



University of Calcutta

ITEM WISE ITEM RATE E-TENDER

**REGISTRAR DEPARTMENT
DARBHANGA BUILDING**

87/1 College Street
Kolkata - 700073

University of Calcutta

Notice Inviting e-Tender

(Bidding through e-tendering mode only)

E-Tender No. : R/472/25

Dated: 30.12.2025

The University of Calcutta invites Item wise item rate e-tenders for supply of following ITEMS for the **RUSA Project** from experienced & bonafide firms/ organizations having credential of similar nature of work in any Government/ Semi-Govt./State Aided University/Autonomous Govt. aided Institution.

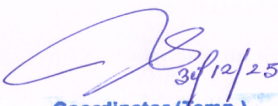
Name of Work: Item wise item rate tender for supplying and commissioning of following items under RUSA project in College Street Campus, University of Calcutta.

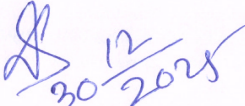
- 1) **Earnest Money (EMD):** Rs 42500/- only. **(To be deposited Online).**
 - 2) No interest will be paid on the EMD (if any).
 - 3) **Completion time of the work:** 21 days from the date of issuing work order.
 - 4) **Bid Validity Period:** 180 days.
 - 5) **Name of the Concerned Department:** Office of the Registrar Department, University of Calcutta.
 - 6) **Eligibility criteria for participation in the tender (up to date as on date):**
 - The intending bidder must attach the photo-copies of all the relevant documents such as **Valid Trade License in similar nature of work** , ISO Certificate, P.Tax, GST & Pan and credential for satisfactory completion of **similar nature of job amounting to 75% of the quoted value** in a single tender in the last three (03) financial years in Government, or Government Undertaking or any State Aided University. **Only completion certificate of the work will be considered as Credential of works.** Original documents(**up to date as on date**) may be asked for verification of technical checking on the date of tender opening. Failing to produce original documents, the tender will be rejected.
- N.B: – Completion certificate should contain a) Name of work, b) Name and address of Client, c) Amount put to tender, d) Date of commencement of work e) Date of completion of work.**
- 7) **BOQ for the respective work should be uploaded along with valid trade license, P.Tax, PAN, GST & completion certificate for last 03 financial years (up to date as on date).**
 - 8) Consortium is not allowed and No Partial Quote will be accepted.
 - 9) **Time Extension:** Time is the essence of the contract, generally no time of extension will be allowed. But, in case of Force Majeure, the extension of time may be considered on the basis of actual situation and subject to consideration of the Tender Inviting Authority.

- 10) **Liquidated damage:** Liquidated damage will be charged to the contractor, if they fail to complete the work within the stipulated time as per contract@0.01% per day to a maximum limit of 10 % of the contract value.
- 11) **Defect& Liability Period:** The defect & liability period will be for a period of manufacturer guarantee from the date of completion of the job. Any defects pointed out during said period has to be mending good damages by the agency at their own cost failing which the retention money will be forfeited.
- 12) **No extra payment will be paid beyond the tendered amount.**
- 13) The Tender Inviting Authority reserves the right to accept or reject any tender without assigning any reasons.
- 14) **Delivery & Insurance Cost:** Delivery will be in our different campuses which will be mentioned in our Purchase Order within the stipulated time. Individual delivery must entail delivery of items at different campuses of the University of Calcutta. Delivery and insurance shall be obtained by the bidder at their own cost to the final destination of installation.
- 15) **The intending bidder must quote all item/s rate on the BOQ, failing which his/her tender, will be cancelled. The Bidder should inspect the site for the mentioned work before bidding of the tender.**

16) B.O.Q

SL.NO	ITEMS	Unit
1.	Rotary Vacuum Evaporator with Vacuum Pump & Recirculating Chiller (Make: LAB SOLUTION or Equivalent (Specification as per NIT)	1 No
2.	ALICAT MC-Series MFC (0 to 100 SCCM) with valve and connector (Specification as per NIT)	1 No
3.	LCR Meter (Specification as per NIT)	1 No
4.	Current Probe (Specification as per NIT)	2 Nos
5.	Current Probe(A622 Model), AC/DC, BNC Plug, Current Clamp, 100A, 50MA	1 No
6.	LCR Meter (Meteravi 451 Digital LCR Multimeter 0-750V AC) (Specification as per NIT)	2 nos.
7.	UV- visible spectrophotometer (Specification as per NIT)	1 no
8.	Tower Workstation (Specification as per NIT)	1 No


