as per our standard along with 12AH Battery back up.  For RMU without Aux PT with FRTU 230VAC external supply will be provided by the customer, we will provide a battery charger as per FRTU Specification requirement (Make Gogate Model MBCBT-2410) along with 26AH Battery back up.	Noted
14	ENG-HV-2010- Page No. 9 of 22	3Way Motorised (1CB + 2 LBS/ 2CB + 1LBS) with Self powered O/C & E/F Relay and 1 FPI, 4Way Motorised (2CB + 2 LBS / 3CB + 1LBS) with Self powered O/C & E/F Relay and 1 FPI	As per this clause, we will provide 1no. FPI per RMU (at extreme LHS LBS).	Noted

15	ENG-HV-2010- Page No. 10 of 22 Clause No. 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	If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is required
16	ENG-HV-2010- Page No. 10 of 22 Clause No. 5.1.4	Gas shall be released to the rear of the RMU away from the operator. The instrument transformers (CT/PT) shall be required and to be incorporated in the drawing for discussion at the final stage	IAC pressure release will be rear bottom inside trench away from operation. Measuring CT/PT's are not applicable	IAC design is accepted. Measuring CT/PT shall be provided wherever applicable.
17	ENG-HV-2010- Page No. 10 of 22 Clause No. 5.1.5	All panel covers shall be provided with anti vandal screw bolts so that opening of panel covers is only possible with special tools, which shall be provided by the Bidder. This is required to prevent pilferage. The cable cover door shall be pad lockable and shall be Tamper and Arc proof. The circuit breaker and earth switch shall be lockable in the open or closed positions by 1 to 3 padlocks.	As per our standard design, we provide allen head bolts for front panel, cable door, LV compartment door. And we will supply the allen keys along with each RMU. Anti vandal screws will not be provided. Kindly accept. And Cable doors are without pad locking provision but with tamper and arc proof. Kindly accept. Pad locking provision are available but pad locks shall be in customer scope.	Noted
18	ENG-HV-2010- Page No. 11 of 22 Clause No. 5.1.6	Mechanical Interlock should be provided for Earth switch, If cable is back charged Earth switch should not be closed.	<input type="checkbox"/> If it is mandatory requirement, we will provide electromagnetic interlock for Earth switch for blocking the earthing operation when cable is charged. Kindly confirm.	It is required
19	ENG-HV-2010- Page No. 11 of 22 Clause No. 5.1.7	2runs, 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 are considering the cable size as 1 run of 3Cx400sqmm maximum for all the feeders in all the RMU. In KVV variant (1LBS 2VCB), the incomer LBS will be considered for 3 runs of 1C x630sqmm cable. Kindly confirm. 2 runs of cable per function is optional requirement with huge cost impact on higher side, hence we need the cable size confirmation for offering.	Cable size shall be decided during detailed engineering
20	ENG-HV-2010- Page No. 11 of 22 Clause No. 5.1.8	The size of earth busbar of GI Strip (75X12 mm) shall be as per IEC/IS.	As per Eaton type tested design, we will provide 120sqmm bare copper earth busbar instead of GI strip. Kindly accept.	Noted
21	ENG-HV-2010- Page No. 12 of 22 Clause No. 5.1.11	They shall be fully field-programmable and shall have at least 16 settings for Earth Fault + 4 settings for Phase-Phase	We are offering C&S make : CSFPI-E-C-H-C6-P2-E1-V3 (S/C trip current : 100-1200A (in 12 steps), E/F trip current : 20-200A (in 7 steps), S/C response time : 40-300ms (in 8 steps), E/F response time : 40-300ms (in 4 steps), 1NO for S/C indication, 1NO for E/F indication, S/C sensor dia : 18-44mm dia, E/F sensor dia : 80-100mm dia)	Noted
22	A&T/2023/SPEC-05/FRTU - Page No. 215 of 219 Annexure 7 - FRTU Approved makes	Preferred / approved make of FRTU/ system	In Last year tender, Ashida make AFRTU was approved and the same was considered in our offer. Kindly confirm can we consider other makes such as Phoenix, Wago along with Ashida. If phoenix and Wago makes also accepted, kindly confirm the approval models.	This shall be evaluated during Tender evaluation
23	A&T/2023/SPEC-05/FRTU - Page No. 195 of 219 Data Sheet :Contact Multiplying Relay (Digital Inputs)	Contact Multiplying Relay (Digital Inputs)	The digital inputs can be directly wired out to the FRTU without any contact multiplying relays. Kindly confirm whether CMR is mandatorily required for Digital Inputs or not.	CME is required
24	General	FRTU Commissioning	We will provide remote support for FRTU commissioning through video call. Kindly accept.	On site support is required
25	General	FRTU Software	Kindly confirm if any software to be included in our scope. The offered RMU will be completely configured and will be demonstrated at the time of FAT as per user's requirement. Still do we need to supply any FRTU programming and configuration software ?	It is required
26	General	DI/DO Count	As per the email from Mr. Gauri Sankar Behera (dated 18th Sep 2023 at 15:47PM), we have considered the DI/DO count for different types of RMU during last tender. We are following the same for this tender also. However CMR's will not be provided as Digital inputs to FRTU can be directly wired out.	CMR is required

27	General	OEM scope regarding FRTU	As per discussion during last tender, it was informed by M/s. TPCODL that our scope is limited to the following.  a.FRTU completely wired (DI/DO/AI signals)  b.Fixing of Ethernet switch  c.No connecting cables between Ethernet switch and FRTU will be in our scope  d.Any communication cables for upstream communication will not be in our scope  Kindly confirm.	Noted
28	General	FRTU Specification	Kindly note we have considered the FRTU spec which was provided during Previous tender evaluation. Since no FRTU spec is given here we are considering the Previous one only.	Noted
<b>Sr. No.</b>	<b>Detailed Reference to Tender Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CCG Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	<b>Page No. 7 of 34- Clause No. 2.0 Pre-Qualification Criteria Sr. No. 3 Authorization</b>	The bidder should either be an OEM for tendered equipment's or an authorized channel partner of OEM.	Kindly clarify and confirm whether authorised channel partner means a trader or licensed partner of any OEM. Also please confirm goods manufactured outside OEM factory in any License partner premises are not approved. We offer and manufacture our 11KV RMU at our state of arts latest factory under our strict Global manufacturing & quality standards with highest and latest manufacturing and testing equipments. In view of above we request TPCODL to approve and accept only those RMUs which are manufactured at OEM Factory.	Shal be decided during tender evaluation
2	<b>Page No. 8 of 34- Clause No. 3.0 Evaluation Criteria</b>	Bidder has to mandatorily quote against each item of Schedule of Items [Annexure I]. Failing to do so, CCG may reject the bids.	We request you to allow bidders to quote line items wise, like your previous tender. Because all bidders do not have 33KV RMU and also all bidders do not have RMU with metering as per TPCODL design. In that case that particular bidder may not be able to participate in the tender. In your previous tender also RA happened line item wise. So kindly allow bidders to partipate, line itemwise.	Tender T & Cs shall prevail. However, Lot wise quoting is accepted.
