

Sr. No.	Clause ref.	Page no	Detailed Reference to TPSODL Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPSODL Response
1			2	3	4	5
1			Your Bid clause no. 1.7 Qualification Criteria, point 1.7.1: The bidder should have an average annual turnover of Rs.100 Crores in any of last three financial years out of FY 17-18, FY 18-19, FY 19-20 and FY 20-21.	Your Bid clause no. 1.7 Qualification Criteria, point 1.7.1: The bidder should have an average annual turnover of Rs.100 Crores in any of last three financial years out of FY 17-18, FY 18-19, FY 19-20 and FY 20-21.	Entec's turnover documents will suffice your criteria requirement? M/s Entec is the principal house and has authorised Sarthak Components Pvt. Ltd. (SCPL) to bid on their behalf. We shall submit SCPL and Entec's turnover documents.	Reference QR 1.7.6 as mentioned below, you may participate provided requisite documentary proof of past relationship is submitted. "Indian companies in joint venture relationship with global OEM or authorized Indian channel partner/sales representative of global OEM are also eligible to bid if the qualification requirements stated above are met independently or in combination with the OEM. Authorization letter / certificate from the OEM to be submitted along with bid".
2			Your Bid Annexure -II, Clause no. 2. Scope of work: The scope shall include design, engineering, manufacturing, shop testing at manufacturers works before dispatch, packing, loading, transportation, transit insurance, unloading at TPSODL site. Installation, testing, commissioning and integration of auto-reclosers and sectionalizers up to TPSODL ADMS	Your Bid Annexure -II, Clause no. 2. Scope of work: The scope shall include design, engineering, manufacturing, shop testing at manufacturers works before dispatch, packing, loading, transportation, transit insurance, unloading at TPSODL site. Installation, testing, commissioning and integration of auto-reclosers and sectionalizers up to TPSODL ADMS	The Scope of Work and Price schedule in Annexure-I are not in-line. The schedule format should have/be mentioned with other line items eg. Modem, M2M gateway, Software, Earthing, LA, and spares if any along with service job work break-up	Supply of Autorecloser & sectionaliser along with complete accessories in the bidder's scope. Supervision of Installation, testing & commissioning will also in the scope of bidder.
3			Your bid point no. 17. Spares, accessories & tools: The bidder shall submit a list of spares recommended for commissioning along with item-	Your bid point no. 17. Spares, accessories & tools: The bidder shall submit a list of spares recommended for commissioning along with item-wise price.	Your price schedule format as per NIT is not complying and non-compliance of the price schedule format may lead to bid rejection, mention in NIT	The bidder shall recommend the list of critical spares along with item-wise price. It will not be quoted in price schedule.
4			c) IEEE C37.63-2005: Overhead, Pad mounted, Dry Vault and Submersible Automatic Line Sectionalizer for AC system	c) IEEE C37.63-2005: Overhead, Pad mounted, Dry Vault and Submersible Automatic Line Sectionalizer for AC system	IEC62271-111 standard shall be applicable to meet the requirement of tender specification. With our recloser, we can fully comply with technical requirement for sectionalizer	IEC62271-111 standard will be applicable for autorecloser along with standads mentioned in the clause no. 2 of the tender specification
5			General technical requirement	General technical requirement	Since the requirement for sectionalizer with magnetic actuator/HCEP solid insulation and over current protection function, we will offer our solid recloser for sectionalizer. The interrupting medium will be vacuum instead of SF6 gas. Please accept our solution	Autorecloser shall have Vacuum bottles as interrupting medium, and sectionliser with SF6 interrupting medium accepted. Insulation medium shall be HCEP as per specifications
			Sectionalizer – SF6	Sectionalizer – SF6		
8			General Construction B. Sectionalizer The sectionalizer shall consist of three pole assemblies where on load operation shall be done in SF6	General Construction B. Sectionalizer The sectionalizer shall consist of three pole assemblies where on load operation shall be done in SF6	The ratio of our CT is 1000/1 and the accuracy class is Class 1, 5P20. Our protection relay is digital device so it can meet technical requirement with our proposed ratio (1000/1). Our proposed CT is ring core type which will be molded inside HCEP housing. Please accept our proposed CT ratio (1000/1), accuracy class (5P20, Class 1) and type (ring	Ratio may be acceptable however all other parameter for CT shall be as per tender specification.
			CT Ratio : 600/1	CT Ratio : 600/1		
			Accuracy : 630A +/-0.5%, 1KA-12KA +/-2.5%, CT Type : Cast resin	Accuracy : 630A +/-0.5%, 1KA-12KA +/-2.5%, CT Type : Cast resin		
			4.17 Instrument transformer Please accept our proposed RVD with accuracy class (1%)	4.17 Instrument transformer	Ratio : Our proposed CT ratio is 1000/1.	CVT is required
			The CT ratio shall be minimum 600/1		Our protection relay is digital device so it can meet technical requirement with our proposed ratio (1000/1). Please accept our CT ratio. Type & Accuracy : Our recloser will be equipped with RVD (Resistive Voltage Divider) instead of CVT. The accuracy of our proposed RVD is 1%. Please accept our proposed RVD with accuracy class (1%)	

9		For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally and there shall be no external access to the connections. Accuracy class of the Instrument transformers shall be 0.5 preferably VTs on the load side shall be provided by the bidder. The VT input shall directly connect to the control unit for protection and metering requirements.	The CT ratio shall be minimum 600/1 For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally and there shall be no external access to the connections. Accuracy class of the Instrument transformers shall be 0.5 preferably VTs on the load side shall be provided by the bidder. The VT input shall directly connect to the control unit for protection and metering requirements.	Our proposed RVD will be molded inside HCEP housing. It will not be exposed outside in order to prevent any damage from outside surge. Any separate VT for protection and metering requirements will not be provided other than RVD. Please accept our proposed solution.	
10		CONROLLER FEATURE – RECLOSER	CONROLLER FEATURE – RECLOSER	The contact wear will be provided as monitoring function in our controller. Instead of LED, An alarm for contact wear will be provided. Please accept our solution	Ok Noted
		4.18.2. Following indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	4.18.2. Following indicating LEDs shall be provided by the bidder: Contact and Breaker Health status		
11		4.18.6 Following communication features for the Control shall be provided by the bidder:	4.18.6 Following communication features for the Control shall be provided by the bidder:	Our proposed controller will have USB port on front part of relay and RS232 port will be on the side part of relay. USB Port is more advanced solution for interfacing with PC.	Ok Noted
		b. Front Panel (FP) RS-232 port	b. Front Panel (FP) RS-232 port.	Please accept this construction	
12		CONROLLER FEATURE – Sectionalizer	CONROLLER FEATURE – Sectionalizer	The contact wear will be provided as monitoring function in our controller. Instead of LED, An alarm for contact wear will be provided. Please accept our solution	Ok Noted
		4.19.2. Following indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	4.19.2. Following indicating LEDs shall be provided by the bidder: Contact and Breaker Health status		
13		5.1.3 Current and Voltage Sensing:	5.1.3 Current and Voltage Sensing:	Our recloser will be equipped with RVD (Resistive Voltage Divider) instead of CVT. The accuracy of our proposed RVD is 1% which is better than CVD (3%)	CVT is required
		For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally	For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally	Please accept our proposed RVD.	