 30/12/25
 Coordinator (Temp.)
 RUSA 2.0
 University of Calcutta


 30/12/2025
 REGISTRAR
 UNIVERSITY OF CALCUTTA

Technical Specification:

1. Rotary Vacuum Evaporator with Vacuum Pump & Recirculating Chiller (Make: LAB SOLUTION or Equivalent).

Component/Feature	Specification Details
Model/Make	LAB SOLUTION, LSI-RE-004 (Combined Unit) or Equivalent
Motor Assembly	DC Geared Motor Assembly
Condenser	Double Coil with S-35 Ball Joint
Flasks	Receiving Flask 1 Ltr. with S-35 Cup Joint, Boiling Flask with 24/29 Socket (Capacity as per model)
Rotation Speed	20-280 RPM (Digital RPM Controller)
Water Bath	Digitally Temperature controlled stainless steel, Jack arrangement for positioning glass assembly
Evaporator Temperature	Ambient to 180°C (Accuracy $\pm 1^\circ\text{C}$)
Chiller/Cooling	Working temperature range: Ambient $+5^\circ\text{C}$ to -10°C , Temperature stability: $\pm 0.1^\circ\text{C}$, Independent Cooling Cycle.

ROTARY VACUUM EVAPORATOR WITH VACUUM PUMP

- DC Geared Motor Assembly.
- Condenser Double Coil with S-35 Ball Joint.
- Receiving Flask 1 Ltr. with S-35 Cup Joint.
- Boiling Flask with 24/29 Socket (Capacity as per model).
- Feeding tube for condenser.
- Vapor path tube.
- Digital RPM Controller for boiling flask rotation.
- Digitally Temperature controlled stainless steel water bath
- Jack arrangement for positioning glass assembly.
- Rotation Speed : 20-280 RPM
- Display: Digital for temp. and RPM meter
- Temperature : Ambient to 180°C (Acc. $\pm 2^\circ\text{C}$)
- Bath & Heater Capacity : 4 Liters (1000 Watt)
- Boiling Flask Capacity : 1 L
- Drive System : DC Motor
- Power : 220 V $\pm 10\%$ 50 Hz
- Dimensions : 815 x 408 x 890mm
- Weight : 19.525 KG
- Suitable oil free Vacuum pump for Evaporation

RECIRCULATING CHILLER SPECIFICATION

- Capacity : 15 litter
- Digital Temperature controller
- Working temperature range : Ambient +5°C to -10°C
- Temperature stability : $\pm 0.1^{\circ}\text{C}$
- Cooling Temperature & Pressure Always Constant
- Smart LED Display
- Easy Operation
- Right Solution For All Requirement
- Cool Logic
- Avoids Leakages
- Independent Cooling Cycle

2. Technical specification of the item for this Tender:

- Item Name: ALICAT MC-Series MFC (0 to 100 SCCM) with valve and connector or Equivalent.**
- Detailed specifications:**
 - Gas flow control range: 0 – 100 sccm (standard cubic centimeters per minute).
 - Accuracy of flow control: $\pm 0.5\%$ of reading or lower.
 - Response time: less than 10 millisecond.
 - Operational temperature: $0^{\circ}\text{C} - 60^{\circ}\text{C}$.
 - Maximum working pressure: 75 psi (differential) or higher.
 - Operational temperature range: $0^{\circ}\text{C} - 40^{\circ}\text{C}$ or better.
 - MFC operating voltage: DC 12 – 24 V.
 - Serial compatible interface for computer connection.

3. Technical Specification of the item(s) for this Tender (LCR Meter)

Key Specifications of the Microtest Make(Model No: 6363) or Equivalent	
Frequency Range:	10 Hz to 20 kHz, continuously adjustable.
Basic Accuracy:	$\pm 0.05\%$.
Output Impedance:	Fixed at 100Ω .
Display:	A 7-inch TFT color screen that allows for the simultaneous display of four parameters (e.g., Ls/Q/θ/Rs).