3	<b>Page No. 11 of 34 - Clause No. 5.1.2 Second Part: Techno-Commercial Bid Sr. No.1</b>	As illustrated below: **The type tests specified in technical specifications should have been carried out within five years	As per attached CEA guideline type test validity is 10 years and not 5 years. Kindly accept the same.	Noted

4	Page No. 25 & 26 of 43 of TPCODL GCC - ANNEXURE - A, PROFORMA FOR BID SECURITY BANK GUARANTEE	<p>WHEREAS, (Name of the Bidder) _____ (hereinafter called "the BIDDER") has submitted his bid dated _____ for the (Name of Contract) _____ (hereinafter called "the BID").</p> <p>Doc. Title GENERAL CONDITIONS OF CONTRACT FOR SUPPLY ORDERS Rev. No 0 Page 26 of 43</p> <p>KNOW ALL men by these presents we (Name of the Bank) _____ of (Name of the Country) _____ having our registered office at _____ (hereinafter called "the BANK) are bound unto The TP Central Odisha Distribution Limited (TPCODL) in the sum of _____ for which payment well and truly to be made to the TPCODL the Bank binds himself, his successors and assigns by these presents.</p>	<p>In this tender, it is stated that "The EMD BG has to be strictly in the format as mentioned in General Condition of Contract" So, EMD BG format which is taken from TPCODL GCC do not state the below sentence which was there in previous tender EMD Format: "Any claim/extension under the guarantee can be lodgeable at issuing outstation bank or at Bhubaneswar branch and claim will also be payable at Bhubaneswar Branch. (To be confirmed by <b>Bhubaneswar Branch</b> by a letter to that effect)"</p> <p>Since Bhubaneswar branch requirement is not there in current tender, can we provide EMD BG from CITI Bank or JP Morgan Bank from Chennai branch.</p> <p>Kindly confirm. Need your early response Sir. Else we may not be able to submit BG in time.</p>	CCG to decide
5	General	Supervision of Commissioning	Kindly confirm supervision of commissioning of RMU has to be considered with RMU or not. If required then 1 manday per RMU is ok or not?	Supplier is expected to supervise if commissioning is done as per OEM sop to avoid equipment malfunctioning due to improper commissioning.

Sr. No.	Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	CCG Response
1	2	3	4	5
1	TPCODL/CCG/23-24/025,Page 284 of 329	Scope :This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store and performance of 33 KV motorized Ring Main Units with all accessories for trouble free & efficient performance .	Our Scope is limited to design, manufacture, testing at manufacturer's works, packing, forwarding, & supply of SF6 gas Insulated RMU as per given specification, clarification / deviation listed below. All works related to unloading of material at site / store, storage of material at site, moving at site, RMU "erection, testing and commissioning" is excluded from our scope. However, we can depute our engineer at site for supervision activities on per diem rate if required. External Cables, lugs and cable glands are not considered in our scope.	Onloading in Suppliers scope. Rest all points are noted.