14		5.4 Battery Backup	5.4 Battery Backup	Our controller will provide only one DC Voltage (12V DC or 24V DC). Only single DC voltage will be provided. The DC voltage will be confirmed during design stage. There is no fuse for DC output in our controller since it is DC voltage outlet. Please accept our solution.	Ok Noted however requirement of respective voltage will be finalised during detail engineering.
		a. A built in isolated 12/24 V DC fused auxiliary output for powering radios/modems shall be provided	a. A built in isolated 12/24 V DC fused auxiliary output for powering radios/modems shall be provided		
15		c. The Control cabinet AC power input shall have integrated high-energy surge protection and line fuse to protect the control from incoming line surges.	c. The Control cabinet AC power input shall have integrated high-energy surge protection and line fuse to protect the control from incoming line surges.	Our controller will be equipped with MCB instead of fuse for protection. MCB is better solution since it can be operated again even after tripping while fuse should be replaced once it was burnt from fault current.	OK Noted
		The integrated power supply shall have staged shutdown feature to protect the electronic components during extreme temperatures.	The integrated power supply shall have staged shutdown feature to protect the electronic components during extreme temperatures.	The shutdown feature for extreme temperatures will not be provided. Our controller is in compliance with maximum ambient temperature. Please accept our solution.	
16		7.1 Auto-recloser:	7.1 Auto-recloser:	The following test is excluded from type test report since our proposed recloser is not series-trip recloser.	OK Noted
		7.1.1 Type Tests:	7.1.1 Type Tests:		
		i) Insulation (dielectric) tests	i) Insulation (dielectric) tests	* Surge current test; series-trip Reclosers/Fis	
		ii) Switching tests	ii) Switching tests		
		iii) Making current capability	iii) Making current capability		
		iv) Rated symmetrical interrupting	iv) Rated symmetrical interrupting current tests		
		v) Minimum tripping current tests	v) Minimum tripping current tests		
		vi) Partial discharge (corona) test	vi) Partial discharge (corona) tests		
		vii) Radio influence voltage test	vii) Radio influence voltage tests (RIV)		
		viii) Surge current test; series-trip	viii) Surge current test; series-trip Reclosers/Fis		
		ix) Temperature rise test	ix) Temperature rise test		
		x) Time-current tests	x) Time-current tests		
	xi) Mechanical duty test	xi) Mechanical duty test			
	xii) Control electronic elements surge withstand capability (SWC) tests	xii) Control electronic elements surge withstand capability (SWC) tests			

			7.1.2 Routine tests:	7.1.2 Routine tests:	The following test will be excluded from routine test since it is not required as per IEC 62271-111. * Water leak test	Specification to be complied. Kindly refer clause no 7.4.2 of Routine test of IEC 62271-111
			j) Reclosing and over current trip	j) Reclosing and over current trip calibration		
17			ii) Control, secondary wiring, and accessory devices check tests	ii) Control, secondary wiring, and accessory devices check tests		
			iii) Dielectric withstand test; 1-min. dry power-frequency	iii) Dielectric withstand test; 1-min. dry power-frequency		
			iv) Partial discharge test	iv) Partial discharge test		
			v) Mechanical operations tests	v) Mechanical operations tests		
			vi) Water leak test	vi) Water leak test		
18			7.2 Sectionalizer:	7.2 Sectionalizer:	As we will offer recloser for sectionalizer in accordance with IEC 62271-111. Type test for sectionalizer will be the same as recloser.	Ok Noted
			7.2.1 Type tests:	7.2.1 Type tests:		
			i) With stand voltage tests	i) With stand voltage tests	The following test is excluded from type test report since it is not required in IEC 62271-111.	Type test as per IEC 62271-111 will be followed
			ii) Continuous current tests	ii) Continuous current tests	* Operating duty tests	
			iii) Switching tests	iii) Switching tests	* Minimum actuating current tests	
			iv) Short time withstand current tests	iv) Short time withstand current tests		
			v) Fault making current tests	v) Fault making current tests	Temperature rise test is included instead of continuous current test.	
			vi) Mechanical operation tests	vi) Mechanical operation tests		
			vii) Radio influence voltage tests	vii) Radio influence voltage tests		
			viii) Operating duty tests	viii) Operating duty tests		
			ix) Partial discharge (corona) tests	ix) Partial discharge (corona) tests		
		x) Minimum actuating current tests	x) Minimum actuating current tests			
19			7.2.2 Routine tests for Sectionalizer: Routine tests shall be same as in Auto-recloser, except that the calibration test shall be performed as per IEEE Std C37.63-2003.	7.2.2 Routine tests for Sectionalizer: Routine tests shall be same as in Auto-recloser, except that the calibration test shall be performed as per IEEE Std C37.63-2003.	The following test will be excluded from routine test since it is not required as per IEC 62271-111. * Water leak test	Specification to be complied. Kindly refer clause no 7.4.2 of Routine test of IEC IEC 62271-111
					* Calibration test shall be performed as per IEEE Std C37.63-2003.	Ok Noted
					The applicable standard will be IEC 62271-111 for sectionalizer since we will offer recloser for sectionalizer	Ok Noted
20			8.0 Type Test Report	8.0 Type Test Report	We are submitting type test report along with our bid. The following test reports were issued earlier than 5 years before bid closing date.	OK, type test reports not older than 10 years will be accepted only if bidder certifies that BA has not done any design related changes in the offered product
			The bidder shall furnish the type test certificates for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI / ERDA as per the relevant standards. Type test shall have been conducted in certified Test Laboratories during the period not exceeding 5 years from the date of opening the bid. In the event of any discrepancy in the test reports i.e. any test report not acceptable, same shall be carried out without any cost implication to TPNODL.	The bidder shall furnish the type test certificates for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI / ERDA as per the relevant standards. Type test shall have been conducted in certified Test Laboratories during the period not exceeding 5 years from the date of opening the bid. In the event of any discrepancy in the test reports i.e. any test report not acceptable, same shall be carried out without any cost implication to TPNODL.	* 2010TS01639/KERI : 2 nd August 2010	
					* TDT2108-10/KEMA : 16 th August 2010	
					Since didn't change our design of recloser, we request TPSODL to accept our type test report	
22	1.1	5 of 24	Open Tenders are invited in through e-tender bidding process from interested Bidders for entering into a Rate Contracts valid for a period of 1.5 Year as defined below	Open Tenders are invited in through e-tender bidding process from interested Bidders for entering into a Rate Contracts valid for a period of 1 Year as defined below	The rate contract shall be valid for a period of 1 year only.	No Change
23	1.7.3	6 of 24	Bidder or OEM should have either executed 100% of total tender qty during last three financial years or single order of 50% of total tender qty during last three financial years or 2 orders of 30% each of total tender quantity for last 3 financial years.	Bidder or OEM should have executed utility orders with 100% of total tender qty during last three financial years or single order of 50% of total tender qty during last three financial years or 2 orders of 30% each of total tender quantity for last 3 financial years.	The tendered qty is very small hence qualification criteria shall be limited to 100% of past executed order only. Also only utility orders shall be considered for subject evaluation.	No Change

24	1.7.6	6 of 24	Indian companies in joint venture relationship with global OEM or authorized Indian channel partner/sales representative of global OEM are also eligible to bid if the qualification requirements stated above are met independently or in combination with the OEM.	Only OEM, Indian companies in JV with global OEM should be allowed to bid. In case of sales representative authorization letter / certificate from the OEM to be submitted along with bid.	Allowing authorized channel partner to bid will not ensure after sales service support to TPSODL since channel partners will not be able to carry out service activities and global OEM shall not have any liability since they have not quoted directly. Hence if TPSODL want to allow channel partners to bid then we recommend to ask OEM to submit performance BG.	No Change