Interfaces:	It includes multiple communication interfaces, such as RS-232, Handler, LAN, USB Host, and GPIB (optional), for data storage and PC connectivity for sweep analysis.
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4. Technical Specification of the item(s) for this Tender (Current Probe)

Key Specifications of the Siglent make Model No: CP4020 or Equivalent	
Bandwidth:	100 KHz
Maximum Continuous Current:	20 Arms
Peak Current:	60 A
Switching Ratio:	50 mV/A, 2 mV/A
DC Measurement Accuracy:	+/- 2% (50 mV/A) (0.4 – 10 Apk) ; +/- 2% (5 mV/A) (1A – 60 Apk)
Power:	9 V battery

5. Technical Specification of the item(s) for this Tender

Sl.No	Items with specification	Quantity
i.	Current Probe (A622 model), AC/DC, BNC Plug, Current Clamp, 100 A, 50 mA	1

- Special terms and conditions, if any**

The items are to be installed and commissioned up to the running condition.

6. Technical Specification of the item(s) for this Tender

Sl.No	Items with specification	Quantity
i.	LCR meter (Metravi 451 Digital LCR Multimeter 0 -750V AC)	2

- Special terms and conditions, if any**

The items are to be installed and commissioned up to the running condition.

7. Technical Specification of the item for the Tender

Name of the item:- UV Vis double beam Spectrophotometer

Wavelength range: 190-1100 nm

Resolution/band width: 1 nm

Optical System Double beam

Stray Light Low levels (0.05% max)for accuracy with concentrated samples

Photometric Range -4A to 4A

Scan Speed >29000 nm/min

Modes Photometric, Spectrum, Quantitation, Kinetics, Time Scan, Bio-method

Data Handling USB ports for data transfer, PC (desktop/laptop) control
Standalone operation with touch screen.

Performance Checks Auto-validation for wavelength accuracy, noise, baseline

- 1. Special terms and conditions, if any:** i) The Bids shall be submitted by only the original equipment manufacturer(OEM) or authorised sales and service provider of OEM, in case OEM is not participating. Declaration from the OEM for the tender is to be submitted.

ii) The tenderer must take the responsibility of delivering and installation of the product during the order process and at time specified during the order process

iii) The manufacturer should be ISO 9001:2008 certified and/or under MSME category

iv) The bidder should have delivered at least two similar instruments at reputed research institutes /Universities

v) The said item will be procured as per the rules and regulation of University of Calcutta

8. Technical Specification of the item(s) for this Tender

(a) Item Name: Tower Workstation

(c) Detailed Specification:

Intel® Core™ i7-14700 (up to 5.4 GHz with Intel® Turbo Boost Technology, 33 MB L3 cache, 20 cores, 28 threads).

Intel® W680 Chipset.

32 GB DDR5-4800 MT/s non-ECC (2 x 16 GB).

1 TB PCIe® Gen4 NVMe™ M.2 SSD.

Network Integrated Intel® I219LM GbE LOM.

1 PCIe 3 x4 (x16 connector); 1 PCIe 3 x4 (x4 connector); 1 PCIe 3 x1 (x4 connector); 1 PCIe 5 x16 (x16 connector); 1 M.2 2230 PCIe 3 X1 for WLAN.

Front 4 Super Speed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack

Rear 1 audio-in; 1 audio-out; 1 RJ-45; 2 Display Port™ 1.4; 2 Super Speed USB Type-A 10Gbps signaling rate; 1 Super Speed USB Type-A 5Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate.

NVIDIA RTX A1000 8GB 4mDP Graphics Card.

19.5" LED Monitor (VGA & HDMI)

USB Keyboard and Mouse.

Operating Systems: Windows 11Pro 64Bit.

Warranty: 03 Yrs. on site.

INSTRUCTIONS TO BIDDERS

Earnest Money (EMD):- Intending bidders are requested to deposit Rs. 42500/- online through his net banking enabled bank account, maintained at any bank or: offline – through any bank generating NEFT/RTGS challan from the e-tendering portal. Intending bidder will get the beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the EMD from their respective Bank as per the Beneficiary Name & Account No., Amount, Beneficiary Bank name (ICICI Bank) & IFSC Code and e-Proc Ref No. Intending bidder who wants to transfer EMD through NEFT/RTGS must read the instruction of the Challan generated from E-Procurement site.

