



University of Calcutta

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. : DR/316

Dated: 13.11.2025

The University of Calcutta invites e-tenders for supply of following ITEMS for the **Cytomorph System Design to Model Biological Network both in FPGA and ASIC Domain, Institute of Radio Physics & Electronics, University of Calcutta** 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: Supplying, installation and commissioning of workstation and laptop Institute of Radio Physics & Electronics, University of Calcutta.

- 1) **Earnest Money (EMD):** Rs 5000/- 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**, 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.

- The bidder must have a registered office at Kolkata or surrounding districts in West Bengal. A copy of the address proof is to be submitted.
- The vendor must submit the certificate for the authenticity of the items from the OEM.
- The bidder should either be an OEM or authorized dealer of the OEM. The authorized dealer of OEM should have dealership for the last 03 (Three) financial years.

- 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) **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.**

Technical Specification:

Workstation: Qty: 1

Item s	Specification Name	Bid Requirement(Allowed Values)
Processor	ProcessorMake	Intel
	ProcessorGeneration	14orhigher
	Numberof Cores perProcessor	20or more
	ProcessorDescription	14th Generation, Intel Core i7-14700 2.10GHz to 5.40GHz Turbo frequency 33MB 20 cores 65W CPU
	Cache(MB)	33
Motherboard	ChipsetSeries	Intel Q Series chipset. Motherboard makefromthesamedesktopOEM(OEMlogom ustbeembossedinthemotherboard)
	Chipset Number	Q670 or better
	Security	DiscreteTPM2.0
	ExpansionSlots(PCIex16)(Number)	1

	ExpansionSlots(PCle x16 wired as x4)(Number)	1
	ExpansionSlots(PCle x1)(Number)	2
	Expansion Slots(# of M.2)	3
Graphics	GraphicsType	Dedicated
	Graphics Card	NVIDIA RTX A400 4 GB Graphics Card or higher
Certification	ROHSCompliance	Yes
	BEE/EnergyStarforthe given Model	Yes
	FCC,UL,CE (for the quoted Desktop model not for the quoted Desktop series)	Yes(all)
	ISO(OEM)	ISO9001,14001,20000-1, 27001
	EPRAuthorization(OEM)	Yes
	EPEATGoldIndia Registered (for the quoted desktop model)	Yes
	TCOCertificationfor quoted Monitor and Desktop	9.0 or latest
Operating System	OperatingSystem (Factory Pre-Loaded)	Free DOS
	OS Certification	Windows. Self-certification from OEM can also be given for Linux. Ubuntu Linux Certified. (Certified must be available in Public Domain)
Memory	RAMSize(GB)	32 GB DDR5 4800 MT/s or more
	RAMExpandability	Minimum 128GB DDR5 4800 MT/s or more
Power	Power SupplyCapacity(Watt)	Min 550W active PFC with 80 PLUS Platinum
	MinimumPowerEfficiencyRange(%)	89-92
Storage	Type of Drives used to populate the Internal Bays	HDD,SSD (NVMe)
	Number of 3.5 inch Internal Bays	2
	TotalSATACapacity(GB)	1000
	TotalSSDCapacity(GB)	1024
Connectivity	Wireless Connectivity	Yes

	If Yes, Type of Wireless Connectivity	Intel AX211 Wi-Fi 6E vPro 160 MHz + Bluetooth 5.3 WLAN
	Number of Ethernet Ports	1
	Type of Ethernet Ports	10/100/1000 onboard Integrated Gigabit Port

Ports	Numberof USBVersion 2.0Ports	3
	NumberofUSBVersion3.2Gen1 Ports	3
	NumberofUSBVersion3.2Gen2 Ports	4
	Number of USB Type-C Ports	1
	NumberofHDMIPorts	1
	NumberofDisplayPorts	2
Cabinet	CabinetFormFactor	Tower
	Volume	Not more than 17 Litres
Monitor (SameDeskto p OEMMake)	MonitorTechnology	IPS
	LEDBacklitMonitorSize (INCHES)	23.8 inch Inbuilt Integrated Speaker with Monitor or higher
	MonitorResolution(PIXELS)	1920x1080Orhigher
	Number of VGA Ports in theMonitor	1
	NumberofHDMIPorts intheMonitor	1
	Number of Display Ports in the Monitor	1
InputDevices	Typeofconnectorcablewit hMonitor	HDMI / DP
	MouseConnectivity	USBopticalscrollmouse (samedesktopOEMmake)
	KeyboardConnectivity	USBKeyboard(SameDesktopOEMmake)
Warranty	OnSite OEMWarranty(Year)	3(OEMsuppliedDesktopmodelwarrantymustb e visible in the OEM website in respect to eachproductserial number)

Additional Technical Specification Parameter:

Specification Parameter Names	Bid Requirement (Allowed Values)
FCC,UL,CE for the given Model.	Yes
The quoted model should have HARDWARE TPM version 2.0 or better	Yes

