OFFICE OF THE REGISTRAR :: DIBRUGARH UNIVERSITY
DIBRUGARH :: ASSAM
PIN: 786 004

BID DOCUMENT

FOR

NAME OF THE WORK: Supply, installation and commissioning of UV-Vis Spectrophotometer for Centre for Biotechnology & Bioinformatics, D.U.

TENDER No: DU/NIT-2022/File-VII/154 dated 04.11.2022

CUT-OUT SLIP

NAME OF THE WORK: **Supply, installation and commissioning of UV-Vis Spectrophotometer for Centre for Biotechnology & Bioinformatics, D.U.**

TENDER No: DU/NIT-2022/File-VII/154 dated 04.11.2022

SUBMISSION DUE DATE & TIME   : 25.11.2022 up-to 11.30 A.M.

FROM: TO:

NAME: THE REGISTRAR
ADDRESS   DIBRUGARH UNIVERSIITY
                                                   DIBRUGARH, ASSAM

(To be pasted on the outer envelope containing "Technical"& "Commercial" bids

OFFICE OF THE REGISTRAR :: DIBRUGARH UNIVERSITY :: DIBRUGARH

No. DU/ NIT-2022/File-VII/154   **Date: 04.11.2022**

Tender Notice

        Sealed Tenders are invited from reputed manufactures/authorized dealers/suppliers for **Supply, installation and commissioning of Supply, installation and commissioning of UV-Vis Spectrophotometer for the Centre for Biotechnology & Bioinformatics, Dibrugarh University..** Detailed specification of the items, terms & conditions etc are given at Part-B. Last date of submission of Tender with all relevant papers is ***……/……/2022 up-to 11:30 A.M.*** to be submitted at the Office of the Registrar, Dibrugarh University, Dibrugarh, Assam.

Availability of Bid papers	From 04.11.2022
Last date for receipt of Bid	25.11.2022 upto 11.30 A.M.
Time & Date of opening of Bid	25.11.2022 at 02:30 P.M.
Place of opening of Bid	Office of the Registrar, DU
Cost of Tender Document	1000/- Non refundable
EMD	Rs. 8,000.00

The tender should be submitted in two separate sealed envelopes *i.e.* **Part - I** TECHNICAL BID and **Part – II** FINANCIAL BID. The technical bid shall be opened on above mentioned date and time and the financial bid of only those bidders who qualify in technical bid shall be opened on the same date or at a later date which shall be intimated to the tenderer whose technical bid are found to be valid. Dibrugarh University reserves all the rights to reject any or all the tenders without assigning any reason thereof.

                                           Sd/-
                                     Registrar i/c
                                 Dibrugarh University

Copy to:
1. The Chairperson, Tender Opening Committee, D.U. for information.
2. The Deputy Registrar (F&A) i/c, D.U. for information.
3. The Programmer, D.U., with a request to upload the NIT at D.U. website.
4. Office File

                                         Sd/-
                                     Registrar i/c
                                 Dibrugarh University

PART A - TERMS AND CONDITIONS

GENERAL INFORMATION

The tender bids duly complete in all respects, along with the necessary documents should be submitted to the Registrar, Dibrugarh University, Assam. The Technical Bids so received, shall be opened on *25.11.2022 at 02:30 P.M.* in the Office of the Registrar, Dibrugarh University in the presence of the representatives of the bidders. The Financial Bids of the Tenderers shall be opened on the same date or at a later date to be intimated to the Tenderers whose Technical Bids are found to be valid. Right to reject any or all Tenders, without assigning any reason thereof is reserved by Dibrugarh University.

Terms and Conditions of Supply:

1. All the manufacturers/ authorized dealers should also give a brief profile about their company and the facilities available with them of the quoted items. Their turnover and important firms/ Government Institutes/ P.S.U.s *etc*. to which they are supplying quoted items, should also be mentioned.

2. The last date and time for the submission of the bids is **25.11.2022 up-to 11:30 A.M.**

3. Suppliers shall submit the following documents along with their quotations:

   i) VAT/TIN/GST Registration No.
   ii) Technical specifications offered by the Supplier.
   iii) The bidder must submit a detailed compliance statement clearly mentioning compliance with the specifications mentioned in the NIT document and deviation if any.
   iv) Technical literature regarding the offered products including pictures/sketch/diagrams etc.

4. The rates should be mentioned in the **FINANCIAL BID** attached with the Tender Document as **ANNEXURE-II**. Each page of the tender shall be signed in full and stamped with the seal by the supplier. The supplier must clearly state in what capacity he/she is signing the Tender.

5. The supplier shall submit the tender in 02 (two) envelopes. The first envelope (Technical Bid) shall contain all the following documents and be sealed.
   - Filled in Format Technical Specifications/Literature
   - Valid copy of Trade License,
   - PAN Card,
   - Registration certificate of GST,
   - Dealership/Manufacturing/Small Scale Industry (SSI) Certificate (if any)
   - The cost of tender of Rs. 1000/- (Rupees one thousand) only which is non-refundable, along with the Earnest Money of Rs. 8,000.00 (Rupees eight thousand) only in the form of Demand Draft/Bankers Cheque in favour of the Registrar, Dibrugarh University, Assam payable at Dibrugarh University.
   - The Firm(s) who are registered with MSME, National Small Industries Corporation (NSIC) /OR Small Scale Industries (SSI) are exempted to submit the Tender Cost/EMD. However, a copy of registration must be provided along with Technical Bid.

6. Supplier should read carefully all the instructions and terms and conditions, etc before registering rates in prescribed schedule of the tender. Taxes and duties etc. should be shown separately.