1	TPCODL/CCG/23-24/025,Page 284 of 329	3. CLIMATIC CONDITIONS OF THE INSTALLATION: Max. Ambient temp	Temperature rise shall be 65 Deg C over ambient of 40 Deg C. This 65 deg.C rise over 40 deg is achieved by silver plating at busbar joints,Current carrying capacity to be defined at 105 deg.C. At 50 deg C there must be some de-rating in current ( Approx 565amp)	Noted
2	TPCODL/CCG/23-24/025,Page 310 of 329	Earthquakes of an intensity in horizontal direction  equivalent to seismic acceleration of 0.3g	Note that offered RMU is not Seismic tested .	Noted
3	TPCODL/CCG/23-24/025,Page 285 of 329	Rated Cable Charging current	Rated Cable Charging and Line Charging current is 68 Amp.	Noted

4	TPCODL/CCG/23-24/025,Page 278 of 329	Current Transformer Shall be epoxy resin and are mounted around the cable outside SF6 gas compartment. The CTs around the cables shall be supported on the sheet steel bracket base sized for CTs .CTs shall not be kept hanging or put on <u>base frame directly</u>	Mounting arrangement of CTs shall be as per previous supply to TATA Power.	CT arrangement shall be as per TS
5	TPCODL/CCG/23-24/025,Page 270 of 329	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.	We shall provide standard routine test certificate for the cable boots.	Noted
6	TPCODL/CCG/23-24/025,Page 278 of 329	48 CT Dimension Suitable for 3C x 400 Sqmm/ 1CX400Sqmm / 1CX630 Sqmm	Cable Termination is not in Scope of siemens and RMU shall be provided with a provision of 400sqmm cable Size for Both LBS and VCB.	This shall be as per TS
7	TPCODL/CCG/23-24/025,Page 286 of 329	The Overall paint thickness shall be 125 microns.	Paint Shade / Procedure / Paint Layer thickness : RAL 7032 / 7tank powder coating process / 100 +/- 25Micron	Noted
8	TPCODL/CCG/23-24/025,Page 286 of 329	Guaranteed SF6 leakage per annum: less than 0.1% for main tank.	Guaranteed SF6 leakage per annum: 0.1% for main tank.	Noted
9	TPCODL/CCG/23-24/025,Page 294 of 329	Cable cleats (full circle) HDPE/Nylon (Fire Retardant)	Cable cleats (full circle) HDPE/Nylon shall be non- Fire Retardant	Noted
10	TPCODL/CCG/23-24/025,Page 294 of 329	Size of bimetallic washer in all compartments	As per previous supply to TPDDL.	Noted
11	TPCODL/CCG/23-24/025,Page 294 of 329	CT Ratio to be decided during Detailed Engineering if applicable	If there is change in CT ratio, there shall be price implications.	This shall be as per TS. For costing related issue, may pl discuss the matter with contracts.
12	TPCODL/CCG/23-24/025,Page 288 of 329	Cable termination kit(Raychem/3M ) only.	We shall provide cable boots only, that shall be Siemens approved make. Cable Termination kits shall not be in our scope of supply.	This shall be as per TS
13	TPCODL/CCG/23-24/025,Page 289 of 329	Cable Termination Height should be 800 mm from Gland Plate	Cable Termination Height is 857 mm from Gland Plate	Noted
14	TPCODL/CCG/23-24/025,Page 298 of 329	In the event any defect is found by the Purchaser up to a period of at least 48 months from the date of commissioning or 60 months from the date of last supplies made under the contract whichever is later.	We shal provide warrantee of 48 months from the date of commissioning and 60 months from the date of supply whichever is earlier. Warranty for Battery shall be 12 months from commissioning / 18 months from supply whichever is earlier.	"Later" shall be replaced with "earlier"
15	TPCODL/CCG/23-24/025,Page 320 of 329	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 is not a mandatory type tests as per IEC62271-100 standards , thus same is not considered/ applicable .	This shall be as per TS
16	TPCODL/CCG/23-24/025,Page 321 of 329	The above tests must not have been conducted on the equipment within time frame as per latest CEA Guidelines In case of any change in design/type of Breaker already type tested and the one offered against this specification, the owner reserves the right to demand repetition of type tests, without any extra cost. All Type tests must be conducted from CPRI/ERDA, Govt Laboratory or International Laboratory.	Kindly note, some of the test reports may be older than 5 years. However, there is no change as far as tested design is concerned. Moreover, IEC does not specify about conducting repeat tests after specific durations unless there is change in design. In this view, we do not envisage any fresh type testing. However, we shall submit type test reports for type tests carried out on similar product.Type Tests are conducted on a prototype sample which is selected to meet the most onerous requirements as per IEC standards which are similar. In RMU, each and every configuration cannot be tested due to a high number of permutations & combinations of LBS (R) / VCB (L) / Cable feeders (K)	Noted

17	TPCODL/CCG/23-24/025,Page 323 of 329	Spares, Accessories & Special tools	As Gas Insulated products are maintainace free, we do not recommend any spares. If there is any spare list available , kindly let us know.	Noted
18	TPCODL/CCG/23-24/025,Page 294 of 329	The RMU shall be designed so that the position of the different devices is visible to the operator on the front of the switchboard and operations are visible as well.	The position of the power contacts and earthing contacts shall be clearly visible on the front of the RMU with the help of mechanical MIMIC with position indicators which shows the ON-OFF-EARTH position of the 3 position switch & VCB ON & VCB OFF.	Noted
19	TPCODL/CCG/23-24/025,Page 245 of 329	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.	Understood that RTU shall not be in the scope of supply, kindly clarify.	It shall be as per BOQ of Tender.
20	TPCODL/CCG/23-24/025,Page 230 of 329	Supervision of ETC/TRAINING at factory or Site.	Not Considered in offer. If required, we shall provide the additional quote.	Onsite training while commissioning of RMU is desired.
