



CORRIGENDUM-II

Ref: Tender Enquiry No.: TPCODL/P&S/103/2020-21/Corrigendum/002

Dated:06.11.2020

With reference to our above referred Tender Specification read with Corrigendum-I, intending bidders are requested to note the following changes.

1. The Replies to the Pre-bid queries received within stipulated time are enclosed here with as Annexure –I for information of all prospective Bidders
2. In modification to Clause No- 4.2, TMU, of the Technical Specification contained in Annexure-II of Tender Document, following scopes are here by deleted
 - “e) Monitoring of Oil level in Transformer & Tap Changer”
 - “f) Monitoring of Temperature in Transformer”
 - “h) Monitoring of dissolved gas Content”
 - “i) Monitoring of Moisture content”

All other requirements under this clause remains un-altered.

3. Extension of due date of submission

Calendar Events	Existing Schedule	Revised schedule
Last date and time of receipt of Bids through ARIBA E-Tender portal	10.11.2020 up to 15:00 Hours	13.11.2020 up to 15:00 Hours

All other terms and conditions of the above tender will remain same.

Encl: As above

By Order

Sr. GM (Purchase & Store), TPCODL

Reply to Pre Bid Queries For Tender No-103 (RC for TMU)

Annex-I

SL. No	Section	Point No	Specification Requirement	Proposed Requirement modification/Queries	Remarks	TPCODL REPLY
1	1.7- Qualification Criteria	C)	The bidder should have executed (supply, erection testing and commissioning) 65 nos of quantity of TMU or a single order for 35 nos of TMU or 2 orders each for 24 nos of TMU in last three FYs. Copy of work order / completion certificate to be submitted in this regard. For CRP the same condition holds to be true. The supplied relays will be retrofitted in the old panels.	Product offered (IED) for this application is RET-670 and hence all our reference documents (performance certificates, reference PO, completion certificate) will have RET 670 as the product name instead of TMU. TPCODL is requested to accept this	We have a huge installed base for RET670 IEDs for transformer monitoring in India	Noted. But RET670 should have been used as a TMU and not as a Transformer Differential Relay.
2	1.7- Qualification Criteria	E)	The bidder should have dedicated service team in TPCODL to attend issues within 24 hours or bidder shall develop dedicated service team in this area in the event of award of contract, before commencement of supplies. Bidder should submit the undertaking in this regard.	Service engineers will be available only on prior intimation of at least 10 days. We would recommend training TPCODL staff to attend to emergency services and our team can always give the remote support	Physically attending a site withing 24 hours may not be realisable. Hence training the users is always recommended	No deviation is allowed.
3	7- Post award contract administration	7.1 Special conditions of the contract	Rate contract shall be valid for a period of 1 years from the placement of Contract. Release Order (RO) shall be placed as per the requirement of TPCODL. Rate shall remain FIRM till the validity of Rate Contract.	As per the rate contract, all the 63 numbers of TMUs shall be consumed by TPCODL within 1 year once TPCODL gets technical confidence	Rate will remain firm on basis of the quantity specified in the tender	The Total RO quantity shall be limited to quantity declared in price schedule subject to requirment of TPCODL
4	7- Post award contract administration	7.1 Special conditions of the contract	Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 30 days of issuance of order. PBG applicable shall be 5% of Order Value. PBG submitted, shall be released after completion of applicable guarantee period plus one month.	Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 30 days of issuance of order. PBG applicable shall be 5% of Order Value. PBG submitted, shall be released after completion of applicable guarantee period plus one month. In case PBG is not given 5% of the payment will be released after the applicable guarantee period	Simpler documentation will ease the process	PBG Should be submitted as per specified format of the Tender Documents. PBG is mandatory