25	2.1	7 of 24	Price Variation Clause: The prices as finalized shall remain firm during the entire contract period.	Price Variation Clause: The prices as finalized shall remain variable with base date of September 2021 in line with PV formula.	Looking into the current situation of commodity globally we request you to kindly consider variable prices instead of FIRM. This will also help manufacturers to quote most competitive prices without considering any risk provisions.	No Change
26	3.9	11 of 24	The type tests specified in TPSODL specifications should have been carried out within five years prior to the date of opening of technical bids and test reports are to be submitted along with the bids.	The type tests specified in TPSODL specifications should have been carried out within TEN years prior to the date of opening of technical bids and test reports are to be submitted along with the bids.	As per the latest guidelines type test reports within ten years are acceptable. Moreover please note that we have not done any design related changes in the offered product since its type test hence we do not envisage repetition of said tests. Therefore request TPSODL to accept our type test reports which are more than 5 years old.	OK, type test reports not older than 10 years will be accepted only if bidder certifies that BA has not done any design related changes in the offered product
27	4.6	12 of 24	Reverse Auctions	Reverse auction shall not be applicable	As per management guidelines we can not participate in reverse auction hence please consider L1 price during price bid opening as the winning price.	No Change
28	7.1	13 of 24	After finalization of tender, Rate Contract shall be issued on successful bidder with a validity period of One and half Year.	After finalization of tender, Rate Contract shall be issued on successful bidder with a validity period of One Year.	The rate contract shall be valid for a period of 1 year only.	No Change
29	7.1	13 of 24	PBG applicable shall 5% of Rate Contract Value	PBG applicable shall 5% of order Value	PBG shall be submitted for released order value instead of entire rate contract value	No Change
30	7.2	13 of 24	The material shall be delivered within 60 days from issue of approved drawings or issue of RO whichever is later for 1st order/lot and for balance orders/lot material shall be delivered within 60 days from issue of RO.	Delivery period shall be 14-16 weeks from the approval of GTPs, drawings or release of manufacturing clearance, whichever is later.	Looking into the current situation of global supply chain (such as shortage of electronic components, delayed shipments etc) request you to kindly consider delivery within 14-16 weeks for delivery.	The material shall be delivered within 90 days from issue of approved drawings or issue of RO whichever is later for 1st order/lot and for balance orders/lot material shall be delivered within 90 days from issue of RO.
31	7.2	14 of 24	The bidder shall strive for faster execution to complete the installation, charging & HOTO within specified time.	Only supervision of erection & commissioning shall be in scope of bidder. Installation, charging/commissioning etc shall not	Only supervision of erection & commissioning shall be in scope of bidder. Installation, charging/commissioning etc shall not be in bidders scope of supply.	Supply of Autorecloser & sectionaliser along with complete accessories in the bidder's scope. Supervision of
32	7.3	14 of 24	- On completion of supply of complete material - 70% of invoice amount shall be paid within one month from the date of receipt of verified invoice(s) at TPSODL. - On completion of installation - 10% of invoice amount shall be paid within one month from the date of receipt of verified invoice (s) at TPSODL. - On completion of charging - 20% of invoice amount shall be paid within one month from the date of receipt of verified invoice (s) at TPSODL	- On completion of supply of complete material - 70% of invoice amount shall be paid within one month from the date of receipt of verified invoice(s) at TPSODL. - On completion of installation - 10% of invoice amount shall be paid within one month from the date of receipt of verified invoice (s) at TPSODL or within 2 months from the date of receipt of material at site. - On completion of charging - 20% of invoice amount shall be paid within one month from the date of receipt of verified invoice (s) at TPSODL or within 2 months from the date of receipt of material at site	Since erection & commissioning is not in scope of bidder hence, payment shall be linked to receipt of material at site only.	No Change
33	Note	16 of 24	The quantity mentioned above is for evaluation purpose only and may vary during the execution.	The quantity mentioned above is for evaluation purpose only and may vary ± 10 during the execution.	There should be cap on qty variation. Without the said limit it will be difficult to offer best prices.	No Change
34	Note	16 of 24	Installation, testing, commissioning and integration of all auto-reclosures and sectionalizers along-with complete accessories shall be done in the presence of engineer / supervisor from supplier.	Only supervision of erection & commissioning shall be in scope of bidder. Installation, charging/commissioning etc shall not be in bidders scope of supply.	Only supervision of erection & commissioning shall be in scope of bidder. Installation, charging/commissioning etc shall not be in bidders scope of supply.	Supply of Autorecloser & sectionaliser along with complete accessories in the bidder's scope. Supervision of Installation, testing & commissioning will also in the scope of bidder.
35	1	17 of 24and at control end (DC/RTU, M2M Gateway, ect.).....	DC/RTU, M2M gateway shall be removed	DC/RTU; M2M gateway shall not be in bidders scope of supply.	To be supplied by the bidder
36	1	17 of 24	The automation architecture shall be provided by bidder along-with technical bid.	Said clause shall be removed	The automation architecture shall be provided by TPSODL and not by bidder.	Bidder can propose a architecture and final responsibility will be with TPSODL.
37	1	17 of 24	The automation infrastructure should be ready before commencement of installation of A/R and S/R.	Said clause shall be removed	Establishing automation infrastructure shall not be in bidders scope of supply.	Automation infrastructure for respective DCU/RTU in the scope of bidder

38	1	17 of 24	The installation testing and integration of RTU/DC with ADMS shall be in the scope of bidder and bidder shall ensure the availability of its automation engineer during pre-commission testing, during installation and the time of charging of all A/R and S/R.	Said clause shall be removed	The installation testing and integration of RTU/DC with ADMS shall not be in the scope of bidder.	The end to end connection, Configuration & integration will be in the scope of bidder
39	1	17 of 24	RTU used by bidder must have a warranty of at-least 5 years.	RTU used by bidder must have a warranty of 1 year.	RTU manufacturers provides warrantee for 1 year only hence request TPSODL to accept the same.	Specification to be complied
40	2	17 of 24	The scope shall include design, engineering, manufacturing, shop testing at manufacturers works before dispatch, packing, loading,	The scope shall include design, engineering, manufacturing, shop testing at manufacturers works before dispatch, packing, loading, transportation, transit insurance,	Unloading at TPSODL site or stores shall not be in suppliers scope.	No Change
41	2	17 of 24	Installation, testing, commissioning and integration of auto-reclosers and sectionalizers up to TPSODL ADMS.	Said clause shall be removed	Only supervision of installation, testing commissioning & integration of relcoser shall be in scope of bidder.	The end to end connection, Configuration & integration will be in the scope of bidder
42	3	17 of 24	Prices quoted shall be FIRM	The prices shall remain variable with base date of September 2021 in line with PV formula.	Looking into the current situation of commodity globally we request you to kindly consider varibale prices instead of FIRM. This will also help manufactuers to quote most competitive prices without considering any risk provisions.	No Change
43	5	18 of 24	The material shall be delivered within 60 days from issue of approved drawings or issue of RO whichever is later for 1st order/lot and for balance orders/lot material shall be delivered within 60 days from issue of RO.	Delivery period shall be 14-16 weeks from the approval of GTPs, drawings or release of manufacturing clearance, whichever is later.	Looking into the current situation of global supply chain (such as shortage of electronic components, delayed shipments etc) request you to kindly consider delivery within 14-16 weeks for delivery.	The material shall be delivered within 90 days from issue of approved drawings or issue of RO whichever is later for 1st order/lot and for balance orders/lot material shall be delivered within 90 days from issue of RO.