<b>Sr. No.</b>	<b>Detailed Reference to TPSODL Technical Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CGC Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	Document No: Specification No: ENG-EHV-1012 Clause No: 1. SCOPE: Page No: 2 of 22	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store	ABB scope is limited to design, engineering, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site Storage is not in ABB scope	This shall be as per TS
2	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 3 of 22	3 Way Motorised (1 CB + 2 LBS) 4 Way Motorised (2 CB + 2 LBS)	Our Understanding Application: Outdoor LBS: Motorized VCB: Motorized Non Extensible	<b>LBS/VCB Motorised, Non Extensible</b>
3	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 4 of 22	CTs for Protection: Burden : 2.5VA Ratio : 100-50/1 A Accuracy Class : 5P20	Burden : 2.5VA Ratio : 100-50/1 A Accuracy Class : 5P10	Noted but CTR shall be decided during detailed engineering
4	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 4 of 22	Min Gas Pressure 0.05 Bar G	As per type tested design & standards	Noted
5	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 4 of 22	Degree Of Protection: IP55 for Outdoor RMUs	Kindly confirm IP 54 or IP55	As per TS
6	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 5 of 22	Make of Relay TPCODL/TPNODL/TPSODL/TPWODL Odisha –ABB ,Ashida, Schneider, Siemens	Kindly note we will provide ABB & Ashida make relay, please share detailed model no	Ashida ADR214S
7	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	Protection against Theft Cable covers shall be pad lockable	Cable covers are arc proof doors with bolted design Pad locking facility is not available	Noted
8	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	Doors Note: RMU shall be inside the enclosure.	As per type tested design	Noted
9	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	41.1 Cable Termination Heat/Cold shrinkable (Raychem/3M)	For 33KV RMU cable termination shall be done with pre-mould separable screen connectors Supply of the same is not in ABB scope. Kindly also add Euromold/BBC Cellpack in approved make list	Termination Kits in supplier's scope. Make as per TS.
10	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 22	42. Height Minimum 1200mm above GL	Maximum height will be 1036 mm from base frame to bushing	Noted
11	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 7 of 22	54 Paint TPL Blue PANTON E 2727C	Paint shade shall be RAL 7035 & IS-632 DA Grey as per ABB standars	Noted

12	Document No: Specification No: ENG-EHV-1012 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 7 of 22	55 Power Supply  Aux PT 3300/ / 220 VAC, 500VA (Optional and to be quoted Separately)	ABB scope is to consider 24V DC Battery & Battery charger only within RMU  Auxiliary transformer along with RMU will be as per Annexure-I - Lot2	This shall be as per TS
13	Document No: Specification No: ENG-EHV-1012 Clause No: 5.1.6 Incomer Load Break Switches Page No: 9 of 22	Mechanical Interlock should be provided for Earth switch, If cable is back charged Earth switch should not be closed.	Cable back charge earth switch interlock is not available.  If the cable is charged VPIS shall glow continuously, The operator should observe the VPIS before closing the earth switch	This is required
14	Document No: Specification No: ENG-EHV-1012 Clause No: 5.1.7 Bushings and Cable terminations Page No: 10 of 22	BA should provide bimetallic washer for tightening of cable	Not applicable for 33KV RMU Terminations	Noted
15	Document No: Specification No: ENG-EHV-1012 Clause No: 5.1.8 Earthing: Page No: 10 of 22	The size of earth busbar of GI Strip (75X12 mm) shall be as per IEC/IS	The size & material of the earth bar shall be as per type tested design	Noted
16	Document No: Specification No: ENG-EHV-1012 Clause No: 5.1.8 Earthing: Page No: 10 of 22	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	ABB scope is to provide only 2 earth bar provision with RMU for site earthing  Specified lines in tender is not applicable to RMU supplier	Noted
17	Document No: Specification No: ENG-EHV-1012 Clause No: 5.1.12 Remote Control of the RMU Page No: 11 of 22	Bidder shall quote the cost of field RTU (FRTU) separately with all technical details for acquisition of the signal as described in Annexure-1	In line with ongoing RC, ABB is not quoting the cost of FRTU neither separately nor inclusive with RMU  ABB scope is limited to provide Harting plugs & DI-DO's according to Annexure-1	Noted
18	Document No: Specification No: ENG-EHV-1012 Clause No: 5.1.13 Paint Page No: 11 of 22	The overall paint thickness shall be 125 microns	The overall paint thickness shall be 80 microns for OD applications	Noted
19	Document No: Specification No: ENG-EHV-1012 Clause No: 5.1.13 Paint Page No: 11 of 22	The enclosure of the RMU shall be painted with shade Dark Gray, i.e., BS381C or RAL 7032	Paint shade shall be RAL 7035 & IS-632 DA Grey as per ABB standars	Noted
20	Document No: Specification No: ENG-EHV-1012 Clause No: 5.1.13 Paint Page No: 11 of 22	Sufficient quantity of touch-up paint shall be furnished for application at site.	Site touch up is not recommended by ABB quality process	Noted, But Transit paint damage is not acceptable
21	Document No: Specification No: ENG-EHV-1012 Clause No: Routine test: Page No: 12 of 22	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.	Not applicable for 33KV RMU Terminations	Noted
22	Document No: Specification No: ENG-EHV-1012 Clause No: 8.0 TYPE TEST CERTIFICATE Page No: 13 of 22	Type tests shall have been conducted in CPRI or any other International Laboratory during the period not exceeding time span as per CEA guidelines	Offered RMU's are designed & type tested as per applicable IEC standards We do not envisage to do re type tests on the product We shall submit the undertaking in company letter head	Noted
	Document No: Specification No: ENG-EHV-1012 Clause No: 17.0 SPARES, ACCESSORIES & SPECIAL TOOLS/GAUGES Page No: 14 of 22	17.0 SPARES, ACCESSORIES & SPECIAL TOOLS/GAUGES	Special tools are Not applicable & Spares are Not considered	Noted