5	7- Post award contract administration	7.1 Special conditions of the contract	BA shall submit GTP / Drawing within 2 weeks from issuance of rate contract. In case BA does not get necessary approvals for issuance of CAT-A within mentioned / mutually agreed timelines, then TPCODL reserve the right to cancel issued rate contract / release order and also reserve the right to forfeit EMD / PBG.	BA shall submit GTP/connection diagram within 2 weeks from issuance of rate contract. In case BA does not get necessary approvals for issuance of CAT-A within mentioned / mutually agreed timelines, then TPCODL reserve the right to cancel issued rate contract / release order and also reserve the right to forfeit EMD / PBG.	Submission of drawing is not possible as the connections fully depend on the site conditions. BA shall submit the GTP and connection diagram of the product offered	No deviation is allowed. Unknown terminals can be marked with separate notation and same can be updated in the as built drawing.
6	7- Post award contract administration	7.2 Drawing submission and approval	The relevant drawings and GTPs need to be submitted within two weeks of receipt of firm purchase order by the successful bidder to TPCODL for approval. In case, re-submission of drawings is required on request of TPCODL, same needs to be submitted back to TPCODL within 5 days of such request.	The connection diagrams and GTPs need to be submitted within two weeks of receipt of firm purchase order by the successful bidder to TPCODL for approval. In case, re-submission of drawings is required on request of TPCODL, same needs to be submitted back to TPCODL within 5 days of such request.	Site conditions will be different	No deviation is allowed. Unknown terminals can be marked with separate notation and same can be updated in the as built drawing.
7	7- Post award contract administration	7.5 Payment terms	On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of Tata Power Company Limited to Invoice Desk. The payment shall be released within 60 days from the date of submission of certified bills/ invoices	On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of Tata Power Company Limited to Invoice Desk. The payment shall be released within 45 days from the date of submission of certified bills/ invoices		Existing provisions at clause no-7.5, payment terms of Tender Specification shall prevail.
8	7- Post award contract administration	7.5 Payment terms	Supply – 40% of supply part on completion of supplies. Balance 60% on successful installation of prorata basis.	Supply – 80% of supply part on completion of supplies. Balance 20% on successful installation of prorata basis.	Almost all the utilities have majority of payment (90%) done on receipt of material. Request you to reduce the retention part	Existing provisions at clause no-7.5, payment terms of Tender Specification shall prevail.
9	7- Post award contract administration	7.5 Payment terms	In case the scheduled completion period of 1 year exceeds due to reasons attributed to TPCODL, the balance 60% payment for supply part shall also be released. Also warranty of all IEDs against this contract shall commence from the date of successful commissioning of all IEDs as asked for in this contract	In case the scheduled completion period of 1 year exceeds due to reasons attributed to TPCODL, the balance 60% payment for supply part shall also be released. Also warranty of all IEDs against this contract shall commence from the date of successful commissioning of all IEDs as asked for in this contract. If the delay in commissioning is due to reasons attributed to TPCODL, maximum warranty will be 24 months from the date of supply		No deviation is allowed.

10	Annexure-II Technical specifications	4.2 Transformer Monitoring Unit	The RELAY shall have facility to record at least 512 events (Event-Recorder) like under voltage, over voltage, Over current, Auto/ Manual, local/remote with date and time stamping including the events based on Binary inputs /output.	The RELAY shall have facility to record at least 2000 events (Event-Recorder) like under voltage, over voltage, Over current, Auto/ Manual, local/remote with date and time stamping including the events based on Binary inputs /output.	More events will give maximum resolution for the analysis	No. of recorded events greater than or equal to 512 events is acceptable.
11	Annexure-II Technical specifications	4.2 Transformer Monitoring Unit	The IED should have webHMI function	The IED should have webHMI or online monitoring of the function blocks through the software	Purpose will be served	Online monitoring of the function blocks or remote access/engineering through the software is must. Web HMI shall be considered as optional.
12	Annexure-II Technical specifications	4.2 Transformer Monitoring Unit	It shall have facility by which a customer specific software program can be written and incorporated as feature in the unit.	It shall have facility by which a customer specific logics can be written and incorporated as feature in the unit.		Noted.
13	Annexure-II Technical specifications	4.2 Transformer Monitoring Unit	Minimum 2 communication port (preferably RJ45) shall be available based on RSTP/PRP for Station Bus and 2 FO Port for Process Bus.	Minimum 2 communication port (preferably RJ45) shall be available based on RSTP/PRP for Station Bus and the same ports should be compliant for Process Bus.	No need of extra ports	Noted. TMU on Process Bus shall not be required for this tender.
14	Annexure-II Technical specifications	4.2 Transformer Monitoring Unit	DI-22, DO-11, AI-04, CT-02 and LED-12	DI-16, DO-16, mA-05, CT-06, VT-04 and LED-12		No deviation is allowed. The no. of IOs (including analog, CT & VT) and LED should not be less than as specified in the technical specification.

