

TRIPURA UNIVERSITY

(A Central University)
Suryamaninagar
Tripura West – 799022

No.F.TU/FIN/Physics/09/Vol-IV/20

Date: 11-02-2026

NOTICE INVITING e- TENDER

Tripura University invite e- Tender from the bonafide Manufacturers/Authorized Dealers for supply and installation of Equipment's for the Department of Physics, Tripura University. The Details can be seen at Tripura University website: www.tripurauniv.ac.in. However, for submission of documents please visit <https://eprocure.gov.in/eprocure/app>

Sd/-

**[Dr. Nirmalya Debnath]
Drawing & Disbursing Officer**

Signature Not Verified

Digitally signed by NIRMALYA DEBNATH
Date: 2026.02.11 12:26:13 IST
Location: eProcure-EPROC

TRIPURA UNIVERSITY

(A CENTRAL UNIVERSITY)

Tender No:- No.F.TU/FIN/Physics/09/Vol-IV/20



E-TENDER Document for:

Name of the Item: - Supply and Installation of Equipment's for the Department of Physics, Tripura University, Suryamaninagar.

TRIPURA UNIVERSITY
(A Central University)
 Suryamaninagar – 799022

No.F.TU/FIN/Physics/09/Vol-IV/20

Date: 11-02-2026

Name of Item: Supply and Installation of Equipment's for the Department of Physics,
 Tripura University, Suryamaninagar

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Certified that this Notice Inviting e-Tender contains 12 (Twelve) pages numbered from 1 to 13 and schedule of the e-Tender is shown in Section – I

(Dr. Nirmalya Debnath)
Drawing & Disbursing Officer (DDO)

SECTION- I

NOTICE INVITING TENDERS

LIST OF DATES

TRIPURA UNIVERSITY

(A Central University)

Suryamaninagar – 799022

NOTICE INVITING e-TENDER

1. Tripura University invite e- Tender from the bonafide Manufacturers/authorized Dealers for Supply and Installation of Equipment's for the Department of Physics, Tripura University, Suryamaninagar., Suryamaninagar. The Details can be seen at Tripura University website: www.tripurauniv.ac.in. However, for submission of documents please visit <https://eprocure.gov.in/eprocure/app>

List of Items with Specification and quantity

Sl No	Name of Instrument	Specifications	Qty.
01	Study of the energy band-gap and diffusion potential of P-N Junctions	For Experimental Determination of : (a) Reverse saturation current I and material constant η (b) Temperature coefficient of junction voltage (c) Energy band-gap VG_0 (d) Junction capacitance The experimental set-up must consists of the following (1) Study of P-N Junction setup (2) Fast temperature controlled oven with sensor (3) Set of samples	1 No
02.	Digital D.C. Microvoltmeter	General purpose laboratory instrument for voltages up to 19.99VDC. (To be used with Hall Effect, Four Probe, Thermo luminescence Transistor and Diode characteristics etc.).	1 No
03.	Hysteresis Loop Tracer	The following magnetic parameters can be measured by this set-up: (i) Coercivity, (ii) Retentivity, (iii) Saturation magnetisation, (iv) Various magnetic phase identification (v) Hysteresis loss The equipment is complete in all respect, including a set of samples (wires of Nickel, and different grades of iron etc.).	1 No
04	Study of Dielectric Constant and Curie Temperature of Ferroelectric Ceramics	For determination of Dielectric Constant of ferroelectric ceramics at increasing temperatures and evaluation of curie temperature - the transition temperature between the ferroelectric and the non-ferroelectric structures. Experimental Set-up consists of (1) Probes Arrangement (2) Sample (3) Oven (high quality temperature controlled) (4) Main Units (consisting of two units housed in the same cabinet: (i) Oven Controller (ii) Digital Capacitance Meter	1 No
05.	Resistivity of Semiconductors by Four Probe Method at Different Temperatures and Determination of the Band-gap [Four Probe Method (Advance Model)]	Experimental Set-up consists of (1) Probes Arrangement (2) Sample (3) Oven (high quality temperature controlled oven suitable for Four Probe Set-up) (4) Four Probe SET-UP [Main Units] (consisting of three units housed in the same cabinet: (i) Oven Controller (ii) Multi range Digital Voltmeter (iii) Constant Current Generator	1 No

