



**NATIONAL INSTITUTE OF TECHNICAL TEACHERS
TRAINING & RESEARCH
CHANDIGARH - 160019**

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e-TENDER NOTICE

I	Downloading of e-tender documents	Start Date: 04.02.2022 at 10: 00 Hrs. End Date: 24.02.2022 at 11: 00 Hrs.
II	Date of submission of e-tender	Start Date: 04.02.2022 at 10: 00 Hrs. End Date: 24.02.2022 at 13: 00 Hrs.
III	Physical submission of EMD	Start Date: 04.02.2022 at 10: 00 Hrs. End Date: 24.02.2022 at 17: 00 Hrs.
IV	Opening of Technical Bids	25.02.2022 at 12 00 Hrs.

The bid document can be downloaded from the website of Chandigarh Administration **<https://etenders.chd.nic.in>** and Institute website www.nitttrchd.ac.in

Director

INSTRUCTIONS TO BIDDERS REGARDING e-TENDERING PROCESS

1. The Bidders shall have to submit their bids online in Electronic Format under Digital Signatures.
2. Tenders without Digital Signatures will not be accepted by the electronic tendering system. No tender will be accepted in physical form.
3. Bids will be opened online as per time schedule mentioned in "*Terms and Conditions of the Tender*".
4. Bidders must ensure that scanned copies of all the necessary documents have been uploaded with the bid.
5. Director, NITTTR, Chandigarh will not be responsible for any delay in online submission of bids due to any reason, whatsoever.
6. The conditional bids shall not be considered and will be out-rightly rejected.
7. The Financial Bid through e-tendering, of only those bidders shall be opened, who will qualify in the technical bid and are approved by the Purchase Committee/Technical Experts.
8. The bidders are required to upload self-attested copies of the relevant documents required as per Terms & Conditions, failing which their bids may be rejected.

TERMS AND CONDITIONS OF THE TENDER

1. The last date and time of submission tender (through e-tendering only) is **24.02.22 till 13:00 Hrs** and receipt of physical submission of EMD is **24.02.22 till 17:00 Hrs**
2. The rates quoted in BOQ should be the basic rate of the item only. All other components of the total cost such as taxes, freight, insurance, etc., as per F.O.R., NITTTR Chandigarh, must be mentioned in the terms and conditions of the quote.
3. Each tender must be accompanied with Earnest Money Deposit (EMD) in the shape of Demand Draft in favor of Director, NITTTR, Chandigarh payable at Chandigarh, valid for six months on any Scheduled Bank.
4. The EMD @ 5% amount of the cost of the equipment to be submitted by the bidder.
5. The sealed envelope of EMD should be clearly super scribed as **“EMD for (“item name”) e-tender closing on 24.02.22”** should be submitted in the office of Director, NITTTR, Sector-26, Chandigarh on or before **24.02.22 up to 17:00 Hrs**
6. The successful tenderer will have to give a performance warranty for an amount equal to 3% of the purchase order amount in one of the following forms:
 - (i) Account Payee Demand Draft
 - (ii) Fixed Deposit Receipt from a Commercial Bank
 - (iii) Bank Guarantee from a Commercial Bank on online payment
7. The quantity of items as indicated in the enclosed **Annexure I** are tentative. Director reserves the right to increase or decrease the quantity or delete some or all of the items depending on the needs of the institute.
8. If bidder is, an OEM/Item is proprietary then must attach the respective certificate. Any dealer bidding for the product must enclose the recent authorization certificate from the parent company.

