

Tender No : TPCODL/P&S/100000283/2022-23

Supply of Portable LT&HT Electronic Reference Standard Meter/ Testing Kit

Replies to Pre Bid Queries

Sl. No.	Clause No	Page No	Clause Details	Query	TPCODL Replies to Queries
1		1	EMD is exempted for MSME Bidders	We are registered with MSME udyam and National Small Industries Corporation having registration certificate. Herewith we have enclosed the MSME udyam for your reference. Though the validity of NSIC certificate is just expired on 09.10.2022 and renewal is under process, we have attached the expired copy as well. We request you to kindly consider the MSME udyam certificate and provide exemption from EMD.	EMD is only exempted for MSME bidders registered in the state of Odisha.
2	0.1 Accuracy ERS Specification	Cl.6.0 General Requirements	e.)The Portable three phase calibrator shall have six nos. (i.e. R/Y/B – In and R/Y/B – Out) separate terminals for current measurement up to 12 A and four nos. for Voltage measurement up to 300 V AC. The banana type terminals shall have of minimum dia. 4 mm having safety socket of CAT-III 600 V. Single connector on equipment won't be acceptable for direct current measurement.	1. We are providing Single Metallic connector (Milgrade) in Direct mode to avoid any CT Open cases in field condition as per multiple feedback received from different utility officials. 2. Since the requirement of current modes for both the specifications (0.1 ERS & LT ERS) are identical, but in case of 0.1 ERS we found that it has mentioned as "Single connector on equipment won't be acceptable". We request you to kindly consider our product with Single Metallic connector.	Specification to be complied
3	0.1 Accuracy ERS Specification	Cl.6.0 General Requirements	r) The offered equipment shall have CE marked. The bidder shall submit CE declaration for the same.	We offer type tested products as per relevant Indian Standards and as per " Make in India" guidelines. As per our understanding CE marking required for products which are being used in European market. Thus for your requirement where the equipment is going to be used in India, we request you to consider our type tested products only as per relevant IS.	Noted
4	0.1 Accuracy ERS Specification	Cl.6.0 General Requirements	s.)The offered equipment shall have test output in the form of frequency on BNC socket for its own calibration. Separate frequency output for Active and Reactive mode in form of LED will not be acceptable.	We offer the product with both Frequency O/P & LED O/P. Kindly consider & confirm.	Specification to be complied
5	0.1 Accuracy ERS Specification	Cl.27.0 Calibration Certificate	The bidder shall have to submit calibration certificate from CPRI/ERDA/any Govt. NABL or any International accredited laboratory of reference ERSS. The offer without certificate not be considered for further evaluation. Also the certificate shall not be older than 5 years from the date of tender.	NABL is an autonomous body under Ministry of Commerce and Industry, GoI which provides accreditation to Govt as well as Private laboratories as per their infrastructure and capabilities. So we request you to consider the calibration certificates issued from NABL accredited Govt. and Private laboratory also. Kindly consider.	The bidder shall have to submit calibration certificate/type test report from CPRI/ERDA/any Govt. NABL/NABL Accredited Laboratory or any International accredited laboratory of reference ERSS. The offer without certificate not be considered for further evaluation. Also the certificate shall not be older than 5 years from the date of tender.  Inhouse type test report shall not be considered.
6	LT ERS Specification	Cl.4.0 General Technical Requirements	8.) Current in Direct Mode using Ring CT (Imin to Imax) 1 -2 Amp & - 10Amp (separate terminals)	We provide software switchable current range through a single terminal. So separate terminal for different current values are not required for our offered product. Kindly consider the same.	Noted