15	Annexure-II Technical specifications	9.0 Guarantee/Warranty Details	<p>Bidder shall stand guarantee towards design, materials, workmanship & quality of process/manufacturing of items under the contract for due and intended performance of the same, as an integrated product delivered under this contract. In the event any defect is found by the Company up to a period of 60 months from the date of commissioning supplier shall be liable to undertake to replace/rectify such defects at his own costs within the mutually agreed timeframe, and to the entire satisfaction of the Company, failing which the Company will be at liberty to get it replaced/rectified at supplier's risks and costs and recover all such expenses plus the Company's own charges (@ 20% of expenses incurred), from the supplier or from the "Security cum Performance Deposit" as the case may be.</p>	<p>Bidder shall stand guarantee towards design, materials, workmanship & quality of process/manufacturing of items under the contract for due and intended performance of the same, as an integrated product delivered under this contract. In the event any defect is found by the Company up to a period of 48 months from the date of commissioning/ 60 months from date of invoice supplier shall be liable to undertake to replace/rectify such defects at his own costs within the mutually agreed timeframe, and to the entire satisfaction of the Company, failing which the Company will be at liberty to get it replaced/rectified at supplier's risks and costs and recover all such expenses plus the Company's own charges (@ 20% of expenses incurred), from the supplier or from the "Security cum Performance Deposit" as the case may be.</p>		<p>Guaranatee/Warranty shall be 60 months from the date of commissioning or 66 months form the date of last supplies, whichever is earlier.</p>
16	Annexure-II Technical specifications	9.0 Guarantee/Warranty Details	<p>Bidder shall further be responsible for 'free replacement' for another period of three years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Company</p>	<p>Bidder shall further be responsible for 'free service' for another period of three years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Company. This will not be applicable in any accidental or physical damage cases</p>		<p>No deviation is allowed. However, this shall not be applicable in case of accidental or physical damage.</p>

17	Annexure-II Technical specifications	1.0 Scope	<p>The scope of this specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading of Panels as mentioned in the specification, at site/stores complete with all accessories including supply, installation, testing and commissioning of efficient and trouble-free control and relay panel. The specific requirements are covered in the enclosed technical data sheet.</p>	<p>The scope of this specification covers the technical requirements of design, manufacture, packing, forwarding, supply in the specification, at site/stores complete with all accessories. The specific requirements are covered in the enclosed technical data sheet. We understand that OEM has to quote for supply, Engineering and commissioning support. Activities like wiring, retrofit will be taken up by TPCODL including procurement of wiring accessories and blanking plates</p>	<p>Since TPCODL is the master of their system, they will have better knowledge on requirement of accessories. This will also allow better competition among the OEMs by avoiding variable</p>	<p>SITC of TMU in all respects shall be in bidder's scope.</p> <p>The scope of this specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading of Transformer Monitoring Unit as mentioned in the specification at site/stores complete with all accessories like configuration cable, software CD, etc.. The specific requirements are covered in the enclosed technical data sheet.</p> <p>Tender scope includes</p> <ul style="list-style-type: none"> a. SITC of TMU including extension of technical support for the integration of TMU with RTU as well as SCADA and P2P Testing b. Supply, laying & termination of FRLSH 1.1kV Cu control cable within C&R Panel. 1.5 sq.mm for Aux. Supply, Indication and Control Circuits and 2.5/4 sq.mm for CT/VT Circuits. c. Supply & installation of ferrules & tinned copper lugs d. Supply, laying & termination of CAT-VI/FO Patch Chords (redundant) for SCADA Communication e. Supply & installation of DC MCB and Contact Multiplier Relay (CMR) of suitable rating. Approved MCB & CMR makes: ABB/Eaton/Schneider/Siemens/L&T f. Supply & installation of TPI, OTI, WTI and any other Transducers g. Supply & installation of Terminal Blocks, if required. Approved TB make: Connectwell/Pheonix. Disconnecting type TBs need to be provided for CT and VT Circuit. h. Cutting of panels for the routing of TMU i. Supply & installation of blanking plates, if required. Colour of the blanking plates shall be same as that of the C&R Panel in which the TMU is going to be installed. g. Any accessories, tools & test equipment which are not listed but required for the successful installation, testing and commissioning
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18	Annexure-II Technical specifications	7.0- Predispatch Inspection	Equipment shall be subject to inspection by a duly authorized representative of the Purchaser as detailed at Clause No.6.0. Inspection may be made at any stage of manufacture at the option of the purchaser and the equipment if found unsatisfactory as to workmanship or material, the same is liable to rejection.	Equipment shall be subject to inspection by a duly authorized representative of the Purchaser as detailed at Clause No.6.0. Inspection may be made at any stage of manufacture at the option of the purchaser and the equipment if found unsatisfactory as to workmanship or material, the same is liable to rejection. TPCODL is responsible for expenditure related travel, lodging and boarding of its representatives travelling for FAT		Noted.
19	Annexure-VIII General Conditions Of Contract	4.2 Indemnity	Associates shall undertake to fully indemnify TPCODL (also referred to as the Company in the GCC) against all kinds of liabilities or damages, of whatsoever nature, including compensation arising from any accident to the person or property of those in Associate's employment or to any other person or properties including those of TPCODL, arising due to reasons attributable to any, act, omission or negligence of the Associate the Associates, for the entire period of contract including period of guarantee.	Associates shall undertake to fully indemnify TPCODL (also referred to as the Company in the GCC) against all kinds of liabilities or damages, of whatsoever nature, including compensation arising from any accident to the person or property of those in Associate's employment or to any other person or properties including those of TPCODL, arising due to reasons attributable to any, act, omission or negligence of the Associate the Associates, except in the event such personal injury, death, loss or damage is a direct result of TPCODL Gross Negligence for the entire period of contract including period of guarantee. TPCODL, on behalf of itself and its successors, agrees to save, indemnify and hold harmless Associates against any and all losses, claims, expenses, liabilities, damages and costs whatsoever for: (i) personal injury to or death of any employee of TPCODL or any third party; and (ii) loss or damage to any property of TPCODL or any third party, except in the event such personal injury, death, loss or damage is a direct result of Associates Gross Negligence		Existing provisions at clause no-4.2 of GCC of Tender Specification shall preva