	Document No: Specification No: ENG-EHV-1017 Clause No: Tentative Schematic/Layout of Metering Arrangement along with RMU Page No: 24 of 24	SLD	Below details required for the cable which is required to connect from VCB feeder to metering panel  1. Supply of cable is in whose scope ? 2. What is the size, no. of cores & make of cable? 3. Laying & routing of the cable is in whose scope ? 4. Site termination is in whose scope ?	Cable not in supplier's scope Cable size shall be decided in detailed engineering Routing & Laying not in supplier's scope Site termination in supplier's scope
<b>Sr. No.</b>	<b>Detailed Reference to TPSODL Technical Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CGC Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	Document No: Specification No: ENG-EHV-1017 Clause No: 1. SCOPE: Page No: 2 of 24	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site/store	ABB scope is limited to design, engineering, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at site Storage is not in ABB scope	Storage not in supplier's scope
2	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 3 of 24	3 Way Motorised (1 CB + 2 LBS) 4 Way Motorised (2 CB + 2 LBS)	Our Understanding Application: Outdoor LBS: Motorized VCB: Motorized Non Extensible Consumer Metering is required only for item 1 & 2 as per Annexure-I Lot 2	VCB/LBS shall be motorised



3	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 4 of 24	CTs for Protection: Burden : 2.5VA Ratio : 100-50/1 A Accuracy Class : 5P20	Burden : 2.5VA Ratio : 100-50/1 A Accuracy Class : 5P10	Noted but CTR shall be decided in detailed engineering
4	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 4 of 24	Min Gas Pressure 0.05 Bar G	As per type tested design & standards	Noted
5	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 4 of 24	Degree Of Protection: IP55 for Outdoor RMUs	Kindly confirm IP 54 or IP55	Mentioned in TS
6	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 24	Make of Relay TPCODL/TPNODL/TPSODL/TPWODL Odisha –ABB ,Ashida, Schneider, Siemens	Kindly note we will provide ABB & Ashida make relay, please share detailed model no	ADR214S
7	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 24	Protection against Theft  Cable covers shall be pad lockable	Cable covers are arc proof doors with bolted design Pad locking facility is not available	This shall be as per TS
8	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 24	Doors  Note: RMU shall be inside the enclosure.	As per type tested design	Noted
9	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 24	41.1 Cable Termination  Heat/Cold shrinkable (Raychem/3M)	For 33KV RMU cable termination shall be done with pre-mould separable screen connectors Supply of the same is not in ABB scope. Kindly also add Euromold/BBC Cellpack in approved make list	Termination in Supplier's scope. Make shall be as per TS.
10	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 6 of 24	42. Height Minimum 1200mm above GL	Maximum height will be 1036 mm from base frame to bushing	Noted
11	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 7 of 24	54 Paint TPL Blue PANTON E 2727C	Paint shade shall be RAL 7035 & IS-632 DA Grey as per ABB standars	Noted
12	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 7 of 24	55 Power Supply  Aux PT 3300/ / 220 VAC, 500VA (Optional and to be quoted Separately)	ABB scope is to consider 24V DC Battery & Battery charger only within RMU  As per SLD Auxiliary transformer is not provided for RMU with Consumer Metering	Noted
13	Document No: Specification No: ENG-EHV-1017 Clause No: 4.GENERAL TECHNICAL REQUIREMENTS Page No: 8 of 24	Metering Unit. Metering Unit Shall be Standalone Type & attached with RMU. It shall have Dedicated CT and PT for metering only and sealed metering compartment. Metering Compartment should not have CT & PT wiring only. CTR: 100/5, Acc. Ct: 0.2S, Burden 15VA PT: 33000/r3:110/r3, Acc. Ct:0.2 ,30VA Metering Panel shall be Type tested as per Tender Spec. Panel should have Sealing Facility as a part of Metering Requirement. (CT ratio to be decided during detailed engineering after taking consent from metering Dept.)	Cable connecting RMU with Consumer Metering is not in ABB scope of supply	Requirement shall be as per Tender Document
14	Document No: Specification No: ENG-EHV-1017 Clause No: 5.1.6 Incomer Load Break Switches Page No: 9 of 24	Mechanical Interlock should be provided for Earth switch, If cable is back charged Earth switch should not be closed.	Cable back charge earth switch interlock is not available.  If the cable is charged VPIS shall glow continuously, The operator should observe the VPIS before closing the earth switch	It is required .
15	Document No: Specification No: ENG-EHV-1017 Clause No: 5.1.7 Bushings and Cable terminations Page No: 10 of 24	BA should provide bimetallic washer for tightening of cable	Not applicable for 33KV RMU Terminations	Noted
16	Document No: Specification No: ENG-EHV-1017 Clause No: 5.1.8 Earthing: Page No: 10 of 24	The size of earth busbar of GI Strip (75X12 mm) shall be as per IEC/IS	The size & material of the earth bar shall be as per type tested design	Noted
17	Document No: Specification No: ENG-EHV-1017 Clause No: 5.1.8 Earthing: Page No: 10 of 24	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	ABB scope is to provide only 2 earth bar provision with RMU for site earthing  Specified lines in tender is not applicable to RMU supplier	Noted
18	Document No: Specification No: ENG-EHV-1017 Clause No: 5.1.12 Remote Control of the RMU Page No: 11 of 24	Bidder shall quote the cost of field RTU (FRTU) separately with all technical details for acquisition of the signal as described in Annexure-1	In line with ongoing RC, ABB is not quoting the cost of FRTU neither separately nor inclusive with RMU  ABB scope is limited to provide Harting plugs & DI-DO's according to Annexure-1	Scope shall be as per Tender

19	Document No: Specification No: ENG-EHV-1017 Clause No: 5.1.13 Paint Page No: 11 of 24	The overall paint thickness shall be 125 microns	The overall paint thickness shall be 80 microns for OD applications	Noted
20	Document No: Specification No: ENG-EHV-1017 Clause No: 5.1.13 Paint Page No: 11 of 24	The enclosure of the RMU shall be painted with shade Dark Gray, i.e., BS381C or RAL 7032	Paint shade shall be RAL 7035 & IS-632 DA Grey as per ABB standars	Noted
21	Document No: Specification No: ENG-EHV-1017 Clause No: 5.1.13 Paint Page No: 11 of 24	Sufficient quantity of touch-up paint shall be furnished for application at site.	Site touch up is not recommended by ABB quality process	Noted. But transit colour damage is not accepted.