06.	Geiger Muller Counter (G.M. Counter)	<p>Technical Specifications:-</p> <p>The apparatus Consist of following items. :-</p> <ol style="list-style-type: none"> 1. G.M.COUNTER: Complete with inbuilt power supply eht 250-1200V workable on 220V. 50Hz. STOP, START, RESET switches. Counts Capacity: 6 DIGIT COUNTING SYSTEM, Preset time: 3 DIGIT PROGRAMABLE TIMER WITH DIGITAL DISPLAY. 3 ½ Inbuilt Digital Volt Meter for GM TUBE Voltage. 2. G.M.tube: End window G.M. tube mounted in acrylic stand. With 'lead' and 'aluminium' absorbents. 3. Radioactive Source: One radioactive source beta or gamma (in lead Container and wooden box) source. 	1 No
07.	Fiber Optic Trainer	<p>To study the transmission of analog & digital signal through fiber optic cable propagation loss, bending loss & voice transmission</p> <p>Recovery of Modulating Signal from Receiver Circuit</p>	1 No
08.	Cloud compute node	16 GB RAM, 6-core CPU (shared), 320 GB SSD, 8 TB total data transfer, Bandwidth 40 Gbps/6 Gbps (In/Out)	1 No
09.	Precision Programmable Spin Coating System with Programmable Speed Range: 100-10000 RPM	For Advance-I practical in Sem-III and M.Sc. project work Sem-IV	1 No
10.	Desktop computer (for programming practical labs), 03 (three numbers)	<ol style="list-style-type: none"> 1. Processor-Multi core CPU with x86 Architecture, Intel Core i7 -12th Gen 12700 or higher. with minimum 2.0 GHz Base Frequency, 12 MB Cache or higher 2. Motherboard-Compatible OEM H or Q Series chipset-based motherboard with OEM logo embossed <p>Note: The systems report generated through system utilities such as Microsoft perfmon/msinfo32, Speccy, Belarac etc. should clearly mention the name of the OEM brand motherboard make and model and shall exactly match with the OEM name printed on the Motherboard. Generic brand motherboards will not be acceptable</p> <ol style="list-style-type: none"> 3. Chassis: Small Form Factor (SFF) (Less than 10 Ltrs) Chasis 4. Memory-Minimum 32 GB DDR4- and should operate at 3200 MHz, Expandable upto 64 GB or more 5. Storage-512GB NVMe SSD Drive or higher 6. Monitor-21.5" or Higher Wide IPS LED Monitor, Energy Star & TCO 8 Certified (Same OEM Make) 7. Ethernet-Integrated Gigabit 10/100/1000 8. Mouse-2 Button USB optical Scroll mouse (Same OEM make/Brand as Desktop) 	3 No

		<p>9. Keyboard-104 keys USB Keyboard with ₹ symbol (Same OEM make/Brand as Desktop)</p> <p>10. Expansion slots-3 PCI Express Slots (Min. PCIe x1 slot: 2)</p> <p>11. Security: Chassis Intrusion Switch or Sensor and Hardware TPM 2.0 or higher</p> <p>12. Microphone Port = Yes</p> <p>13. Wi-fi= yes</p> <p>14. OS & Office : Original Windows 11 and original MS Office for lifetime.</p> <p>15. Warranty: 3 years</p> <p>16. OEM of offered hardware should have Energy Star 8.0, FCC, CE,UL, EPEAT India (GOLD), MIL STD 810H, Windows 11 Certifications and ROHS for the quoted desktop model (not for the series). OEM should have valid ISO 9000, ISO 14001, ISO50001, ISO 20001 & ISO 27001</p> <p>17. OEM should be IDC Top 3 Desktop manufacturer from last quarters</p> <p>18. Bill of materials with part code on OEM letterhead to be part of bid submission signed by a person having Power of Attorney/Board Resolution in OEM</p> <p>19. Technical compliance of the offered product to be submitted on OEM letter head and signed a person having power of attorney/board resolution in OEM which also should be submitted in the bid.</p> <p>Public URL of the quoted product (not the OEM website) to be part of bid submission. Declaration from OEM on their letterhead for non-tampering of the public URL post tender publication date and time to be part of bid submission</p>	
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2. The tenderers fulfilling the required criteria as mentioned may download the tender document from the website <https://eprocure.gov.in/eprocure/app> and submit online as per the schedule given below. However, the tender documents can also be viewed in the website of the University www.tripurauniv.ac.in.

Date and time of tender publication in the websites.	11-02-2025 at 1.00 PM
Date and time for closing of submission.	19-02-2025 at 11.00 AM
Date and time for opening of technical bid document.	20-02-2025 at 11.30 AM
Date and time for opening of financial bid.	23-02-2025 at 10.30 AM

SECTION- II

General Terms & Condition

General Terms & Condition

1. **Scope of Work:** Scope of work covered under this includes supply, transportation and installation at the Department of Physics, Tripura University Suryamaninagar;
2. **Qualifying requirements:** The bidder must either be a manufacturer or authorised dealer having credential of supplying and installation of above-mentioned items. A bidder may participate in all listed or limited items. For limited items, the financial bid document should be filled up for the items for which the bidder is submitting the bid. The processing and tender fee shall be the same for full or limited item bid.

3. Processing Fee

An online tender fee of ₹1,000/- (Rupees One Thousand only), non-refundable, shall be paid through **RTGS/NEFT**. A scanned copy of the payment proof must be uploaded along with the tender documents. The **bank details** are as under. In case online transfer fails, a demand draft should be submitted in hard copy with the soft copy uploaded as a proof of tender fee.

Name of the Account : Tripura University Online Deposit Account.