For getting exemption of EMD: - Bidders are requested to upload the relevant NSIC / MSME Registered Certificate against each item work for getting exemption of EMD, failing which their Tender will be rejected. For that they need to select the EMD page as Yes and provide the exemption type as fixed and put the actual EMD amount in Rupees and upload the exemption document.

(Bidders are also advised to submit EMD of their bid, at least 3 working days before the bid submission closing date as it requires considerable time for processing of Payment of EMD.)

N.B.: During evaluation of the tender, the bidder may be requested to produce original hard copy of any of the documents for verification, failing which his/her tender will be liable to rejection.

Important Dates:

Sl. No.	Items	Publishing Date (s)
1	Date of uploading of N.I.T. & Tender documents (online) from this end	30.12.2025, 06:00 P.M
2	Documents downloading, Starting date (online)	30.12.2025, 06:00 P.M
3	Bid submission, starting date (online)	30.12.2025, 06:00 P.M
4	Bid submission, closing date (online)	17.01.2026, 01:00 P.M
5	Bid opening date for Technical Proposal (online)	19.01.2026, 01:00 P.M
6	Date of uploading of the list of Technically qualified Bidder (online)	To be communicated later
7	Date and Place for opening of Financial Proposal (online)	To be communicated later
8	Date of uploading of the list of bidders along with the approved rate	To be communicated later

Instructions / guidelines for electronic submission of tenders have been annexed for assisting the contractors to participate in e- tendering.

- I. Registration of Bidder:** - Any bidder willing to take part in the process of e –tendering will have to be enrolled & registered with the Government e – Procurement system through logging on to <https://wbtenders.gov.in>. The bidder is to click on the link for e – Tendering site as given on the web portal.
- II. Digital Signature Certificate (DSC):** - Each bidder is required to obtain a class - II or class – III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider.
- III. Collection of Tender documents:** - The bidder can search & download NIT & Tender documents electronically from computer once he/she logs on to the website mentioned in Clause 1 using the Digital Signature Certificate. This is the only mode of collection of Tender documents.
- IV. Cost of Earnest Money (EMD)**

Earnest Money (EMD) Quoted INR
Rs. 42500/- (To be deposited Online)

V. Submission of Tenders:-

- a. General process of submission:** - Tenders are to be submitted through online to the website <https://wbtenders.gov.in> in two folders at a time for each work, one is Technical bid and other is Financial Bid, before the prescribed date and time using the Digital Signature Certificates.
- b. Technical Bid:-** Technical Bid contains scanned copies of the followings further in two covers (folder)
- c. Online bid submission (Bidder/Contractor) process in** <https://wbtenders.gov.in> **portal, download the pdf file.**
<https://wbtenders.gov.in/>

VI. Statutory Cover Containing

- i. For NIT and Corrigendum if any (Download the NIT and upload the same by through digital signature).

VII. NON-STATUTORY DOCUMENTS containing the following documents (Up to date as on date):

Sl.No.	Category	Sub Category	Sub-Category Description
A.	Certificates	Certificates	1. PAN Card
			2. Professional Tax Registration Certificate
			3. GST Registration Certificate
			4. Valid Trade License in similar nature of job.
			5. NSIC / MSME Registered Certificate for getting Exemption of EMD.
			6. For non-registered organizations under NSIC/MSME, EMD documents are to be enclosed.
			7. ISO Certificate.
B.	Credential	Credential for satisfactory completion of similar nature of job amounting to 75% of the quoted value in a single tender in the last three (03) financial years in Government, or Government	

		Undertaking or any State Aided University. Only completion certificate of the work will be considered as Credential of works.
C.	Financial Information	P/L AND BALANCE SHEET FOR LAST 03 (three) FINANCIAL YEAR.

Rejection of Bid:

Tender Committee reserves the right to accept or reject any Bid and to cancel the Bidding processes & reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Tender Committee's action.

Note: Failure of submission of any of the above mentioned documents, the tender will be rejected.

VIII. Financial Bid:- BOQ in INR (in excel sheet)

- i) The financial bid should contain the following documents in one cover (folder) i.e. Bill of Quantities (BOQ). The Bidder has to quote the rate through online in the space marked for quoting rate in the BOQ.
- ii) Only downloaded copies of the above documents are to be uploaded, virus scanned & digitally signed by the contractor.