22	Document No: Specification No: ENG-EHV-1017 Clause No: Routine test: Page No: 13 of 24	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.	Not applicable for 33KV RMU Terminations	Noted
23	Document No: Specification No: ENG-EHV-1017 Clause No: 8.0 TYPE TEST CERTIFICATE Page No: 13 of 24	Type tests shall have been conducted in CPRI or any other International Laboratory during the period not exceeding time span as per CEA guidelines	Offered RMU's are designed & type tested as per applicable IEC standards We do not envisage to do re type tests on the product We shall submit the undertaking in company letter head	Noted
24	Document No: Specification No: ENG-EHV-1017 Clause No: 17.0 SPARES, ACCESSORIES & SPECIAL TOOLS/GAUGES Page No: 14 of 24	17.0 SPARES, ACCESSORIES & SPECIAL TOOLS/GAUGES	Special tools are Not applicable & Spares are Not considered	Noted
25	Document No: Specification No: ENG-EHV-1017 Clause No: Tentative Schematic/Layout of Metering Arrangement along with RMU Page No: 24 of 24	SLD	Below details required for the cable which is required to connect from VCB feeder to metering panel  1. Supply of cable is in whose scope ? 2. What is the size, no. of cores & make of cable? 3. Laying & routing of the cable is in whose scope ? 4. Site termination is in whose scope ?	Cable shall not be in supplier's scope Cable size shall be decided in detailed engineering Laying & Routing not in supplier's scope Site termination not in supplier's scope.
<b>Sr. No.</b>	<b>Detailed Reference to TPSODL Tender Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CGC Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	Document No: TPCODL/CCG/23-24/100000591 Clause No: 1.0 Event Information Page No: 4	Rate Contract valid for a period of Eighteen Months	Rate contract shall be valid for 12 months from the date of RC finalized. Also, we already have an RC valid for 18 months, so how this will be different from current RC.	The current RC requirement is for separate qty.
2	Document No: TPCODL/CCG/23-24/100000591 Clause No: 2.0 Qualification Criteria Page No: 7	The bidder should either be an OEM for tender equipments or an Authorized channel partner of OEM. Authorization Letter along with MAF from OEM to be submitted in this regard. The bidder should meet the requirements as set out in the technical specification. In the case of OEM, the bidder must submit a self undertaking in this regard.	We understand here "Authorized Channel partner of OEM" is only channel partner authorized by OEM with MAF who supply the tender requirement product designed, manufactured, Tested, Invoiced & warranty owned by orinal equipment manufacturer.  We need clarification that No other Licesne module is being evaluated for this tender, which is not proven in the market.	Tender shall be explicitly evualed as per Tender QR.
3	Document No: TPCODL/CCG/23-24/100000591 Clause No: 2.0 Qualification Criteria Page No: 7	The bidder should have dedicated service team in Odisha to attend issues within 24 hours or bidder shall develop dedicated service team in Odisha in the event of award of contract, before commencement of supplies. Bidder should submit the undertaking in this regard.	Hereby confirm that ABB has local service team to attend issues. shall depute engineer to attend the site in minimum possible time	Revised QR shall be as follows: <b>" The bidder should have dedicated service team in Odisha/ Eastern region to attend issues within 24 hours or bidder shall develop dedicated service team in Odisha/ Eathern Region in the event of award of contract, before commencement of supplies. Bidder should submit the undertaking in this regard."</b>
4	Document No: TPCODL/CCG/23-24/100000591 Clause No: 3.0 Evaluation Criteria Page No: 8	III. Bidder have to quote against each item of Schedule of Items [Annexure I] failing to do so, CCG may reject the bids.	Kindly allow us to quote against few partial item of Schedule (Annexure I) We may not be interested to quote all the line items	Tender T & Cs shall prevail. However, Lot wise quoting is accepted.
5	Document No: TPCODL/CCG/23-24/100000591 Clause No: 3.5 Period of Validity of Bids Page No: 13	Bids shall remain valid for 180 days from the due date of submission of the bid.	Bids shall remain valid for 60 days from the due date of submission of the bid.	Tender T & Cs shall prevail.
6	Document No: TPCODL/CCG/23-24/100000591 Clause No: 13.1 Special Conditions of Contract Page No: 16	After finalization of tender, Rate Contract shall be issued on successful bidder with a validity period of Eighteen Months.	Rate contract shall be valid for 12 months from the date of RC finalized After 12 months price shall be varied	Tender T & Cs shall prevail.