9. The tenderer should indicate specifically the taxes, duties and levies chargeable against each item. Institute is eligible for concessional GST rates as applicable to research institute. Bidder to mention the regular GST applicable as well as concessional GST rates applicable for the product.
10. The above mentioned details particularly the GST, levies and other charges, if not quoted properly, the bid can be cancelled. Conditional/doubtful bids will also be liable for cancellation.
11. The rates quoted should be F.O.R., NITTTR Chandigarh. In case rates are chargeable at any other place, the packing and forwarding charges should be clearly mentioned indicating the mode of transport and insurance during transit.
12. The tenderer will be required to provide maintenance and services at site.
13. Any attempt direct or indirect, to cast influence, negotiation on the part of the tenderer with the officials/authority to whom he/she will submit the tender or the tender accepting official/authority before the finalization of tenders will render the tenderer liable for exclusion from consideration.
14. The requirements of the Institute in terms of category of equipment, detailed specifications and quantity are given in SCHEDULE OF TECHNICAL SPECIFICATION / REQUIREMENT (As per Annexures I). Director, NITTTR reserves the right to change the quantity for any/all items without assigning any reason.
15. The Tender must be submitted along with the copies of:
 - Manufacturers' license or authority from the manufacturer
 - Latest Income Tax Clearance Certificate
 - GST Registration Certificate
 - Copies of Performance Certificate if available should accompany the quote as these shall be an added advantage for assessing the performance of equipment.
16. The Director reserves the right to reject any or all tenders without assigning any reason whatsoever.
17. The tenders will be opened on the date and time indicated in the presence of tenderers if any present on the occasion.
18. The tenders not accompanied by Earnest Money or incomplete in any respect will be rejected.
19. No advance payment or payment against Performa invoice will be made. Payment will be made after receipt, installation and testing of items, to the satisfaction of the authorized representative(s) of the Director.
20. In case, the item(s) is to be imported for supply, irrevocable letter of credit will be opened with the Bank. The Institute's Banker is State Bank of India Extension Counter, Chandigarh College of Engineering and Technology, Sector-26, Chandigarh – 160019
21. All damaged or unapproved goods shall be returned at the risk and cost of the Tenderer and the incidental expenditure thereupon shall be recovered from them.
22. Department may visit to check the performance of any of the machine(s) before placing the order and therefore, provision for the same should be kept while submitting the bids.
23. All items should be made of durable material requiring minimum maintenance.
24. Prices quoted should include all accessories.
25. Items should be supplied with a minimum warranty of 1 year.
26. Equipment should be supplied with all necessary installation and operation tools.
27. Installation and commissioning shall have to be done by the vendor.

- 28.** Training for the operation of equipment's, if any, shall be provided by the firm free of cost to the faculty/other staff of the institute.
- 29.** The Equipment/Machinery will be maintained free of charges during the warranty period on the terms and conditions of the tender or Annexure.
- 30.** Instructional materials and e-manuals should be uploaded by the supplier free of cost.
- 31.** The bidder must fill the Check List from the authorized signatory only with the seal of the firm.
(As per Annexure-II)
- 32.** The Courts at Chandigarh shall have the exclusive jurisdiction to try all disputes arising out this agreement between the bidder or supplier and NITTTR Chandigarh if any.