IX. Opening & Evaluation of Tender:-

Opening of Technical Bid:

- i) Technical bid will be opened by the Central Tender Committee. Intending bidders may remain present if they so desire. Statutory Cover (folder) would be opened first & if found in order and correct Non Statutory Cover (folder) will be opened. If there be any deficiency in the Statutory & Non statutory documents the tender will summarily be rejected.
- ii) Decrypted (transformed in to readable formats) documents of the non statutory cover will be downloaded & handed over to the evaluation committee.
- iii) List of technically qualified bidders would be uploaded.

NB: While evaluation, the Tender committee may invite the bidders & seek clarification/ information or additional documents or original hard copy of any of the documents already submitted. For any anomaly or deviation in this regard, his/her tender will be rejected.

X. Opening and evaluation of Financial Bid:

Financial bid of bidders declared technically eligible by the Committee will be opened electronically from the web portal on the prescribed date and time.

XI. Penalty for suppression / distortion of facts:

Submission of false document by bidder is strictly prohibited and will be liable for rejection of the tender and blacklisted.

**Sd/-
Registrar
University of Calcutta**

GENERAL TERMS AND CONDITIONS OF THE CONTRACT

1. Refund of Earnest Money Deposit (EMD): Earnest Money Deposit (EMD) furnished by all unsuccessful bidders should be returned to them without any interest whatsoever, at the earliest after the expiry of the final bid validity period but not later than forty five days after the award of the contract.

Earnest Money Deposit (EMD) of the successful tenderer should be returned, without any interest whatsoever, after receipt of performance security deposit from him as stipulated in the contract.

2. Forfeiture of Earnest Money Deposit (EMD): Earnest Money Deposit (EMD) of a tenderer shall be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of his tender. Further, if the successful tenderer fails to furnish the required performance security within the specified period, his Earnest Money Deposit (EMD) shall be forfeited.

3. Security Deposit : The University authority will retain a sum amounting to 10% of the bill of the contract for a period of six months from the date of completion of work as **Security Deposit**. This will be released after a period of six months from the date of completion of the work on application.

4. Refund of Performance Security: Performance Security will be refunded to the contractor without any interest, whatsoever, after he/she duly performs and completes the contract in all respects but not later than sixty days of completion of all such obligations under the contract.

5. Forfeiture of Performance Security deposit : Performance security will be forfeited and credited to University of Calcutta in the event of a breach of contract by the tenderers, in terms of the relevant contract.

6. Verification of the Bank Guarantees: Bank Guarantees submitted by the tenderers as Earnest Money Deposit (EMD)/Performance Security need to be immediately verified from the issuing bank before its acceptance, through written communication.

7. The materials brought to site for execution of the work should by no means be taken out of site without the permission of the Deputy Registrar (Acting), C.U.

8. The University will not be bound to accept the lowest bidder.

9. The contractor will have to take necessary instruction from the **Dr. Soma Barman (Mandal), Institute of Radio Physics & Electronics, University of Calcutta** regarding the execution of work.

10. After issuing the work order to the successful tenderer, if he/she fails to commence the work or unable to complete the work, then the EMD and Performance security amount of the said tenderer will be forfeited and no claim will be entertained.

11. Termination Clause:

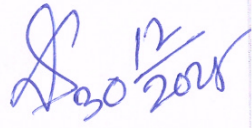
- i. Failing to supply and commissioning of the items as per work order within the stipulated time, the contract will be rejected except application of Force majeure Clause and EMD will be forfeited.
- ii. If any deviation of quality and specification from the stipulated specification as per B.O.Q observed, the purchase order will be cancelled and EMD will be forfeited.

12. Force majeure Clause: If the work(s) be delayed for the following reasons:-

Due to war, internal emergency and other conditions such as abnormally bad weather, flood, cyclone natural calamity or serious loss or damage by fire or civil commotion, the contractor shall immediately give notice thereof in writing to the Central Tender Committee but shall nevertheless use constantly his/her best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Central Tender Committee to proceed with the works.

13. Mode of payment: -

After completion of the work as per work order or any subsequent work order against the original work order the triplicates bills (RA/Final bill) duly checked and verified by the concern department with the completion certificate by the concern department and should be submitted to the office of the undersigned within 10 days after completion of the work.


Registrar
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30/12/25
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