7	Document No: TPCODL/CCG/23-24/100000591 Clause No: 13.1 Special Conditions of Contract Page No: 16	Prices shall be on FOR Basis, inclusive of Transit Insurance/ Packing & Forwarding charges and shall be inclusive of unloading & stacking at DISCOM site / store locations.	Our scope is limited to Prices shall be on FOR Basis, inclusive of Transit Insurance/ Packing & Forwarding charges and shall be inclusive of unloading store locations.	Tender T & Cs shall prevail. Hower unloading shall be one time event i.e.e. either at store or site.

8	Document No: TPCODL/CCG/23-24/100000591 Clause No: 13.1 Special Conditions of Contract Page No: 16	Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later.	Delivery period shall be 120 days from date of issuance of RO/ CAT- A approval, whichever is later.	Revised Delivery Period shall be as follows: " <b>Only RMU-</b> Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later." <b>RMU with FRTU/ AUX PT-</b> Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later."
9	Document No: Clause No: Page No:	GENERAL CONDITIONS OF CONTRACT SUPPLY ORDERS	GCC shall be as agreed in the RC No. : 46000015737 Dated: 04.12.2023	Tender T & Cs shall prevail.
<b>Sr. No.</b>	<b>Detailed Reference to Tender Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CCG Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	CI 13.1, CCG & Clause No 8 of GCC, Security Cum Performance Deposit of GCC of TPCODL, TPNODL, TPSODL.	The BG of 5% of RC value shall be submitted within 30/21/15 days from date of RC valid till the warranty period +1 months. BA need to extend the BG from last RO supply till warranty period + 1month.	We request to accept the below "Initially PBG of 5% of RC value with validity of 36 months shall be submitted within 30 days from date of RC & further it shall be extended till the warranty period" for any value of the RC.	OK in case the same is in line with bank Guidelines. In such case, Bank written document shall be required to be provided.
2	CI 13.1, CCG	Delivery shall be 90 days from date of receipt of RO/CAT-A issuance whichever is later.	Request you to please accept the delivery period of 120 days from date of receipt of RO/CAT-A issuance whichever is later.	Revised Delivery Period shall be as follows: " <b>Only RMU-</b> Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later." <b>RMU with FRTU/ AUX PT-</b> Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later."
<b>Sr. No.</b>	<b>Detailed Reference to Tender Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CCG Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	<b>Page No. 7 of 34- Clause No. 2.0 Pre-Qualification Criteria Sr. No. 3 Authorization</b>	The bidder should either be an OEM for tendered equipment's or an authorized channel partner of OEM.	Kindly clarify and confirm whether authorised channel partner means a trader or licensed partner of any OEM. Also please confirm goods manufactured outside OEM factory in any License partner premises are not approved. We offer and manufacture our 11KV RMU at our state of arts latest factory under our strict Global manufacturing & quality standards with highest and latest manufacturing and testing equipments. In view of above we request TPCODL to approve and accept only those RMUs which are manufactured at OEM Factory.	Tender shall be explicitly evaluated as per Tender QR.
2	<b>Page No. 8 of 34- Clause No. 3.0 Evaluation Criteria</b>	Bidder has to mandatorily quote against each item of Schedule of Items [Annexure I]. Failing to do so, CCG may reject the bids.	We request you to allow bidders to quote line items wise, like your previous tender. Because all bidders do not have 33KV RMU and also all bidders do not have RMU with metering as per TPCODL design. In that case that particular bidder may not be able to participate in the tender. In your previous tender also RA happened line item wise. So kindly allow bidders to participate, line itemwise.	Tender T & Cs shall prevail. However, Lot wise quoting is accepted.
3	<b>Page No. 11 of 34 - Clause No. 5.1.2 Second Part: Techno-Commercial Bid Sr. No.1</b>	As illustrated below: **The type tests specified in technical specifications should have been carried out within five years	As per attached CEA guideline type test validity is 10 years and not 5 years. Kindly accept the same.	Noted

4	Page No. 25 & 26 of 43 of TPCODL GCC - ANNEXURE - A, PROFORMA FOR BID SECURITY BANK GUARANTEE	<p>WHEREAS, (Name of the Bidder) _____ (hereinafter called "the BIDDER") has submitted his bid dated _____ for the (Name of Contract) _____ (hereinafter called "the BID").</p> <p>Doc. Title GENERAL CONDITIONS OF CONTRACT FOR SUPPLY ORDERS Rev. No 0 Page 26 of 43</p> <p>KNOW ALL men by these presents we (Name of the Bank) _____ of (Name of the Country) _____ having our registered office at _____ (hereinafter called "the BANK) are bound unto The TP Central Odisha Distribution Limited (TPCODL) in the sum of _____ for which payment well and truly to be made to the TPCODL the Bank binds himself, his successors and assigns by these presents.</p>	<p>In this tender, it is stated that "The EMD BG has to be strictly in the format as mentioned in General Condition of Contract" So, EMD BG format which is taken from TPCODL GCC do not state the below sentence which was there in previous tender EMD Format: "Any claim/extension under the guarantee can be lodgeable at issuing outstation bank or at Bhubaneswar branch and claim will also be payable at Bhubaneswar Branch. (To be confirmed by <b>Bhubaneswar Branch</b> by a letter to that effect)"</p> <p>Since Bhubaneswar branch requirement is not there in current tender, can we provide EMD BG from CITI Bank or JP Morgan Bank from Chennai branch.</p> <p>Kindly confirm. Need your early response Sir. Else we may not be able to submit BG in time.</p>	Tender T & Cs shall prevail.
5	General	Supervision of Commissioning	Kindly confirm supervision of commissioning of RMU has to be considered with RMU or not. If required then 1 manday per RMU is ok or not?	OEM shall deploy the commissioning engineer for supervision of testing and commissioning of the equipment, as per intimation from ODISHA DISCOM. Information for supervision shall be made to BA by respective DISCOMs in one week prior.