20	Annexure-VIII General Conditions Of Contract	14.3 Failure in Guarantee Period (GP)	<p>If Associate fails to repair/rectify/replace the equipment or material supplied/service or work rendered under the contract, failed in Guarantee Period, TPCODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be. If during the Warranty/ Guarantee period some parts of the supplies are replaced owing to the defects/ damages under the Warranty, 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.</p>	<p>TPCODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPCODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be. If during the Warranty/ Guarantee period some parts of the supplies are replaced owing to the defects/ damages under the Warranty, 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. However, the cumulative guarantee period for such repaired or replaced part shall not exceed 12 months from the date of expiry of initial Defect Liability Period. The warranties provided herein are exclusive remedies and are in lieu of all other warranties, conditions and guarantees and for all claims whether based on contract, negligence, indemnity, strict liability or otherwise. No implied or statutory warranty, or warranty or condition of merchantability or fitness for a particular purpose applies.</p>		No deviation is allowed.
21	Annexure-VIII General Conditions Of Contract	15.0 LIQUIDATED DAMAGES	<p>Liquidated damages @1% of the total executed contract value per week or part thereof, for the period of delay in integrated completion, subject to maximum 10% of the value of the contract shall become leviable without prejudice to other rights of the TPCODL</p>	<p>Liquidated damages @1% of the total executed contract value per week or part thereof, for the period of delay in integrated completion, subject to maximum 5% of the value of the contract shall become leviable without prejudice to other rights of the TPCODL. LD shall be the sole and exclusive financial remedy for TPCODL's loss and damage due to Associates delay and shall be applicable only where the delay is solely due to the reasons attributable to the Associates.</p>		Existing provisions of clause 15.0 , Liquidated damage of GCC of Tender Specification shall prevail.