44	6	18 of 24	- On completion of supply of complete material - 70% of invoice amount shall be paid within one month from the date of receipt of verified invoice(s) at TPSODL. - On completion of installation – 10% of invoice amount shall be paid within one month from the date of receipt of verified invoice (s) at TPSODL. - On completion of charging - 20% of invoice amount shall be paid within one month from the date of receipt of verified invoice (s) at TPSODL	- On completion of supply of complete material - 70% of invoice amount shall be paid within one month from the date of receipt of verified invoice(s) at TPSODL. - On completion of installation – 10% of invoice amount shall be paid within one month from the date of receipt of verified invoice (s) at TPSODL or within 2 months from the date of receipt of material at site. - On completion of charging - 20% of invoice amount shall be paid within one month from the date of receipt of verified invoice (s) at TPSODL or within 2 months from the date of receipt of material at site	Since erection & commissioning is not in scope of bidder hence, payment shall be linked to receipt of material at site only.	No Change
45	3.9	7 of 48	Reverse Auctions	Reverse auction shall not be applicable	As per management guidelines we can not participate in reverse auction hence please consider L1 price during price bid opening as the winning price.	No Change
46	5	8 of 48& unloading & delivery at TPSODL stores/TPSODL site,	Said clause shall be removed	Unloading at TPSODL site or stores shall not be in suppliers scope.	No Change
47	8	10 of 48	5% of the RC value in case of Rate Contract.	5% of the RO value.	PBG shall be submitted for released order value instead of entire rate contract value	No Change
48	13.2	18 of 48	Period will be 18 Months from the Date of Commissioning or 24 months from the date of delivery of final lot of supplies made, whichever is earlier.	Please correct the said clause.	As per clause no 11, page no. 10 of 14 of technical specification warrantee period mentioned is 18 month from the date of supply. Please specify exact warrantee period.	No Change
49	13.3	18 of 48	The Warranty period for such replaced parts shall be until the expiry of twelve months from the date of such replacement or renewal or until the end of original Guarantee period, whichever is later.	The warrantee period of replaced parts shall be same as that of original equipment.	No separate extended warrantee shall be provided for replaced parts.	No Change

50	13.3	18 of 48	In case the Associate is not able to rectify/ replace the faulty equipment/ material within the stipulated timelines as mentioned above, penalty shall be levied as per the Liquidated Damages clause mentioned in this document. The penalty amount shall be recovered from the payment due to the vendor or by encashment of the SPBG as the case may be	Said clause shall be removed	LD/penalty on account of warantee failure shall not be in acceptable to us.	No Change
51	14	19 of 48	For delay of each week and part thereof from the delivery schedule specified in the contract, 1% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPSODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.	For delay of each week and part thereof from the delivery schedule specified in the contract, 0.5% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPSODL has the right to levy LD on the entire contract value, subject to a maximum of 5% of the total contract value.	The limit of LD shall be 0.5% per week upto maximum 5% of undelivered portion.	No Change
52	14	19 of 48	liquidated damages	<ul style="list-style-type: none"> • LD shall be computed on the undelivered lot upto the max LD limit. • LD shall be exclusive remedy for delay and in full satisfaction. Under the contract, TPDDL shall first exhaust the LD max limit before resorting to any other remedy available under the contract. 		No Change
53	17	21 of 48	Intellectual Property Rights	Any intellectual property developed or acquired by Associate during course of contract shall be owned by Associate. TPDDL will such rights as granted by Associate in intellectual property so developed.		No Change
54	18	21 of 48	Indemnity	The Associate assumes responsibility for and shall indemnify and save harmless the TPDDL from all liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court costs which are or may be required to be paid by the TPDDL and its officers, directors, employees, affiliates, agents, successors and assigns arising from any breach of the Associate's obligations under any local or national law or laws, or in respect to all salaries, wages or other compensation for all persons employed by the Associate or his Sub-Associates or suppliers in connection with the performance of any work covered by the Contract.		No Change
55	19.1	22 of 48	Liability & limitations	Notwithstanding anything contained in this Contract/PO and/or any of its parts, it is agreed between the parties hereto that the aggregate cumulative liability of the ABB under this Contract/PO (regardless whether the claim is based upon tort, negligence or strict liability) resulting in any way from the performance or non-performance, all indemnities, liabilities, loss, damages, expenses, claims, direct damages risk purchase etc. shall not exceed 100% of the Contract value/PO value.		No Change
56	20	23 of 48	FORCE MAJEURE	safety measures against covid, quarantine restrictions shall be force majeure events.		No Change
57	22.3	27 of 48	Termination for convenience of TPSODL	In case of termination for convenience of TPSODL, Associate shall also be paid for the cost of work in progress along with supplies/services rendered until date of termination.		No Change
58	27.b	28 of 48	TPSODL shall be the principal holder of the policy	Bidder shall be principal holder of the policy	Since we have marine insurance policy hence policy holder shall be bidder only.	No Change

59	1	2 of 14	This specification covers the technical requirements of design, manufacture, test at manufacturer's works, packing & forwarding, supply and unloading at store/ site of 11 KV Pole mounted Auto Recloser and Sectionalizer complete with all accessories for efficient and trouble free operation.	This specification covers the technical requirements of design, manufacture, test at manufacturer's works, packing & forwarding, supply and unloading at store/ site of 11 KV Pole mounted Auto Recloser and Sectionalizer complete with all accessories for efficient and trouble free operation.	Unloading at TPSODL site or stores shall not be in suppliers scope.	No Change
60	4.4.16	3 of 14	CT Accuracy : 1-630A – +0.5% 1kA-12kA - +2.5%	CT accuracy shall be 5P10	Since the CT's are used for protection purpose hence same shall have accuracy class of 5P10. Recloser CT are not meant for metering purpose. Our inbuilt CT of 600/1 A is suitable for detecting current (for protection) up to 1.2 Amp. Same shall be sufficient for TPNODL requirement.	Ratio may be acceptable however all other parameter for CT shall be as per tender specification.
