

Pre Bid Query Tender Enquiry No : TPSODL/OT/2022-23/089 SITC of Transformer Monitoring Unit				
S. No.	Clause No.	Tender Clause Details	Bidder Query	TPSODL Responses
1	7.4 Payment Terms:	On delivery of the materials in good condition and commissioning of TMU and certification of acceptance by certified official. Associate shall submit the Bills/ Invoices in original in the name of TP Southern Odisha Distribution Limited to Invoice Desk.	90% payment against supply of material at store within 30 days and 10% against testing and commissioning within 30 days from the date of commissioning of the equipment or within 45 days from the date of receipt of material, whichever is earlier. Payment shall be released within 30 days from date of submission of Bill/Invoice complete in all respects.	Post submission of an error-free and verified invoice (s) from EIC, payment shall be released within 45 days. For Supply :- 40% of supply part on completion of supplies. Balance 60% on successful installation of prorata basis. For ITC :- 100% to be released against successful installation on prorata basis. In case, installation of TMU units not completed within 90 Days from the date of delivery reasons attributed to TPSODL, the balance 60% payment for supply part shall also be released.
2	1.7 Qualification Criteria (3)	The Bidder should have supplied at least 100 Nos of Transformer Monitoring Unit (TMU) of 33kV/11kV Power Transformer during last 5 years and must submit experience certificate at least one number of SITC of TMU (Copy of work order /completion certificate to be submitted).	We will be submitting the PO of Last supplied TMU to TPCODL as the total quantity may/may not be 100 Nos however we confirm that the relay (RET670) used for TMU functionality has been supplied to various utilities.	Tender T&C shall prevail.
3	1.7 Qualification Criteria (4)	OEM/Bidder shall submit at least 1 performance certificate showing at least two years satisfactory performance in design, manufactured, testing, installation and commissioning of 33kV/11kV TMU of Power Transformer in any reputed transmission and distribution sector. Please note that performance certificate should not be older than 5 years from due date of submission of bid.	We will be submitting the PO of Last supplied TMU to TPCODL as the total quantity may/may not be 100 Nos however we confirm that the relay (RET670) used for TMU functionality has been supplied to various utilities	Tender T&C shall prevail.
4	7.3 Delivery Timeline:	Supply, Installation, Testing and Commissioning of Transformer Monitoring Unit Test Benches shall be completed within 45 days from date of issuance of RO/ GTP approval whichever is later at PAN TPSODL Stores/Sites	Due to ongoing Microchip Shortage & other raw material availability issues, we request to to revise the delivery in 20-24 weeks from date of PO.	Delivery Period shall be 60 days from the issue of RO or GTP approval whichever is later. ITC will be done within 4 weeks from the date of receipt of site clearance from TPSODL for commissioning.
5	ANNEXURE I	Schedule for Items	We understand the unit Price is Including commissioning of supplied TMU. It doesn't include any supply of cables, material required for installation, erection & Other installation related activities. Also, the unit shouldn't be (Rs/Mtr)	Pls refer revised Annexure-I.... There will be two sperate line items 1.Supply of TMU Unit 2.ITC of TMU Unit
6	ANNEXURE VII	SCOPE OF WORK 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 TMU.	We understand the scope is limited to only supply of TMU & its commissioning, All other activities like erection, installation unloading, mounting, wiring & cable termination etc. is not in bidder's scope.	Tender refers to supply of TMU & ITC of the same.
7	4.2 Transformer Monitoring Unit	The unit shall have facility to recode the voltage and current with respect to time. Each of voltage value shall be measured for 100ms and averaged for 1 second. The recorded values shall be presented in graphical format on the device.	We confirm that recorded DR can be presented in form of graphical format however on relay only number representation is possible.	Noted
8	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.	Whether the supplied TMU to be used in digital s/s as for Process Bus, the process bus network is also required. All other accessories like PTP complied Ethernet switch& related accessories will not be in bidder's scope. Kindly confirm.	PRP/RSTP with 2 RJ45 port required & all other accessories not in bidder's scope.
9	4.2 Transformer Monitoring Unit	The device should be capable of taking tap position, oil temperature and winding temperature inputs directly from the Merging Units	We assume that these inputs will be made available from respective transducer to the supplied TMU. We are proposing 6 nos 4-20mA in supplied TMU.	Noted
10	14 Spares, Accessories and Tools	Minimum spares should be provided for trouble free operation.	Kindly share the BOQ for spare.	Not required
11	1.7- Qualification Criteria: Point No. 3	Bidder shall submit at least 1 performance certificate showing satisfactory operation for more than 01 year from NABL accredited laboratory / Utilities / Govt. Dept. of India / Any reputed organization. The work against these issued certificates should be completed in last five years from the date of bid submission. Please note that Performance Certificate should not be older than 5 years from due date of submission of bids.	Kindly consider Experience of International Supply and also Supply Experience to Transformer Manufacturers as well.	Tender T&C shall prevail.
12	7.3 Delivery Timeline:	Supply, Installation, Testing and Commissioning of Test Benches shall be completed within 45 days from date of issuance of PO/ GTP approval whichever is later at TPSODL Central Store at Berhampur.	Delivery timeline mentioned in the tender is not sufficient. We request you to amend the same to at least 90 days from date of issuance of PO/ GTP approval whichever is later .	Delivery Period shall be 60 days from the issue of RO or GTP approval whichever is later. ITC will be done within 4 weeks from the date of receipt of site clearance from TPSODL for
13	4.2	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.	One phase of CT will be in HT & one phase of CT in LT. HV & L.V P.T supply for Energy and Loss calculation.
14	4.2	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
15	4.2	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.	4-20mA Analog I/p
16	4.2	Monitoring of Temperature in Tap changer	Specify whether the inputs are RTD based or 4-20mA. Please clarify	4-20mA Analog I/p
17	4.2	Monitoring of Dissolved Gas content	Specify whether the inputs are RTD based or 4-20mA. Please clarify	Not Required
18	4.2	Monitoring of Moisture content	Specify whether the inputs are RTD based or 4-20mA. Please clarify	Not Required
19	4.2	Compliant to IEC 61850-9-2LE Standard	The protocol is not applicable for the TMU & AVR application . And this is a vendor specific requirement.	TMU shall be capable for communication with RTU(RJ 45)
20	4.2	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. The offered TMU supports compensating for resistive and reactive voltage drops on the line between the transformer and the load center.	Noted
21	4.2	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 ?	Noted
22	4.2	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 TMU. The specific requirements are covered in the enclosed technical data sheet.	Please confirm whther we need to consider separate panel/enclosure for new TMU or not.if yes, please provide us the panel specifications.	Tender refers to Supply of TMU & ITC of the same & Technical Specification as per tender document.