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7	LT ERS Specification	Cl.4.0 General Technical Requirements	9.)Current using Clamp on CT (Imin to Imax) 100/ 200/ 300/ 500 Amp	Different clauses mention different current values for the primary current clamp. Kindly confirm the Ib for current clamp mode. 500mA to 300A is a standard current range for clamp on CTs as per application area. Kindly consider.	Noted
8	LT ERS Specification	Cl.5.2 Measurement Mode	LT Three phase:- A set of 3 LT clamp on type CT to be provided with suitable connecting cable to measure from 100mA to 1000A.		
9		Cl.4.0 General Technical Requirements	15.)Weight along with the case	The weight of the set of current clamps (R,Y & B - 3 Phases) of each unit itself weighs around 3KG & the reference meter weighs around 2 KG. So the weight of the each Testing Instruments including carrying case will be around 10 – 11 KG and it is suitable to transport through a 2 wheeler. Request you to amend this clause suitably.	Noted
10		Cl.6.0	Operator Data entry	As per field conditions the below mentioned resolution / No. of Characters / digits are sufficient. Request you to amend this clause suitably. 8. PT Ratio – 6 9. CT Ratio – 5 10. Test Duration – 8 11. Percentage Error Active, Reactive (Lag/Lead), Apparent Energy – 9 12. Energy Recorded Comparison i.e. RSM Vs MUT for Active, Reactive (Lag/Lead), Apparent Energy – 9	Noted
11		Cl.2.0	Applicable Standards	The accuracy for the given specification as 0.2s for Direct mode & 0.5S for Clamp on mode,but the relevant standard for given accuracy - IS14697 is not mentioned. So, we request you to kindly include IS14697 in this clause.	Noted
12		Cl.7.0	Embossing and Marking	We request you to kindly amend the clause as " The instrument shall be provided with durable and legible marking embossed / engraved, effectively secured against removal as per the relevant standards. This is for your kind information that we have already supplied similar equipments with engraving to TPWODL in recent past.	Noted

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13		Cl.9.0 Calibration certificates	The bidder shall furnish the Calibration Certificates for the tests as mentioned above as per the corresponding standards. Calibration test should 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 the Purchaser.	Generally Calibration certificate for every equipments should be done at the time of supply for one year validity. But in the specification given as " not exceeding 5 years from the date of opening the bid". We will submit valid type test reports.Kindly clarify the same.	The bidder shall have to submit calibration certificate/type test report from CPRI/ERDA/any Govt. NABL/NABL Accredited Laboratory or any International accredited laboratory of reference ERSS. The offer without certificate not be considered for further evaluation. Also the certificate shall not be older than 5 years from the date of tender.  Inhouse type test report shall not be considered.  Calibration certificate for every equipments should be submitted at the time of supply for one year validity
14	clause no. 1.7	Qualification Requirement / Eligibility Criteria	The bidder (OEM and/or authorized dealer/distributor) should have successfully executed the supply of minimum 10 Nos for 0.1 Accuracy Class ERS Testing Kits and minimum of 70 Nos. for LT Portable Reference Standard Meter during the last Five years. In this regard, copy of supply/work order along with order completion certificate/ evidence of supply and performance certificate from the client to be furnished with the bid document.	Please clarify that in case the OEM is based outside India, then their foreign credentials shall be accepted	Noted
15	clause no. 1.0	5	EMD Amount Rs 50000	Kindly amend the clause, Now almost every electricity boards/Govt Departments/ Utilities in India provide relaxation in EMD exemption to promote NSIC / MSME Bidders for wider participation in Bid	EMD is only exempted for MSME bidders registered in the state of Odisha.
16	clause no. 1.7	Qualification Requirement / Eligibility Criteria	The bidder (OEM and/or authorized dealer/distributor) should have successfully executed the supply of minimum 10 Nos for 0.1 Accuracy Class ERS Testing Kits and minimum of 70 Nos. for LT Portable Reference Standard Meter during the last Five years. In this regard, copy of supply/work order along with order completion certificate/ evidence of supply and performance certificate from the client to be furnished with the bid document.	Experience criteria shall support open tender policy by allowing max participation of the prospective bidders. Keeping 25-30% of experience of supplying similar products irrespective of class shall be considered. If not than pro-rata basis bidding shall be allowed.	Specification to be complied
17	9.0 of Technical specs for 0.1 accuracy class ERS	3 of 12	The class of accuracy of the offered calibrator in active and reactive power & energy measurement shall be 0.1 for inbuilt direct mode without using any external measuring circuit and 0.2 with clamp on CTs of 300 A. The equipment shall have facility to interchange the clamp on CT from one equipment to equipment without affecting the overall accuracy. Sample test report confirming accuracy for both measuring modes shall be submitted along with the offer.	In order to reduce the type and inventory common type of equipment shall be asked which can be used for testing of all kind of Three Phase static meters be it LT or HT . Most HT meters required only max current up to 10A and class of the meters goes up to 0.2 direct mode capability shall be 0.05 to comply with laboratory test standard. Equipment suitable to auto configurable with min 2-3 ratings of clamps serve all your requirement and simplifies the procuring / testing and inventory management.	Specification to be complied.  The equipment should be suitable to carry out the testing of all types of energy Meters (Single Phase , LT Polyphase Whole Current, LTCT operated Meter & HT Meters)
18	4.0 Technical specs of LT Reference standard meter	3. Accuracy Class	0.2S for Direct Mode /0.5 S for Clamp On Mode	As explained above: two type of equipment's can be clubbed in one requirement without much of cost implications.	Specification to be complied