61	4.4.17	3 of 14	Auxiliary VT ratio (For power supply to control panel) : 11000 /27.4 volts or 230 volts	Auxiliary VT ratio (For power supply to control panel) : 11000 /230 volts or 110 volts		Ok Noted
62	4.4.22	3 of 14	Operating sequence 0-0.5s-CO-10s-CO-10s-CO	Operating sequence shall be O-0.2s-CO-2s-CO-2s-CO	Initial tripping mentioned in operating sequence in specification i.e. 0.5sec is higher than normal outdoor breaker i.e. 0.3 sec. Hence request you to change it to 0.2 sec instead of 0.5 sec this will help TPDDL to have product tested with more stringent requirement. Also request TPDDL to verify that the said auto reclosing duty has been proven by the type test reports of the bidders.	Ok Noted It should be adjustable
63	4.17	3 of 14	For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally	For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) or RVD (Resistive Voltage divider) shall be provided internally		CVT is required
64	4.17	3 of 14	VTs on the load side shall be provided by the bidder.	Voltage sensors shall be provided on load side. No separate VT shall be provided.	Voltage sensor shall be provided on load side only. In case voltage sensors are required on line side too then same shall be supplied on chargeable basis.	Sensor at both end to be provided by bidder
65	4.18.1	4 of 14	Following pushbuttons with indicating LEDs shall be provided for control purpose by the bidder: a. Open b. Trip c. Local/ Remote d. Reclose Blocked e. Alternate Settings f. Ground Blocked	Following pushbuttons with indicating LEDs shall be provided for control purpose by the bidder: a. Open b. Trip c. Local/ Remote d. Reclose Blocked e. Alternate Settings f. Ground Blocked	Since in ABB make reclosers, relay is provided as a controller instead of fix electronic circuit (provided by other manufacturers) hence said controls can be easily accessed through navigation panel provided on the front side of the relay.	OK
66	4.18.2	4 of 14	Following indicating LEDs shall be provided by the bidder: a. Overcurrent Pickup, with Phase and Ground Indication b. Lockout c. Unit Status d. Two User Programmable LEDs e. Contact and Breaker Health status f. Battery and Battery charger Health status	Following indicating LEDs shall be provided by the bidder: a. Overcurrent Pickup, with Phase and Ground Indication b. Lockout c. Unit Status d. Two User Programmable LEDs e. Contact and Breaker Health status f. Battery and Battery charger Health status	AR healthy indication shall be provided instead of contact and breaker health status.	Specification to be complied
67	4.18.3.f	4 of 14	Switching over from one protection group to another with power flow direction		Said protection will need voltage sensors on both line as well as load side hence please clarify the requirement.	Sensor at both end to be provided by bidder
68	4.18.4	4 of 14	Following metering capabilities shall be provided by the bidder which shall be monitored from local & remote (through SCADA): a. Current - phase and neutral b. Voltage - phase-phase and phase-neutral* c. Kilowatts - single and three-phase* d. Kilowatt-hours - single and three-phase* e. Kilovars - single and three-phase* f. Power factor* g. Frequency* h. Positive, negative and zero sequence current i. Positive, negative and zero sequence voltage* j. Load profile, current, voltage* and power* k. Load Outage	The below mentioned measurement options are available in the relay:- a. Three-phase current measurement b. Sequence current measurement c. Residual current measurement d. Three-phase voltage measurement e. Sequence voltage measurement f. Three-phase power and energy measurement g. Single-phase power and energy measurement h. Frequency measurement i. Load profile record		Specification to be complied
69	4.18.6.b	5 of 14	Front Panel (FP) RS-232 port	The front port of the relay shall be RJ45.	Providing RJ 45 port on the front panel for communication will bring ease in operation of the recloser since normal LAN cable can also be used for connecting the relay to laptop/desktop.	Ok Noted

70	4.18.7.a	5 of 14	A two line LCD display that constantly shows metered currents.	Large LCD shall be provided in controller/relay.	Large LCD display with user friendly with SLD configuration possibility will bring out more visibility & ease of operation than normal two line LCD display.	Ok Noted
71	4.19	5 of 14		Since we are offering recloser instead of sectionaliser hence please consider all above clarifications of recloser for sectionaliser too.		OK Noted
72	5.1	6 of 14		We are offering recloser instead of sectionaliser too.		Ok Noted
73	5.1.3.a	7 of 14	Current sensing shall be provided through three encapsulated sensors	Current sensing shall be provided through three encapsulated CT's		Ok Noted
74	5.1.3.d	7 of 14	For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally	For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) or RVD (Resistive Voltage divider) shall be provided internally		CVT is required
75	5.2	7 of 14	The electronic components shall be housed in a sealed weatherproof enclosure within the control cabinet with IP 65	The electronic components shall be housed in a sealed weatherproof enclosure within the control cabinet with IP 55 tested.	Control cabinet shall be suitable for IP55 degree of protection.	Ok noted
76	5.4.a	8 of 14	The control cabinet shall include battery capable of providing 48 hours of operation upon loss of AC power. The control cabinet shall include battery capable of providing 48 hours of operation upon loss of AC power. During this 48-hour period, the battery shall be capable of providing up to 100 open and close operations.	The control cabinet shall include battery capable of providing 24 hours of operation upon loss of AC power.	No of operations which recloser can perform & back up power which battery can provide during loss of AC power, depends on various factors such as battery charge level during power loss, number of operations performed, usage of battery power etc hence same can not be confirmed.	Specification to be complied
77	7	9 of 14		All routine/type/acceptance tests shall be as per relevant IS/IEC only.		IEC62271-111 standard will be applicable for autorecloser along with standads mentioned in the clause no. 2 of the tender specification
78	8	10 of 14	The bidder shall furnish the type test certificates for the tests as mentioned above as per the corresponding standards.	The bidder shall furnish the copies of type test reports for the tests as mentioned above as per the corresponding standards.	Instead of type test certificates, copies of type test reports shall be furnished.	OK Noted
79	8	10 of 14	All the tests shall be conducted at CPRI / ERDA as per the relevant standards.	All the tests shall be conducted at CPRI / ERDA / internations laboratories as per the relevant standards.	Type test reports from certified international labs shall also be acceptable.	Ok Noted
80	8	10 of 14	Type test shall have been conducted in certified Test Laboratories during the period not exceeding 5 years from the date of opening the bid.	Type test shall have been conducted in certified Test Laboratories during the period not exceeding 10 years from the date of opening the bid.	As per the latest guidelines type test reports within ten years are acceptable. Moreover please note that we have not done any design related changes in the offered product since its type test hence we do not envisage repetition of said tests. Therefore request TPNODL to accpet our type test reports which are more than 5 years old.	OK, type test reports not older than 10 years will be accepted only if bidder certifies that BA has not done any design related changes in the offered product
81	11	10 of 14	period of at least 12 months from the date of commissioning or 18 months from the date of last supplies made under the contract whichever is later,	12 Months from the date of commissioning or 18 months from the date of receipt at site, whichever is earlier.	Warrantee shall not be linked to last receipt made under contract.	Specification to be complied
82				Exclusion of Consequential Damages : Notwithstanding any other provision to the contrary, in no event shall ABB, its suppliers, sub-contractors, employees and Affiliates, be liable under this contract for any loss of profits, loss of use, loss of production, loss of contracts, loss of data or any indirect or other consequential losses/damages, whether in contract, warranty, tort, negligence, strict liability or caused otherwise.		No Change

83			Liability limitation	Notwithstanding anything contained in this Contract/PO and/or any of its parts, it is agreed between the parties hereto that the aggregate cumulative liability of the ABB under this Contract/PO (regardless whether the claim is based upon tort, negligence or strict liability) resulting in any way from the performance or non-performance, all indemnities, liabilities, loss, damages, expenses, claims, direct damages risk purchase etc. shall not exceed 100% of the Contract value/PO value.		No Change
84			1. Clause No -4.0 (serial No – 4.12) , Page No- 3 of 14 2. No -5.1.1 (serial No – B – b.) , Page No- 7 of 14	1. Operating mechanism : Magnetic Actuator 2. Sectionalizer cabinet shall house maintenance free magnetic actuators	1. Autorecloser is magnetic actuator based mechanism, but sectionalizer operational mechanism is motor based. 2. A magnetic actuator based mechanism is required only in case of rapid auto-reclosing function. In a sectionaliser, auto-reclosing function is not required. Hence a motor drive mechanism is suitable for sectionaliser. The concept is well proven and is being widely used around the world. Moreover, magnetic actuator requires a complicated power electronic circuit involving capacitors. This	specification to be complied