Annexure-1

S.No.	NAME OF EQUIPMENT	QTY																		
1.	Probes for Power Analyser Probes /connectors /accessories for Existing YOKOGAWA WT 1803E Power Analyser as under :																			
1.1	AC/DC Current Sensor Rated Current: 0-1000A DC, 1500 Apeak (AC), Measurement Range: Frequency DC to 300 KHz, Accuracy: DC \pm (0.04% of rdg + 30 μ A) Accuracy: 50/60 Hz \pm (0.04% of rdg + 30 μ A) Sine wave Temp Coefficient: \pm 0.01%/ °C or less in the ranges from -40 to 18°C and 28 to 85 °C Load Resistance (+/- 15V): 0 to 1 Ω Power Voltage: \pm (15 V \pm 5%) Max. Rated Power: 30 VA Consumption Current (at each power voltage): 120 mA + output current Model code: CT1000A-Yokogawa Make Compatible with WT1803E Power Analyzer.	03																		
1.2	CT Connection Cables (To connect CT1000A with WT1803E)	03																		
1.3	+/- 15V DC Power supply with connections for CT Excitation	01																		
2.	Portable Power Analyser Features <ul style="list-style-type: none"> • Simultaneous measurement of 4 independent or combined electrical signals • Simultaneous measurement of on single phase or DC signal and a three phase signals {Such as input and output) for efficiency calculation. • Minimum 4 Nos of Galvanically Isolated voltage and current channels to avoid short circuit for any application • Direct voltage measurement upto 1000V • Direct current measurement upto 10 A • Current measurement via external clamp up to 2000Amps AC/DC • User adjustable measurement rate from 100ms to 1s • Measurement of RMS, DC Component, AC Component, Rectified Mean, Peak Value, Peak-Peak, Crest Factor, Form Factor, Fundamental Component, Fundamental Content, Harmonic Distortion , Harmonic Content, Harmonic Factor for voltages and currents , Active Power, Reactive Power, Apparent Power, Power Factor, Phase Shift, Efficiency, Impedance, Electric Energy, Charge/Discharge capacity (Ah), Frequency, Motor Speed, Torque , Mechanical Power, Mechanical Energy, Summation function • FFT analysis upto 6KHz • Voltage, current and power harmonic analysis from DC upto 100th order. • Unbalance analysis and Phasor diagram display • Voltage and current waveform in oscilloscope mode • Torque and speed measurement with optional sensors • Trend for all measured functions in the meter display • User Configurable display of measured values up to 20 parameters • Minimum of 8GB memory for storing configuration • USB / RS485 communication to transfer the data to PC • Analysis software for downloading data, waveform and spectrum. • Minimum accuracy guarantee of 2 years. <table border="1" data-bbox="368 1787 1299 2190"> <tbody> <tr> <td>Basic Accuracy for V&I</td> <td>Range 0.1% reading 0.05%</td> </tr> <tr> <td>Sampling rate</td> <td>200 kS/s or better</td> </tr> <tr> <td>Bandwidth</td> <td>500KHz</td> </tr> <tr> <td>Current clamp range/ accuracy and Jaw size</td> <td>2 - 2000A AC/DC, 0.8% and 52 mm Jaw size</td> </tr> <tr> <td>Operating temp</td> <td>-10 °C to +50 °C</td> </tr> <tr> <td>Display</td> <td>5.7 inch, TFT LCD, 640x480</td> </tr> <tr> <td>Power Supply</td> <td>230V</td> </tr> <tr> <td>Safety Standard</td> <td>1000 V CAT III and 600 V CAT IV</td> </tr> <tr> <td>Battery operated</td> <td>Li-ion with 10 hours battery backup</td> </tr> </tbody> </table>	Basic Accuracy for V&I	Range 0.1% reading 0.05%	Sampling rate	200 kS/s or better	Bandwidth	500KHz	Current clamp range/ accuracy and Jaw size	2 - 2000A AC/DC, 0.8% and 52 mm Jaw size	Operating temp	-10 °C to +50 °C	Display	5.7 inch, TFT LCD, 640x480	Power Supply	230V	Safety Standard	1000 V CAT III and 600 V CAT IV	Battery operated	Li-ion with 10 hours battery backup	01
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Annexure-11

**CHECK LIST DULY FILLED IN TO BE ATTACHED
WITH PRE-QUALIFYING-CUM-TECHNICAL BID
FOR THE MACHINERY/EQUIPMENT/SERVICES
FORNITTTR CHANDIGARH**

- | | | |
|----|---|--------|
| 1. | Whether copy of applicable EMD attached? | Yes/No |
| 2. | Whether tender document duly signed by authorized signatory Attached? | Yes/No |
| 3. | Whether a list of institutions / organizations where your firm has supplied this item / equipment / instrument / services recently, is Attached. | Yes/No |
| 4. | If you are an authorized agent / dealer / distributor of the firm / company / manufacturer and whether authority Letter as issued by them in your favor attached. | Yes/No |
| 5. | Whether Technical brochure of the equipment/services attached? | Yes/No |
| 6. | Whether OEM/Proprietary item certificate, if applicable is attached. | Yes/No |
| 7. | Whether GST Registration Certificate attached | Yes/No |

Note: - If Yes, must attach all relevant documents.

**Signature of authorized
signatory with seal of
the firm**