22	Annexure-VIII General Conditions Of Contract	16.0 ASSIGNMENT OR SUBCONTRACTING	Associates shall not assign/subcontract/outsourcing the schedule of activities of contract TPCODL enters with the associate, in part or full, without TPCODL's prior written approval.	Associates may assign or novate its rights and obligations under the Contract, in whole or in part, to any of its affiliates or may assign any of its accounts receivable under this Contract to any party without TPCODL's consent. Buyer agrees to execute any documents that may be necessary to complete Associates assignment or novation		Existing provisions of clause 16.0 , of GCC of Tender Specification shall prevail.
23	Annexure-VIII General Conditions Of Contract	20.0 INDEMNITY	The Associate shall at all times indemnify, keep indemnified and hold harmless the TPCODL and its officers, directors, employees, affiliates, agents, successors and assigns against all actions, claims, demands, costs, charges and expenses arising from or incurred by reason of any infringement of patent, trade mark, registered design, copy rights and/or industrial property rights by manufacture, sale or use of the equipment supplied by the Associate whether or not the TPCODL is held liable for by any court judgement. In this connection, the TPCODL shall pass on all claims made against him to the Associate for settlement.	The Associate shall at all times indemnify, keep indemnified and hold harmless the TPCODL and its officers, directors, employees, affiliates, agents, successors and assigns against all actions, claims, demands, costs, charges and expenses arising from or incurred by reason of any infringement of patent, trade mark, registered design, copy rights and/or industrial property rights by manufacture, sale or use of the equipment supplied by the Associate whether or not the TPCODL is held liable for by any court judgement. In this connection, the TPCODL shall pass on all claims made against him to the Associate for settlement.- Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant or materials not supplied by the Associate, pursuant to the Contract and modifications to Associate Goods or Instances where:		Existing provisions of clause 20.0 of GCC of Tender Specification shall prevail.
				- Associate Goods have been specially modified, designed to meet TPCODL's specifications or other written instructions,		Existing provisions at clause-20 of GCC of Tender Specification shall prevail.
				-where the TPCODL's use of Associate Goods does not correspond to Associate published standards or specifications		Existing provisions at clause-20 of GCC of Tender Specification shall prevail.

24	Annexure-VIII General Conditions Of Contract	21.1 Liability	Except for any specific liability which may be identified in the Contract and which may be payable hereunder, Associate shall not be liable for any special, incidental, indirect, or consequential Damages or any loss of business Contracts, revenues or other financial loss (or equivalents thereof no matter how claimed, computed or characterized) arising out of or in connection with the Performance of the Work or supply of Goods unless caused by Associate's negligence, willful misconduct or breach of contract.	Except for any specific liability which may be identified in the Contract and which may be payable hereunder, Associate shall not be liable for any special, incidental, indirect, or consequential Damages or any loss of business Contracts, revenues or other financial loss (or equivalents thereof no matter how claimed, computed or characterized) arising out of or in connection with the Performance of the Work or supply of Goods <i>unless caused by Associate's Gross negligence, willful misconduct or breach of contract</i>		Existing provisions of 21.1 ,Liability, of GCC of Tender Specification shall prevail
24	Annexure-VIII General Conditions Of Contract	4.8 Company's Right To Use Works	If Taking Over Certificate is delayed for any reason, for which TPCODL's decision shall be final and binding upon the Associate, the Company shall be entitled to use the works or portion thereof without affecting Associate's responsibility and liability to complete the balance works as per company's directives from time to time, though Associate shall be afforded reasonable opportunity by the company to enable Associates to complete all balance works required for issuance of 'Taking Over Certificate' by the company.	If Taking Over Certificate is delayed due to any reason solely attributable to business associate , for which TPCODL's decision shall be final and binding upon the Associate, the Company shall be entitled to use the works or portion thereof without affecting Associate's responsibility and liability to complete the balance works as per company's directives from time to time, though Associate shall be afforded reasonable opportunity by the company to enable Associates to complete all balance works required for issuance of 'Taking Over Certificate' by the company.		This can be settled on mutual between BA & User group of TPCODL Post award of contract.

25	Annexure-VIII General Conditions Of Contract	Additional Clause proposed-1		<p>1. Suspension of the Contract: Associates shall have right to suspend the Contract if TPCODL has failed to pay the Associates any sum due under the Contract within the specified period. In the event of such suspension continuing for more than 30 days, then the Associates may terminate the contract by issuing 15 days written notice. Upon such termination, the Associates shall be entitled to the payment for the works performed until the date of termination in addition to all reasonable additional costs incurred by Associate in lieu of suspension/termination of the Contract.</p>		Not Acceptable
26	Annexure-VIII General Conditions Of Contract	Additional Clause proposed-2		<p>Change in Laws and Regulations: If, from the Effective Date, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed in India (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract</p>		Not Acceptable