85			1. Clause No -4.0 (serial No – 4.13) , Page No- 3 of 14 2. Clause No -5.1.1 (serial No – B – b.) , Page No- 7 of 14	1. Insulation material – HCEP or Equivalent 2. The material of insulating dielectric shall be HCEP Hydrophobic Cycloaliphatic Epoxy solid or equivalent with superior hydrophobic	1. For Autorecloser insulation material is HCEP. But for Sectionalizer insulation material is Silicon rubber 2. Silicon rubber is a well proven outdoor worthy material and has worldwide acceptance. Silicon rubber is better than HCEP for horizontal bushing. Hence silicon rubber should be acceptable as bushing material for sectionalizers. It has better weather resistance properties than HCEP bushing.	Autorecloser shall have Vacuum bottles as interrupting medium and sectionaliser with SF6 interrupting medium accepted. Insulation medium shall be HCEP as per specifications
86			1. Clause No -4.0 (serial No – 4.14) , Page No- 3 of 14 2. Clause No -5.1.1 (serial No – B – f.) , Page No- 7 of 14	1. Minimum no. of rated load operations : 10000 2. The unit shall be designed for minimum 10000 mechanical operations on load.	1. For Autorecloser, minimum no. of rated load operations is 10000. But for sectionalizer, minimum no. of rated load operations is 5000 as per Sectionalizer IEC standard. 2. As per IEC 62271-103 (Clause No – 3.3.103.5) M2 class sectionalizer is suitable for 5000 mechanical operation. Supporting document is enclosed.	Specification to be complied
87			1. Clause No -7.1.1, Page No- 9 of 14 2. Clause No -8, Page No- 10 of 14	1. Autorecloser Type Test : i) Insulation (Dielectric) tests. ii) Switching Test iii) Making Current Capability iv) Rated Symmetrical Interrupting current Tests v) Minimum tripping Current tests vi) Partial discharge(Corona) tests vii) Radio Influence Voltage Test(RIV) viii) Surge Current Test, Series-Trip Reclosers ix) Temperature rise test x) Time Current test xi) Mechanical duty Test xii) Control Electronic elements Surge withstand capability(SWC) tests 2. All type tests shall be conducted at CPRI/ERDA as per relevant standards.	1. Type test reports are accepted before final material inspection 2. We have completed major type tests which were available from CPRI/ERDA for autorecloser as per relevant standards. But CPRI/ERDA has no facility to conduct few tests (like switching test, minimum current capability test, time-current test) as IEC 62271-111. Hence we are planning to perform from KERI, South Korea. We hereby confirm that we will conduct the pending type test at free of cost before final material dispatch.	Ok Noted
88			Clause No -8, Page No- 10 of 14	All type tests shall be conducted at CPRI/ERDA as per relevant standards.	1. Type test reports are accepted from KERI, south Korea 2. We have completed all type tests which were available from CPRI/ERDA for sectionalizer as per relevant standards. But CPRI/ERDA has no facility to conduct few tests (like switching test, fault making current test) as per IEC 62271-103. Hence we conduct type test from KERI, South Korea.	OK Noted
89			Clause No -4 (serial No – 4.22), Page No- 3 of 14	Operating sequence 0-0.5s-C0-10s-C0-10s-CO	1. Operating sequence shall be O-0.3s-CO-2s-CO-2s-CO 2. Initial tripping mentioned in operating sequence in Specification i.e. 0.5sec is higher than normal outdoor Breaker i.e. 0.3 sec. Hence request you to change it to 0.3 sec instead of 0.5 sec.	Operating sequence shall be O-0.3s-CO-2s-CO-2s-CO (Min)
90			Clause No -4.18.6 (Serial No –h) Page No- 5 of 14	For remote communication the Auto Recloser and Sectionalizer unit shall be provided with Router duly approved by Purchaser	1. Please provide make list 2. We are suggesting Viola/ Lantronix/Amit make modem	Siemens, TCS, HCL, Aveda, Schneider Electric, Rockwell Automation, Emerson, Yokogawa

91		LRC LBS tender Page No. : 6 Clause No. : 1.7.6 (1.7 - Qualification Criteria	Indian companies in joint venture relationship with global OEM or authorized Indian channel partner/sales representative of global OEM are also eligible to bid if the qualification requirements stated above are met independently or in combination with the OEM. Authorization letter / certificate from the OEM to be submitted along with bid.	With this joint venture , the Technical & commercial qualification can be accepted from OEM Company ??? Please Clarify...	Yes but at the same time,execution,experience of the indian chanep partner/sales representative and requisite documentry proof of past relationship with global OEM is required to be submitted.
92		2.0 APPLICABLE STANDARDS	c) IEEE C37.63-2005: Overhead, Pad mounted, Dry Vault and Submersible Automatic Line Sectionalizer for AC system	IEC62271-111 standard shall be applicable to meet the requirement of tender specification. With our recloser, we can will can fully comply with technical requirement for sectionalizer. Please let us know if we can offer recloser for sectionalizer in accordance with IEC62271-111.	IEC62271-111 standard will be applicable for autorecloser along with standads mentioned in the clause no. 2 of the tender specification
93		4.0 GENERAL TECHNICAL REQUIREMENTS	General technical requirement Sectionalizer – SF6 General Construction B. Sectionalizer The sectionalizer shall consist of three pole assemblies where on load operation shall be done in SF6	Since the requirement for sectionalizer with magnetic actuator/HCEP solid insulation and over current protection function, we will offer our solid recloser for sectionalizer. The interrupting medium will be vacuum instead of SF6 gas. Please accept our solution.	Autorecloser shall have Vacuum bottles as interrupting medium and sectionliser with SF6 interrupting medium accpeted. Insulation medium shall be HCPE as per specifications
94		4.0 GENERAL TECHNICAL REQUIREMENTS	CT Ratio : 600/1 Accuracy : 630A +/-0.5%, 1KA-12KA +/-2.5%, CT Type : Case resin	The ratio of our CT is 1000/1 and the accuracy class is Class 1, 5P20. Our protection relay is digital device so it can meet technical requirement with our proposed ratio (1000/1). Our proposed CT is ring core type which will be molded inside HCEP housing. Please accept our proposed CT ratio (1000/1), accuracy class (5P20, Class 1) and type (ring core type) as above.	Ratio may be acceptable however all other parameter for CT shall be as per tender specification.
95		4.0 GENERAL TECHNICAL REQUIREMENTS	4.17 Instrument transformer The CT ratio shall be minimum 600/1 For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally and there shall be no external access to the connections. Accuracy class of the Instrument transformers shall be 0.5 preferably VTs on the load side shall be provided by the bidder. The VT input shall directly connect to the control unit for protection and metering requirements.	Ratio : Our proposed CT ratio is 1000/1. Our protection relay is digital device so it can meet technical requirement with our proposed ratio (1000/1). Please accept our CT ratio. Type & Accuracy : Our recloser will be equipped with RVD (Resistive Voltage Divider) instead of CVT. The accuracy of our proposed RVD is 1%. Please accept our proposed RVD with accuracy class (1%)Our proposed RVD will be molded inside HCEP hosing. It will not be exposed outside in order to prevent any damage from outside surge. Any separate VT for protection and metering requirements will not be provided other than RVD. Please accept our proposed solution.	Ratio may be acceptable however all other parameter for CT shall be as per tender specification.. CVT is required
96		4.0 GENERAL TECHNICAL REQUIREMENTS	CONROLLER FEATURE – RECLOSER 4.18.2. Following indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	The contact wear will be provided as monitoring function in our controller. Instead of LED, An alarm for contact wear will be provided. Please accept our solution.	Ok Noted
97		4.0 GENERAL TECHNICAL REQUIREMENTS	4.18.6 Following communication features for the Control shall be provided by the bidder: b. Front Panel (FP) RS-232 port.	Our proposed controller will have USB port on front part of relay and RS232 port will be on the side part of relay. USB Port is more advanced solution for interfacing with PC. Please accept this construction.	Ok Noted
98		4.0 GENERAL TECHNICAL REQUIREMENTS	CONROLLER FEATURE – Sectionalizer 4.19.2. Following indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	The contact wear will be provided as monitoring function in our controller. Instead of LED, An alarm for contact wear will be provided. Please accept our solution.	Ok Noted
99		5.0 General Construction	5.1.3 Current and Voltage Sensing: For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally	Our recloser will be equipped with RVD (Resistive Voltage Divider) instead of CVT. The accuracy of our proposed RVD is 1% which is better than CVD (3%) Please accept our proposed RVD.	CVT is required
100		5.0 General Construction	5.4 Battery Backup a. A built in isolated 12/24 V DC fused auxiliary output for powering radios/modems shall be provided.	Our controller will provide only one DC Voltage (12V DC or 24V DC). Only single DC voltage will be provided. The DC voltage will be confirmed during design stage. There is no fuse for DC output in our controller since it is DC voltage outlet. Please accept our solution.	Ok Noted however requirement of respective voltage will be finalised during detail engineering.