Security	Integrated keyboard/mouse wire hoop; Padlock loop; Standard cable lock slot; TPM 2.0 endpoint security controller (Infineon SLB9672/Nuvoton NPCT760HABYX). Common Criteria EAL4+ Certified. FIPS 140-2 Level 2 Certified; SATA port disablement (via BIOS); USB enable / disable (via BIOS); Power-on password (via BIOS); Setup password (via BIOS);
Chipset Name	Only Q670 or higher is accepted
Type of RAM	DDR5
RAM Speed (MHz)	4800
Number of DIMM Slots	4
Number of DIMM Slots Free	Minimum 3
Out Band Management	Intel Vpro (should support Windows 10 Pro or higher OS only)
For Future Storage Upgradation Purpose	System should support up to 2 TB M.2 PCIeNVMe SSD & 2 TB 7200 RPM 3.5 inch HDD
Internal Speaker	Yes
Dedicated Audio Line in/Line Out port	Yes
Headphone Out/Microphone in	Yes or through Audio Combo Jack
USB Ports	Front: Min 4 USB 3.2 Gen 2 Type-A Ports (1 with charge support up to 5V/1.5A); Min 1 USB 3.2 Gen 2x2 Type-C Port(charge support up to 5V/3A); Rear: Min 3 USB 2.0 Type-A; Min 3 USB 3.2 Gen 1 Type-A
Communication	Intel Integrated 1 Gigabit Network Connection LOM(RJ-45 Port)
Power Supply Capacity(Watt)	Minimum 550 or better

Power Efficiency Range (%)	Up to 92% efficiency
Cabinet Form Factor	Tower
Volume and Weight	Not more than 17 Litres
Expansion Slots (PCIe Gen4 x16) (Number)	1
Expansion Slots (PCIe Gen3 x16(wired as x4)) (Number)	1
Expansion Slots (PCIe Gen3 x1) (Number)	2
ISO (OEM)	ISO 9001,14001,20000-1, 27001

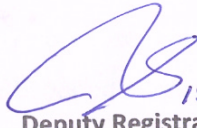
Laptop:- Quantity (01)

SNo	Item	Specifications
1	Form Factor	Clamshell
2	Chassis	With metallic hinges
3	Chipset	Integrated in Processor
4	Processor	Intel Core i5-1335U Processor or higher
5	Memory	16 GB (1X16GB) DDR4-3200 MT/s RAM or higher
6	Storage	512 GB NVMe PCIe Solid State Drive
7	Graphics	Integrated Graphics
8	Audio	Integrated audio controller with 2 Integrated stereo speakers
9	Operating System	DOS
10	Networking	Realtek Wi-Fi 6 And Bluetooth ☐ Wireless Card
11	Ports	Video: 1 HDMI 1.4, Audio: 1 Headphone/microphone combo jack
		Minimum Two USB-A 3.2 Gen 1 ports or higher, Minimum One USB-C 3.2 Gen 1 port or higher
12	Slots	2 M.2 for WLAN & Storage
13	Accessories	Backpack
14	Keyboard	Full size textured island type keyboard
	Touchpad	Touchpad with gestures support
15	Battery	Battery Life upto 9 Hours , Battery capacity 3 cell 41 WHr Li-ion and Supports fast charging (50% in 45 minutes) with no impact on battery recharge cycle
16	Weight	up to 1.40 Kg
17	Security	TPM 2.0
		Integrated utility to enables hardware level testing outside the operating system & Drivers should be available on OEM Website for download
19	Certifications	Microsoft Windows 10
		FCC,CE, RoHS, UL, EPEAT India Gold, Energy Star, MIL-STD 810H,
		ISO 9001,14001,20000-1,27001 for OEM
21	Display	14" , FHD Display Support upto 250 nits, STB ratio should be 84% and above and 720p HD camera with temporal noise reduction
22	Warranty	3 Years onsite warranty

Additional Specification Parameters:

1. Technical compliance should be on OEM letter head.
2. Warranty undertaking should be on OEM letter head.

3. The quoted Desktop model should have Microsoft Windows 11 certification and EPEAT Gold certification (INDIA Registered), TCO 9.0 certification for Desktop & Monitor.
4. OEM of Desktop should be ISO 9001, ISO 14001, ISO 20000-1, ISO 27001
5. System should be Linux(Ubuntu) OS Certified. Certificate must be available in Public Domain.
6. Manufacturer Criteria (OEM): Minimum 15 Years presence in India.



13/11/25
Deputy Registrar (Acting)
University of Calcutta
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University of Calcutta

INSTRUCTIONS TO BIDDERS

Earnest Money (EMD):- Intending bidders are requested to deposit Rs. 5000/- 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	13.11.2025, 06:00 P.M
2	Documents downloading, Starting date (online)	13.11.2025, 06:00 P.M
3	Bid submission, starting date (online)	13.11.2025, 06:00 P.M
4	Bid submission, closing date (online)	08.12.2025, 01:00 P.M
5	Bid opening date for Technical Proposal (online)	10.12.2025, 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. 5000/- (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.
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 webportal 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/-
Deputy Registrar (Acting)
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.



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