27	Annexure-VIII General Conditions Of Contract	Additional Clause proposed-3		<p>1. COVID-19 Clause: The Parties are aware of the current worldwide outbreak of a Coronavirus (commonly known as COVID-19) or any mutation of such virus which is or may impact normal business and execution of this Contract. Associates shall be entitled to cost compensation, time extension, or other reasonably required contract adjustments, if any consequences whether directly or indirectly resulting out of, or in connection with the coronavirus outbreak, lead to delays in performance of Works or otherwise affect Associates contractual obligations or duties. Associates hereby reserves the right to amend the delivery, the price, the scope and the other terms and conditions of contract set out in this offer due to the current epidemic of novel coronavirus outbreak. Notwithstanding anything to the contrary, the forgoing paragraph is deemed to be incorporated into any subsequent concluded contract.</p>		Not acceptable
28	Annexure-VIII General Conditions Of Contract	Additional Clause proposed-4		<p>1. Extension of time and Cost Compensation: Associates shall be entitled to a reasonable extension of time for the performance of its obligations to perform the Works where any of the following causes a delay:</p>		Existing relevant clauses of the tender specification shall prevail.
				a Variations in scope of obligation of the Associates;		
				b. changes in law or any delays of any government or statutory;		
				c. Suspension or delays caused for the reasons not attributable to Associates;		
				d. Any delays caused by TPCODL or other contractor of TPCODL		
				e. Any Unforeseen conditions obstructing progress of works;		
				Upon occurrence of any or all of the above, Associates shall be entitled for the following:		
				(1) extension of time to the extent of period of delay, and		

				(2) the any amount of such additional costs shall be added to the Contract Price.	
29		4.6. Reverse Auctions		Plaese clarfiy the details for the reverse auction and how many bidders will consider during reverse auctions	All Qualified Bidders shall be considered.
30		4.2 Pt. no 4	The CT / VT ratio shall be field programmable, and Relay shall display the actual HV/ LV Voltage and current instead of values normed to 110V & 1/5A.	Offered TMU have both 1A/5A settings, However it should be presettable before manufacturing.	No deviation is allowed.
31		4.2 Pt. no 5	Relay shall have the facility to make online efficiency monitoring of Power Transformer	As per the tender spec, the requirement of CT is 02 nos. Offered TMU has 03 CT. Please clarify on the calculation principle/calculation formula required for Online efficiency monitoring feature? Please provide, so we shall confirm.	No. of CT inputs should not be less than 2. Current input (single phase) of HV and LV sides shall be feed in to the TMU to calculate the PTR efficiency.
32		4.2 Pt. no 7	The RELAY shall have facility to show the single line diagram of transformer feeders in the form of MIMIC diagram, which could facilitate the user in ascertaining the status of parallel operation like which transformer is running in parallel with which transformer.	Offered TMU have 2*16 character display, which can show all metering and other parameters.For Mimic diagram, we can provide a Real Time Automation Controller at control center which have facility to show the single line diagram of transformer feeders in the form of MIMIC diagram, which could facilitate the user in ascertaining the status of parallel operation like which transformer is running in parallel with which transformer.	No deviation is allowed.
33		4.2 Pt. no 8c	Monitoring of operating hours of Tapchanger, Fans and Pump	Offered TMU can monitor the specified function using 4-20mA input. Please clarify your principle of monitoring.	the time duration of tap changing process to be summed up. The summation may be individually for tap raise and tap lower
34		4.2 Pt. no 8e	Monitoring of Oil level in Transformer and Tap changer	Offered TMU can monitor the specified function using 4-20mA input. Please clarify your principle of monitoring.	not required
35		4.2 Pt. no 8f	Monitoring of Temperature in Transformer	Temperature of Transformer should be monitored by WTI and OTI. Specify whether the inputs are RTD based or 4-20mA input. Please clarify.	OTI WTI temperature to be brought into TMU field wiring if required to be done. Control cable laying will be in our scope
36		4.2 Pt. no 8g	Monitoring of Temperature in Tap changer	Specify whether the inputs are RTD based or 4-20mA. Please clarify	not required
37		4.2 Pt. no 8h	Monitoring of Dissolved Gas content	Specify whether the inputs are RTD based or 4-20mA. Please clarify	not required
38		4.2 Pt. no 8i	Monitoring of Moisture content	Specify whether the inputs are RTD based or 4-20mA. Please clarify	not required