101		5.0 General Construction	c. The Control cabinet AC power input shall have integrated high-energy surge protection and line fuse to protect the control from incoming line surges. The integrated power supply shall have staged shutdown feature to protect the electronic components during extreme temperatures.	Our controller will be equipped with MCB instead of fuse for protection. MCB is better solution since it can be operated again even after tripping while fuse should be replaced once it was burnt from fault current. The shutdown feature for extreme temperatures will not be provided. Our controller is in compliance with maximum ambient temperature. Please accept our solution.	Ok Noted

102		7.0 TEST	7.1 Auto-recloser: 7.1.1 Type Tests: i) Insulation (dielectric) tests ii) Switching tests iii) Making current capability iv) Rated symmetrical interrupting current tests v) Minimum tripping current tests vi) Partial discharge (corona) tests vii) Radio influence voltage tests (RIV) viii) Surge current test; series-trip Reclosers/Fis ix) Temperature rise test x) Time-current tests xi) Mechanical duty test xii) Control electronic elements surge withstand capability (SWC) tests	The following test is excluded from type test report since our proposed recloser is not series-trip recloser. * Surge current test; series-trip Reclosers/Fis	Ok Noted
103		7.0 TEST	7.1.2 Routine tests: i) Reclosing and over current trip calibration ii) Control, secondary wiring, and accessory devices check tests iii) Dielectric withstand test; 1-min. dry power-frequency iv) Partial discharge test v) Mechanical operations tests vi) Water leak test	The following test will be excluded from routine test since it is not required as per IEC 62271-111. * Water leak test	Specification to be complied. Kindly refer clause no 7.4.2 of Routine test of IEC IEC 62271-111
104		7.0 TEST	7.2 Sectionalizer: 7.2.1 Type tests: i) With stand voltage tests ii) Continuous current tests iii) Switching tests iv) Short time withstand current tests v) Fault making current tests vi) Mechanical operation tests vii) Radio influence voltage tests viii) Operating duty tests ix) Partial discharge (corona) tests x) Minimum actuating current tests	As we will offer recloser for sectionalizer in accordance with IEC 62271-111. Type test for sectionalizer will be the same as recloser. The following test is excluded from type test report since it is not required in IEC 62271-111. * Operating duty tests * Minimum actuating current tests Temperature rise test is included instead of continuous current test.	Type test as per IEC 62271-111 will be followed
105		7.0 TEST	7.2.2 Routine tests for Sectionalizer: Routine tests shall be same as in Auto-recloser, except that the calibration test shall be performed as per IEEE Std C37.63-2003.	The following test will be excluded from routine test since it is not required as per IEC 62271-111. * Water leak test The applicable standard will be IEC * Calibration test shall be performed as per IEEE Std C37.63- 2003.	Specification to be complied. Kindly refer clause no 7.4.2 of Routine test of IEC IEC 62271-111 Ok Noted
106		Annexure II	Make of DC and M2M Gateway : Viola/Fargo/Siemens/ GE.(non-proprietary protocol)	Fargo brand is not available in the market so we request you to please consider SOPHOS in place of Fargo.	Alternate options are available in the specification. Please comply
107		Annexure II	Modem for communication: Viola/Fargo. (Non-proprietary protocol).	Fargo brand is not available in the market so we request you to please consider Niseva in place of Fargo. Secondly, Niseva is already approved and installed in TPCODL.	Alternate options are available in the specification. Please comply
108		7.2 Post Award Contract Administration	Delivery Timelines -The material shall be delivered within 60 days from issue of approved drawings or issue of RO whichever is later for 1st order/lot.	Delivery Timelines -The material shall be delivered within 120 days from issue of approved drawings or issue of RO whichever is later for 1st order/lot.	The material shall be delivered within 90 days from issue of approved drawings or issue of RO whichever is later for 1st order/lot and for balance orders/lot material shall be delivered within 90 days from issue of RO.
109		7.2 Post Award Contract Administration	Installation / testing / commissioning / integration to be completed in seven months from placement of release order. Installation, testing, commissioning and end to end integration shall be done in the presence of supervisor of suppliers.	Installation / testing / commissioning / integration to be completed in seven months from placement of release order. Installation, testing, commissioning and end to end integration shall be done in the presence of supervisor of suppliers. If site front is unavailable for Installation / testing / commissioning / integration within seven months from date of RO then complete balance 30% payment will be released by TPSODL at the end of seventh month.	No Change
110		7.3 Payment Terms	Payment Terms	Request to release payment through TREDS.	No Change
111		2.0 APPLICABLE STANDARDS	c) IEEE C37.63-2005: Overhead, Pad mounted, Dry Vault and Submersible Automatic Line Sectionalizer for AC system	IEC62271-111 standard shall be applicable to meet the requirement of tender specification. With our recloser, we can will can fully comply with technical requirement for sectionalizer. Please let us know if we can offer recloser for sectionalizer in accordance with IEC62271-111.	IEC62271-111 standard will be applicable for autorecloser along with standards mentioned in the clause no. 2 of the tender specification

112		4.0 GENERAL TECHNICAL REQUIREMENTS	General technical requirement Sectionalizer– SF6 General Construction B. Sectionalizer The sectionalizer shall consist of three pole assemblies where on load operation shall be done in SF6	Since the requirement for sectionalizer with magnetic actuator/HCEP solid insulation and over current protection function, we will offer our solid recloser for sectionalizer. The interrupting medium will be vacuum instead of SF6 gas. Please accept our solution.	Autorecloser shall have Vacuum bottles as interrupting medium, and sectioniser with SF6 interrupting medium accepted. Insulation medium shall be HCPE as per specifications
113		4.0 GENERAL TECHNICAL REQUIREMENTS	CT Ratio : 600/1 Accuracy :630A +/-0.5%, 1KA-12KA +/-2.5%, CT Type : Case resin	The ratio of our CT is 1000/1 and the accuracy class is Class 1, 5P20. Our protection relay is digital device so it can meet technical requirement with our proposed ratio (1000/1). Our proposed CT is ring core type which will be molded inside HCEP housing. Please accept our proposed CT ratio (1000/1), accuracy class (5P20, Class 1) and type (ring core type) as above.	Ratio may be acceptable however all other parameter for CT shall be as per tender specification.