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19	1.4.4 -Page No-6- Mandatory documents required along with the Bid		Drawing, Type Test details along with a sample of each item as specified at Annexure I (as applicable)	In clause no of 14 of Technical Specifications it is mentioned that samples are not required. Please provide clarification on this point.	Demonstration to be given. Sample not required
20	2.0 Evaluation Criteria		Bidder has to mandatorily quote against each item of Schedule of Items [Annexure I]. Failing to do so, TPCODL may reject the bids <b>3.3 Bid Prices</b> Bidders shall quote for the entire Scope of Supply/ work with a break up of prices for individual items and Taxes & duties. <b>ANNEXURE I - Schedule for Items</b> Note: The bidder must fill each and every column of the format attached.	We are quoting for only one item i.e. Standard Portable Reference Meter (LT). Kindly amend/ remove this clause	Noted . Evaluation shall be done item wise.
21	APPLICABLE STANDARDS		The equipment covered by this specification shall unless otherwise stated, be designed, manufactured and tested in accordance with the latest editions of the following Indian/International standards and shall conform to the regulations of the local statutory authorities IS 12346 : Testing equipment for AC Electricity Energy Meters IEC 62053-22 : Electricity Metering Equipment (A.C.) IS 15707 : Testing, evolution, installation and maintenance of AC Electricity Meters-Code of Practice IEC 60736 : Testing equipment for Electrical Energy Meters.	Offered product complied to IS14697:1999 but not completely. It does not comply with RE Test, EFT, Magnet, Power consumption and Frequency variation test	Noted
22	4.0 GENERAL TECHNICAL REQUIREMENTS		S No-6: Test Results storage facility- Min. 500 test results	The NVM will store 200 results on first-in, first-out basis. Kindly accept	Noted
23	Tech Specification-LT SPRM-Page3-11		S No-8: Current in Direct Mode using Ring CT (Imin to Imax) : 1 -2 Amp & - 10Amp (separate terminals)	Current in Direct Mode (Ib) : 1 Amp & 5 Amp (separate terminals) . The maximum current rating shall be 200% for the respective basic currents.	Noted
24	Tech Spec-LT SPRM-Page 3 of 11		S No-9: Current using Clamp on CT (Imin to Imax) : 100/ 200/ 300/ 500 Amp	We suggest offering 300 A clamp CT . Kindly accept	Noted
25	Tech Specification-LT SPRM-Page3-11		S No-15: Weight along with the case : Less than 2.5 Kg	Weight along with the case : 10.5 kg (approx.)	Noted
26	5.0 GENERAL CONSTRUCTION		LT SPRM computes the error in the field and the test report can be printed using a portable printer	The offered equipment does not have provision for portable printer. Kindly accept	Noted
27	5.1-Manufacture-Page 3 of 11		The SPRM shall consist of display window with features elaborated in cl 5.4 and keypad with sealed membrane with alpha numeric keypad with separate keys for alphabets and numbers. The enclosure shall be of high strength and Calibration LED shall be available for Primary Calibration.	Offered product has keypad without sealed membrane and common keys for alphabets and numbers. Kindly accept the same	Noted