39		4.2 Pt. no 13	The IED should have web HMI function	Offered TMU has Software based Web-HMI for online monitoring of all parameters and also the software is free along with the TMU. Same software can be used from CONTROL Center.		Online monitoring of the function blocks or remote access/engineering through the software is must. Web HMI shall be considered as optional.
40		4.2 Pt. no 16	Compliant to IEC 61850-9-2LE Standard	The protocol is not applicable for the TMU & AVR application . And this is a vendor specific requirement.		Noted. TMU on Process Bus shall not be required for this tender.
41		4.2 Pt. no 19	The Unit should have at least the following methods as option for the compensation of voltage. · Active Current · Reactive current	The voltage regulation is done using voltage input and active load current input only.		No deviation is allowed.
42		4.2 Pt. no 25	The unit shall have facility to compensate the VT and CT- errors.	As per our experience with other distribution utilities, Compensation of CT and VT errors are not applicable for this application. Kindly clarify application requirement ?		No deviation is allowed. This helps to rectify any errors arising due to ageing of VT and CT by setting offset value in the TMU.
43		4.2 Pt. no 28	The unit shall have integrated feature to make the parallel operation of 4 transformers working in parallel. The relay shall be self-sufficient and shall not require any additional devices like parallel balancing module etc. All industry standard principals for OLTC control should be available in the unit.	The parallel operation is possible only with the Master and slave.		No deviation is allowed.
44		4.2 Pt. no 40	The minimum IO & LED Capacity of TMU shall be DI - 22, DO - 11, AI - 04, CT - 02, LED - 12	Offered TMU have DI-18, DO-11, AI-04, CT-04, LED-14.		No deviation is allowed. The no. of IOs (including analog, CT & VT) and LED should not be less than as specified in the technical specification.
45		Page no.8 (Point no.1.7.a)	The bidder should have an average annual turnover of Rs.50 Crores in last three financial years (FY 17-18, FY 18-19 and FY 19-20). Copy of audited Balance Sheet and P&L Account to be submitted in this regard.	Could you please amend average annual turnover to Rs. 10-15 crores in last three financial year. Also, fy 19-20 balance sheet is not finalized yet so we cannot submit it. We request you to allow us to submit CA certificate to support this qualifying criteria		Existing provisions of Tender Documents shall prevail.

46		Page no. 8 (Point no. 1.7.c)	<p>The bidder should have executed (supply, erection testing and commissioning) 65 nos of quantity of TMU or a single order for 35 nos of TMU or 2 orders each for 24 nos of TMU in last three FYs. Copy of work order / completion certificate to be submitted in this regard. For CRP the same condition holds to be true. The supplied relays will be retrofitted in the old panels.</p>	<p>We request you to remove word "erection,testing and commissioning" since many a times these activities are done by main contractor, local contractor in respective country.</p> <p>Example - Our malaysian partner takes the complete contract and subcontracts only supply part on us since we are manufacturing organization.</p> <p>example 2 - Many a times bigger contract is awarded to companies like Siemens/ABB/GE and we get only contract for Supply & commissioning(optional)</p>		<p>SITC of TMU in all respects shall be in bidder's scope.</p> <p>The scope of this specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading of Transformer Monitoring Unit as mentioned in the specification at site/stores complete with all accessories like configuration cable, software CD, etc.. The specific requirements are covered in the enclosed technical data sheet. Tender scope includes</p> <ol style="list-style-type: none"> a. SITC of TMU including extension of technical support for the integration of TMU with RTU as well as SCADA and P2P Testing b. Supply, laying & termination of FRLSH 1.1kV Cu control cable within C&R Panel. 1.5 sq.mm for Aux. Supply, Indication and Control Circuits and 2.5/4 sq.mm for CT/VT Circuits. c. Supply & installation of ferrules & tinned copper lugs d. Supply, laying & termination of CAT-VI/FO Patch Chords (redundant) for SCADA Communication e. Supply & installation of DC MCB and Contact Multiplier Relay (CMR) of suitable rating. Approved MCB & CMR makes: ABB/Eaton/Schneider/Siemens/L&T f. Supply & installation of TPI, OTI, WTI and any other Transducers g. Supply & installation of Terminal Blocks, if required. Approved TB make: Connectwell/Pheonix. Disconnecting type TBs need to be provided for CT and VT Circuit. h. Cutting of panels for the mouting of TMU i. Supply & installation of blanking plates, if required. Colour of the blanking plates shall be same as that of the C&R Panel in which the TMU is going to be installed. g. Any accessories, tools & test equipment which are not listed but required for the successful installation, testing and commissioning
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47		Page no. 8 (Point no. 1.7.e)	The bidder should have dedicated service team in TPCODL to attend issues within 24 hours or bidder shall develop dedicated service team in this area in the event of award of contract, before commencement of supplies. Bidder should submit the undertaking in this regard.	We request 24 hours to 5 Business day for physical presence . Our team for remote support is available to help within less than 24 hours.		No deviation is allowed
48		Page no. 9 (Point 2. Note)	In case a new bidder is not registered with TPCODL, factory inspection and evaluation shall be carried out to ascertain bidder's manufacturing capability and quality procedures. However, TPCODL reserves the right to carry out factory inspection and evaluation for any bidder prior to technical qualification.	We have registered with TPCODL, however, if factory inspection is to be carried out then the same could be done at our factory at TPCODL's cost.		Noted.
49		Page no.10	Signing of Bid documents	We wish to inform you that due to this pandemic we all are working from home and it is difficult to provide stamp & sign on all the tender documents, so kindly advise if we can submit the documents without stamp & sign. We shall submit stamp & signed documents once we resume the office.		Please ensure submission of all required documents in e- Tendering platform
50		Page no.10	EMD Original Hard Copy shall be delivered at the following address	Hard copies of EMD can't be couriered as we will be attaching soft copy of the same during online submission of tender.		It is Mandatory to submit the Hard Copy by Courier. Scan copy / Xerox copy of same is to be uploaded during online submission.
51				After login to ARIBA for tender, "add document" option is not available under tender details, techno-commercial, price bid.		Noted. Please contact the tender contact person in case of any difficulty related to bid submission through ARIVA
52		Page 14 (Point No. 7.1)	BA shall submit GTP / Drawing within 2 weeks from issuance of rate contract. In case BA does not get necessary approvals for issuance of CAT-A within mentioned / mutually agreed timelines, then TPCODL reserve the right to cancel issued rate contract / release order and also reserve the right to forfeit EMD / PBG.	The item being tendered is a standard " make to order" device and the sample of the drawing could be provided along with the tender submission		No deviation is allowed