114		4.0 GENERAL TECHNICAL REQUIREMENTS	4.17 Instrument transformer The CT ratio shall be minimum 600/1 For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally and there shall be no external access to the connections. Accuracy class of the Instrument transformers shall be 0.5 preferably VTs on the load side shall be provided by the bidder. The VT input shall directly connect to the control unit for protection and metering requirements.	Ratio : Our proposed CT ratio is 1000/1. Our protection relay is digital device so it can meet technical requirement with our proposed ratio (1000/1). Please accept our CT ratio. Type & Accuracy :Our recloser will be equipped with RVD (Resistive Voltage Divider) instead of CVT. The accuracy of our proposed RVD is 1%. Please accept our proposed RVD with accuracy class (1%) Our proposed RVD will be molded inside HCEP hosing. It will not be exposed outside in order to prevent any damage from outside surge. Any separate VT for protection and metering requirements will not be provided other than RVD. Please accept our proposed solution	Ratio may be acceptable however all other parameter for CT shall be as per tender specification. & CVTs/VTs are required
115		4.0 GENERAL TECHNICAL REQUIREMENTS	CONROLLER FEATURE –RECLOSER 4.18.2. Following indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	The contact wear will be provided as monitoring function in our controller. Instead of LED, Analarm for contact wear will be provided. Please accept our solution.	Ok Noted
116		4.0 GENERAL TECHNICAL REQUIREMENTS	4.18.6 Following communication features for the Control shall be provided by the bidder: b. Front Panel (FP) RS-232 port.	Our proposed controller will have USB port on front part of relay and RS232 port will be on the side part of relay. USB Port is more advanced solution for interfacing with PC. Please accept this construction.	Ok Noted
117		4.0 GENERAL TECHNICAL REQUIREMENTS	CONROLLER FEATURE –Sectionalizer 4.19.2. Following indicating LEDs shall be provided by the bidder: Contact and Breaker Health status	The contact wear will be provided as monitoring function in our controller. Instead of LED, Analarm for contact wear will be provided. Please accept our solution.	Ok Noted
118		5.0 General Construction	5.1.3 Current and Voltage Sensing: For line voltage measurement and protection, the CVT (Capacitor Voltage transformers) shall be provided internally	Our recloser will be equipped with RVD (Resistive Voltage Divider) instead of CVT. The accuracy of our proposed RVD is 1% which is better than CVD (3%) Please accept our proposed RVD.	CVT is required
119		5.0 General Construction	5.4 Battery Backup a. A built in isolated 12/24 V DC fused auxiliary output for powering radios/modems shall be provided.	Our controller will provide only one DC Voltage (12V DC or 24V DC). Only single DC voltage will be provided. The DC voltage will be confirmed during design stage. There is no fuse for DC output in our controller since it is DC voltage outlet. Please accept our solution.	Ok Noted however requirement of respective voltage will be finalised during detail engineering.

120		5.0 General Construction	<p>c. The Control cabinet AC power input shall have integrated high-energy surge protection and line fuse to protect the control from incoming line surges.</p> <p>The integrated power supply shall have staged shutdown feature to protect the electronic components during extreme temperatures.</p>	<p>Our controller will be equipped with MCB instead of fuse for protection. MCB is better solution since it can be operated again even after tripping while fuse should be replaced once it was burnt from fault current.</p> <p>The shutdown feature for extreme temperatures will not be provided. Our controller is in compliance with maximum ambient temperature.</p> <p>Please accept our solution.</p>	Ok Noted
121		7.0 TEST	<p>7.1 Auto-recloser: 7.1.1 Type Tests: i) Insulation (dielectric) tests ii) Switching tests iii) Making current capability iv) Rated symmetrical interrupting current tests v) Minimum tripping current tests vi) Partial discharge (corona) tests vii) Radio influence voltage tests (RIV) viii) Surge current test; series-trip Reclosers/FIs ix) Temperature rise test x) Time-current tests xi) Mechanical duty test xii) Control electronic elements surge withstand capability (SWC) tests</p>	<p>The following test is excluded from type test report since our proposed recloser is not series-trip recloser.</p> <p>* Surge current test; series-trip Reclosers/FIs</p>	Ok Noted
122		7.0 TEST	<p>7.1.2 Routine tests: i) Reclosing and over current trip calibration ii) Control, secondary wiring, and accessory devices check tests iii) Dielectric withstand test; 1-min. dry power-frequency iv) Partial discharge test v) Mechanical operations tests vi) Water leak test</p>	<p>The following test will be excluded from routine test since it is not required as per IEC 62271-111.</p> <p>* Water leak test</p>	<p>Specification to be complied. Kindly refer clause no 7.4.2 of Routine test of IEC IEC 62271-111</p>
123		7.0 TEST	<p>7.2 Sectionalizer: 7.2.1 Type tests: i) With stand voltage tests ii) Continuous current tests iii) Switching tests iv) Short time withstand current tests v) Fault making current tests vi) Mechanical operation tests vii) Radio influence voltage tests viii) Operating duty tests ix) Partial discharge (corona) tests x) Minimum actuating current tests</p>	<p>As we will offer recloser for sectionalizer in accordance with IEC 62271-111. Type test for sectionalizer will be the same as recloser.</p> <p>The following test is excluded from type test report since it is not required in IEC 62271-111.</p> <p>* Operating duty tests * Minimum actuating current tests</p> <p>Temperature rise test is included instead of continuous current test.</p>	<p>Type test as per IEC 62271-111 will be followed</p>
124		7.0 TEST	<p>7.2.2 Routine tests for Sectionalizer: Routine tests shall be same as in Auto-recloser, except that the calibration test shall be performed as per IEEE Std C37.63-2003.</p>	<p>The following test will be excluded from routine test since it is not required as per IEC 62271-111.</p> <p>* Water leak test</p> <p>The applicable standard will be IEC 62271-111 for sectionalizer since we will offer recloser for sectionalizer</p> <p>* Calibration test shall be performed as per IEEE Std C37.63-2003.</p>	<p>Specification to be complied. Kindly refer clause no 7.4.2 of Routine test of IEC IEC 62271-111</p> <p>Ok Noted</p>
125		7.0 TEST	<p>8.0 Type Test Report The bidder shall furnish the type test certificates for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI / ERDA as per the relevant standards. Type test shall have been conducted in certified Test Laboratories during the period not exceeding 5 years from the date of opening the bid. In the event of any discrepancy in the test reports i.e. any test report not acceptable, same shall be carried out without any cost implication to TPNO DL.</p>	<p>We are submitting type test report along with our bid. The following test reports were issued earlier than 5 years before bid closing date.</p> <p>* 2010TS01639/KERI :2nd August 2010 * TDT2108-10/KEMA :16th August 2010</p> <p>Since didn't change our design of recloser, we request TPNO DL to accept our type test report</p>	<p>OK, type test reports not older than 10 years will be accepted only if bidder certifies that BA has not done any design related changes in the offered product</p>

126			Event Information-1.7.1 Qualification Criteria- PAGE No.-6	The bidder should have an average annual turnover of Rs.100 Crores in any of last three financial years out of FY 17-18, FY 18-19, FY 19-20 and FY 20-21.	we request you to pls. asked "the bidder should have Cumulative annual turnover of Rs.100 Crores in last three financial years out of FY 17-18, FY 18-19, FY 19-20 and FY 20-21 Or "The bidder should have average Annual Turnover of Rs. 5.00 Cr. In last 3 year financial years". Above qualification was asked by TPNODL in their NIT No. : TPNODL/OT/2021-22/022 Dt. 07.07.2021.	No Change