Type of Account : Savings Bank Account

Account Number : 44836399405

IFSC : SBIN0010495

4. Earnest Money Deposit (EMD)

A demand draft for Rs.20,000.00 (Rupees Twenty Thousand Only) refundable, shall be paid through **RTGS/NEFT**. A scanned copy of the payment proof must be uploaded along with the tender documents. The **bank details** are as under. In case online transfer fails, a demand draft should be submitted in hard copy with the soft copy uploaded as a proof of tender fee.

Name of the Account : Tripura University Online Deposit Account.

Type of Account : Savings Bank Account

Account Number : 44836399405

IFSC : SBIN0010495

However, valid MSME firms are not required to submit the EMD and Tender Fee. Kindly upload the MSME and Udyam documents.

5. **Warranty:** Instrument must have minimum 01-year standard warranty.
6. **Forfeiture of EMD:** The Earnest Money is liable to be forfeited in the event of (a) withdrawal of offer during the validity period of the offer, (b) non-acceptance of orders when placed, or (c) Non confirmation of acceptance of orders within the stipulated time after placement of offer, (d) Any unilateral revision made by the bidder during the validity period of the offer.

- 7. Rate:** The bidder should quote the rate in Indian Currency i.e. INR and such rates are FOR destination basis i.e. at the site of Tripura University, Suryamaninagar-799022. Bidders are required to quote their rate exclusive of taxes, Government Taxes will be paid as per prevailing Government rules at the time of payment.
- 8. Time for Completion:** Delivery and installation of the items must be completed within 15 (Fifteen) days from the date of issue of purchase order.
- 9. Payment Terms:** 95% Payment will be made after satisfactory completion of delivery, 5 % of invoice value will be retained as performance guarantee, and the same will be released after 01 (One) year from the date of delivery and installation.
- 10.** The contract shall be governed by the Laws and Procedures established by the Government of India and subject to exclusive jurisdiction of competent Court and Forum in Agartala only.
- 11.** Payment will be made strictly through RTGS/NEFT/Bank Transfer.
- 12. Note:** Tripura University reserves the right to reject any/all the quotations without assigning any reason thereof for the interest of the University and lowest rate may not be the only criteria for selection of the bid.

SECTION - III

INSTRUCTIONS TO BIDDERS

Tripura University (A Central University), Suryamaninagar, Agartala, Tripura invites E-tenders for: **“Subject: - Supply and Installation of Equipment’s for the Department of Physics”** as per details given in the tender document uploaded on <https://eprocure.gov.in/eprocure/app>.

The offers, in the prescribed format, shall be submitted online at <https://eprocure.gov.in/eprocure/app> as per the tender document. No tender will be accepted in hard copy, fax, e-mail or any other such means. The intending bidders must be registered with e-tender website <https://eprocure.gov.in/eprocure/app>.

The tender document is also available on Tripura University (A Central University) website: <https://www.tripurauniv.ac.in/> for reference and viewing only but not for submission. **However, for the purpose of submission, the website <https://eprocure.gov.in/eprocure/app> should be referred to NIT (notice inviting tender).**

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the e-tender Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the e-tender Portal, prepare their bids in accordance with the requirements and submitting their bids online on the e-tender Portal.

More information useful for submitting online bids on the e-tender Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

Bidders are required to enroll on the e-Procurement Portal (<https://eprocure.gov.in/eprocure/app>).

1. with clicking on the link **“Online bidder Registration”** on the e-tender Portal by paying the requisite **Registration fee through online banking**.
2. As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidder.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate **(Only Class III Certificates with signing + encryption key usage)** issued by any Certifying Authority recognized by CCA India (e.g.Sify/ TCS/ nCode/ eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC/ e-token.
7. The scanned copies of all original documents should be uploaded on portal.

Annexure I

All the documents mentioned should be submitted/uploaded in the Central Procurement Portal
Technical Bid

Sl No	Particulars	
1	Name of the Bidder / Firm / Agency / Vendor	
2	Address of the Bidder/Fire/Agency/ Vendor	
3	PAN and GST Registration along with upto date GST clearance challan in his/her own name issued by the competent authority (Copies to be submitted)	
4	Experience certificate/Work order supporting execution of similar works put to tender (Copies to be submitted)	
5.	EMD (Refundable) Amount Transaction No..... Dt. Name of the drawing Bank	
6.	Cost of Tender Document (Non Refundable) Amount Transaction No..... Dt. Name of the drawing Bank	

Declaration by the Bidder/ Firm/Agency/Vendor

I/we am/are submitting my/our best our in response to your NIT vide No Dated..... For further course of evaluation. I/We have gone through the terms and conditions as mentioned and understood properly without any short of ambiguity. Therefore, all the informations given by me/us are true to the best of my/our knowledge and belief. I/We bind myself/ourselves for compliance of all the terms and conditions as mentioned if the work is offered.

Signature of the Bidder/ Firm/ Agency/ Vendor with seal

Signature Not Verified

Digitally signed by NIRMALYA DEBNATH
Date: 2026.02.11 12:27:30 IST
Location: eProcure-EPROC