Sr. No.	Detailed Reference to Tender Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	CCG Response
1	2	3	4	5
1	N.I.T, Clause no. 5.1.2; Techno commercial Bid	**The type tests specified in technical specifications should have been carried out within five years (unless otherwise explicitly stated) prior to the date of opening of technical bids and test reports are to be submitted along with the bids.	The offered 33kV Ring main Units type test are carried out within 10 Years. We herewith confirm that we don't have change any design and the same design is in under execution vide rate contract with TPCODL, TPNODL & TPWODL. We request you to please accept the same.as there is no change in the design.	Noted
2	N.I.T, Clause no. 13.1.3 Special Condition of contract	BA shall submit applicable PBG as per GCC within 30 days of issuance of RC. PBG applicable shall be 5% of contract value. PBG submitted, shall be released after completion of applicable guarantee period plus one month	<p><b>Proposed deviated clause:-</b> BA shall submit applicable PBG as per GCC within 30 days of issuance of <b>RO</b>. PBG applicable shall be 5% of contract value. PBG submitted, shall be released after completion of applicable guarantee period plus one month.</p> <p>PBG link with RO will provide more clarity to maintain the data as many time RC will be extended as per site requirements and under dispatch Jobs payment was hold due to mismatching of the commercial terms.</p>	Tender T & Cs Shall prevail.
3	N.I.T, Clause no. 13.1.3 Special Condition of contract	Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later.	<p><b>Proposed deviated clause:-</b> Delivery period shall be 14-16 weeks from date of confirmation of CT Ratio &amp; Cable termination details specific for 33kV Ring Main Unit Case/ CAT-A approval, whichever is later.</p> <p>Since the 33kV Touch Proof termination kit are the long lead imported brought out items and vendor will delivered in on an average 12 weeks time so request you to please accept the same.</p>	<p>Revised Delivery Period shall be as follows: " <b>Only RMU</b>- Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later." <b>RMU with FRTU/ AUX PT</b>- Delivery period shall be 90 days from date of issuance of RO/ CAT- A approval, whichever is later."</p>

4	N.I.T, Clause no. 13.1.4 Special Condition of contract	Guarantee Period shall be as per the technical specification attached with the tender: A period of atleast 48 months from the date of commissioning or 60 months from the date of last supplies made under the contract, whichever is later.	<b>Proposed deviated clause:-</b> Guarantee period shall be 48 months from the date of commissioning or 60 months from the date of supplies , whichever is earlier	Revised clause may be read AS: "Guarantee period shall be 48 months from the date of commissioning or 60 months from the date of supplies , whichever is earlier".
4	N.I.T, Clause no. 13.1.9 Special Conditions of Contract.	Any change in statutory taxes, duties and levies during the contract period shall be borne by respective TP Odisha DISCOM. However, in case of delay in supply owing to reasons not attributable to TP Odisha DISCOM, any increase in total liability shall be passed on the Bidder, whereas any benefits arising owing to such statutory variation in taxes and duties shall be passed on TP Odisha DISCOM.	<b>Proposed deviated clause:-</b> Any change in statutory taxes, duties and levies during the contract period shall be borne by respective TP Odisha DISCOM. However, in case of delay in supply owing to reasons not solely attributable to TP Odisha DISCOM Bidder, any increase in total liability shall be passed on the Bidder, whereas any benefits arising owing to such statutory variation in taxes and duties shall be passed on TP Odisha DISCOM.	Tender T & Cs shall prevail.
5	G.C.C., Clause no. 14.0 -LIQUIDATED DAMAGES	NA	<b>Proposed deviated clause:-</b> Please insert the following wording at the beginning of this clause:-  Liquidated damages shall be levied, provided that delay is attributable solely to the Supplier, in accordance with the below mentioned stipulations.	Tender T & Cs shall prevail.
6	G.C.C., Clause no. 17.0 - INTELLECTUAL PROPERTY RIGHTS	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 TPCODL/TPNODL/TPSODL. All rights, with respect to, or arising from such intellectual property, as afore mentioned, shall solely vest in TPCODL/TPNODL/TPSODL.	<b>Proposed deviated clause:-</b> 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 TPCODL/TPNODL/TPSODL. All rights, with respect to, or arising from such intellectual property, as afore mentioned, shall solely vest in TPCODL/TPNODL/TPSODL. Not used.	Tender T & Cs shall prevail.

6	NA	NA	<p><u>Proposed new clause:-</u></p> <p>Termination for Default/Breach of Contract by DISCOM:- Without limiting its other rights or remedies, the Supplier may terminate this Contract with immediate effect by giving written notice to DISCOM if:</p> <p>(a) DISCOM 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 DISCOM being notified in writing to do so;</p> <p>(b) DISCOM 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) DISCOM suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business; or</p> <p>(d) DISCOM's financial position deteriorates to such an extent that in the Supplier's opinion DISCOM'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 DISCOM, if DISCOM becomes subject to any of the events listed in this clause, or the</p>	Tender T & Cs shall prevail.
7	G.C.C., Clause no.24.1 - Cancellation	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><del>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.</del> Not used.</p>	
<b>Sr. No.</b>	<b>Detailed Reference to Tender Document. Please specify Document No / Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>CCG Response</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	GCC, CI No 8.0	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.	OK in case the same is in line with bank Guidelines. In such case, Bank written document shall be required to be provided.