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28	5.2 -Measurement Mode		Clamp On CT Mode: LT Single phase:- One number clamp on type current transformer (CT) shall be provided along with suitable connecting cable length to measure from 500m Amp to a maximum current of 60 Amp. The accuracy class shall be 0.5 at UPF in this range. LT Three phase:- A set of 3 LT clamp on type CT to be provided with suitable connecting cable to measure from 100m A to 1000A.	Clamp on CT Mode: LT Single Phase -We compliance the same. LT Three Phase :- Our offered equipment provided with suitable connecting cable to measure from 300mA to 300A. Kindly accept the same.	Noted
29	5.5-Accessories		ii) A set of suitable Clamp on CT with Cable For LT SPRM – LT 3phase - clamp with range 300A min. For LT SPRM – LT 1 phase - clamp with range 60A min.	For LT SPRM : LT 3phase and LT single phase - In our design common clamp on CT will be provided for both 3 phase and single phase mode. Testing can be performed by the same CT in both the mode. Kindly accept the same	Noted
30	5.5-Accessories		Viii) Carrying Case- Soft Case should be suitable to protect equipment. It should be safe and easy for transport on 2 wheeler vehicle.	Carrying case will be sturdy and handy Aluminum case. Kindly accept	Noted
31	5.7-Tech Spec- Connection Check		The equipment shall have auto connection check facilities for following: 1. Over Current 2. Over Voltage 3. Low Voltage 4. Reverse Current 5. Missing Current	Low voltage is not available in connection check. Kindly accept the same	Noted
32	6.0-Tech Spec- Operator Date Entry		S No-7: Test Revolutions / Pulses per kWh - 5 digit Numeric	The maximum value for Test Revolutions / Pulses per kWh can be entered is 65534. Kindly accept the same	Noted
33	6.0-Tech Spec- Operator Date Entry		S No-8: PT Ratio : 10 Alphanumeric	In normal practice PT ration value always numeric. PT ratio can have a value as high as 99999. Kindly accept the same	Noted
34	6.0-Tech Spec- Operator Date Entry		S No-9: CT Ratio :10 Alphanumeric	In normal practice CT ration value always numericCT ratio can have a value as high as 99999, Kindly accept the same	Noted
35	6.0-Tech Spec- Operator Date Entry		S No-11: Percentage Error Active, Reactive (Lag/ Lead), Apparent Energy : 10 Alphanumeric	Percentage error will be calculated automatically and it will be displayed and stored in NVM also with suitable digits(+/- 000.00), Kindly accept the same.	Noted
36	6.0-Tech Spec- Operator Date Entry		S No-12:Energy Recorded comparison i.e. RSM Vs MUT for Active, Reactive (Lag/ Lead), Apparent Energy : 10 Alphanumeric	Energy Recorded comparison will be stored automatically in NVM and it will be displayed with suitable digits(+/- 00000.0000) Kindly accept the same.	Noted

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37	7.0-Tech Spec- Embossing and marking		The instrument shall be provided with durable and legible marking embossed, effectively secured against removal as per the relevant standards. The Reference standard Meter shall be embossed with the following: a) Property of TPCODL, Bhubaneswar. b) Purchase Order No with date c) Item Code Number d) Manufacturer's name e) Serial number f) Month and Year of manufacture	We will provide the information on Metallic Plate, which will fixed on LT SPRM , kindly accept the same.	Noted
38	8 -Tech Spec-Test		All routine, acceptance & type tests shall be carried out in accordance	Offered product complied to IS14697:1999 but not completely. It does not comply with RE Test, EFT, Magnet, Power consumption and Frequency variation test.  Certificate of the same will be provided with 300A rating	Noted
39	12-Tech Specification- Guarantee		In case of insulated mats fails within the guarantee period the purchaser will immediately inform the bidder who shall take back the defective mats within 15 days from the date of intimation at his own cost and replace insulated mats within fortyfive days of date of intimation with a roll over guarantee. The outage period i.e. period from the date of failure till unit is repaired / replaced shall not be counted for arriving at the guarantee period. Bidder shall further be responsible for 'free replacement' for another period of THREE years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Purchaser	Warranty of the offered product is for 66 months from the date of supply however we will not provide any roll over warranty.  Offered product will not warranted for any 'Latent Defects' after end of warranty period i.e. 66 months from the date of supply. Kindly accept the same	Noted
40	9-Tech Specification- CALIBRATION CERTIFICATES		The bidder shall furnish the Calibration Certificates for the tests as mentioned above as per the corresponding standards. Calibration test should 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 the Purchaser.	Type Test available of YMPL Dtd: 20.06.2015.  There is not minimum deadline is defined for validity of type test of meter. As per Standard 14697 ,(Caluse No 3.7.1 type test and Clause No: 12.2 classification of tests) type test is required to prove product conformity with relevant standard, repeated test/ report is required if there is any change / modification are made in meter , it recommended by standard that it will be sufficient to perform limited test on the characteristics that may be affected by such modification/ design. As there is no modification / design changes made in product. Hence type test of product should be consider as "Valid" Kindly accept the same	Noted
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