53		Page 14 (Point No. 7.1)	Any change in statutory taxes, duties and levies during the contract period shall be borne by TPCODL. However, in case of delay in work execution owing to reasons not attributable to TPCODL, 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 TPCODL.	We regret that we can not accept such clause since for any delivery delay LDs shall be applicable . Increase/decrease in price due to actions initiated by Govt can not absored by us. You will appreciate that if there is delay in delivery from our side and if GST gets reduced from 18% to 12% , TPCODL will not allow us to claim 18% from TPCODL		Existing provisions of Tender Specification shall prevail.
54		Page 15 (Point No. 7.1)	Delivery period shall be 60 days from date of receipt of release order / CAT-A issuance, whichever is later	We request you to allow a period of 90 days from the date of release order/CAT-A issuance , whichever is later		No deviation is allowed
55		Page no.15 (Point no. 7.2)	Drawing Submission and Approval	Final wiring scheme will be provided along with Order confirmation for connection purpose.		GTP & Drawings should be submitted for TPCODL approval within 2 weeks from issuance of rate contract/rate order and within 5 days for resubmission, in case resubmission of drawing is required.
56				3nos. of LED available instead of the requested 12nos. We feel that the event list is the better option		No deviation is allowed. No. of IEDs should not be less than as specified in the technical specification.
57				Referring IEC 61850-9-2LE, sampled values are indicated. ETOS cannot handle that option. We are also not pretty sure whether that option is really required if TPCODL asks for 3phase measures of voltage & current.Shall be clarified latest in order stage		Noted. TMU on Process Bus shall not be required for this tender.
58				Topology is manually configurable by TPLE functionality at the moment. However, we just work on that topic, so it can be available in order stage.		Query is not clear
59				Specification asks for dissolved gas monitoring. Unfortunately, the indication of gases is missing. ETOS has the possibility of a sensor bus or AI.		not required

60				<p>Although, we offer a DGA sensor with 8 and 2 gases plus moisture. We are recommending to use 2gases only, because in a first step an indication is required only. Afterwards an oil sample is required and analyses in the laboratory getting the root cause of the failure. 2 or 8 gases won't change that procedure. The two gases of H2 (Hydrogen) and CO (carbon monoxide) are enough giving the indication of the type of failure, temperature or aging. Rest will be indicated by the full Dissolve Gas Analyses in the laboratory."</p>		not required
61				<p>Since MR, Germany is the leader of this technology we believe a Performance certificate is not required for us to prove our technical competence and quality. Generally we do not chase our users to get performance certificates, we request you to waive off this point for us. Kindly consider our request and do the needful in this specification. The changes you made will be definitely beneficial to your management to get an experienced service with excellent prices as well</p>		No deviation is allowed.