7. The Technical Documents shall be opened, at *02:30 P.M. on 25.11.2022* or on the next working day if the offices of the University remain closed due to any reason.

8. Technical specifications of the instruments/equipments are given in **Annexure** to these papers (Part B).

9. The delivery and installation should be completed within 1 month or as specified from placing of the order. No extension shall be granted to the contractors/suppliers for the period of delivery, under any circumstances.

10. If the supplier fails to deliver the article as per the delivery schedule, the University shall be free to procure the balance/undelivered supply, at the risk and cost of the supplier, from other such suppliers.

11. The goods, articles, materials supplied by the supplier shall be accepted after inspection by an officer authorized by the competent authority. No articles/materials which do not conform to the specifications laid down in the terms and conditions or damaged in transit shall be accepted.

12. The bills of the suppliers shall be paid by the University after all the materials/articles/equipments have been received and installed, inspected as above.

13. Vendor must submit Compliance statement in tabular form comparing each specification of the quoted item with that given in the Tender Document **Annexure III**.

14. The tendering firm must provide proof of documents for executing similar works earlier.

15. In the event of any breach of the terms and conditions of the supply, the University may terminate the contract placed with the supplier and forfeit the security deposit of the supplier.

16. Whether OEM or Authorized Distributor/ Dealer a letter or a valid certificate of authorization of manufacturer shall be enclosed.

17. Copy of product literature and catalogue, testing report, BEE rating, ISO etc.

18. The quantity as mentioned at Part-B (Specifications) may be increased or decreased at the time of placing Order as per requirement.

19. Tenderers are advised to study all technical and commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the Tender Document or submission of a bid not substantially responsive to the Tender document in every respect will be at the tenderer's risk and may result in the rejection of the bid.

20. This tender document is not transferable.

Note:

(a) Tenderers are advised to read carefully the Terms and Conditions of supply before recording the rates in this Schedule.

(b) No erasures or overwriting shall be allowed, unless they are authenticated under the full signature and the seal of the tenderer.

(c) The University reserves the right to:

(i)   Accept/reject any/all tenders without assigning any reason thereof.

(ii)   Revise the quantities at the time of placing the order without change in the rate quoted by the bidder.

(iii)   Add/modify/relax or waive any of the conditions stipulated in the tender document whenever deemed necessary

(iv)   Award the contract to one or more tenderers for the items covered by the tender.

ITEM No	DESCRIPTION OF GOODS WITH DETAILS OF SPECIFICATIONS	Unit Price	Taxes	Qty.	Total Amount
1					
2					
3					

Signature of the Tenderer
Seal of the Firm

Supply, installation and commissioning of UV-Vis Spectrophotometer for Centre for Biotechnology & Bioinformatics, D.U.

Hardware Specifications	
Item	Specification
Wavelength range	190 ∼ 1100 nm
Spectral bandwidth	0.5, 1, 2, 4, 5 nm
Wavelength display	At least 0.05 nm increments
Wavelength setting	At least 0.05 nm increments
Wavelength accuracy	$\pm$ 0.1 nm at D2 656.1 nm, $\pm$ 0.3 nm for entire range
Wavelength repeatability	$\pm$ 0.1 nm at least
Wavelength scanning speed	Fastest scan speed at 3000 nm/min Slew rate at 4800 nm/min
Lamp interchange wavelength	Should be able toautomaticallyinterchange linked towavelengthfreely at 0.1 nm increment
Stray light	$\leq$0.05% (220 nm NaI,360 nm NaNO2)
Photometric system	Double beam optics (Minimum)
Photometric range	Absorbance: -3 to +3.0 Abs (At least) Transmittance: 0% to 300%(At least)
Photometric accuracy	$\pm$ 0.002 Abs (0 ∼ 0.5A) $\pm$ 0.004 Abs (0.5 ∼ 1A) $\pm$ 0.3%T
Photometric repeatability	0.001 Abs (0 ∼ 0.5A) 0.002 Abs (0.5 ∼ 1A) 0.1%T
Baseline stability	$\leq$0.0004 Abs / 30mins (500nm, one hour after light source turned ON)
Baseline flatness	$\pm$ 0.001 Abs (1100 ∼ 190 nm, one hour after light source turned ON)
Noise level	0.0008 or lowerAbs (at 500 nm)
Light source	20-W halogen and/or deuterium lamp Built-in light source auto position adjustment
Monochromator	LO-RAY-LIGH grade blazed holographic grating in Czerny-Turner mounting
Detector	Silicon photodiode
Sample compartment	Internal dimensions: W110 $\times$ D230 $\times$ H105 mm Distance between light beams: 100 mm
Power requirements	AC 220V, 50Hz, >130VA
Environmental requirements	Temperature: 10°C ∼ 35°C Humidity: < 85%
PC compatibility	Software/External control possible via USB

Software Specifications	
Measurement mode	Specification
Photometric mode	1. Photometric modes: T% or Abs 2. Quantitation using K-factor method 3. Data table storage and recall functions 4. Printing via USB 5. Data files export using USB
Spectrum mode	1. Measurement modes: Abs, T%, E 2. Wavelength range: 190~1100 nm (minimum) 3. Multi scan speed; Very Fast, Fast, Medium, Slow, Very slow 4. Number of repeat scans: 1 to 99 5. Recording system: Selection betweensingle spectrum and data overlay 6. Data processing: • Peak/valley detection • Arithmetic operations • Differentiation（1 to 4) • Smoothing • Area calculation • Point picking • Zoom in/out • Data reading at cursor-specified point 7. Spectrum data export by USB
Quantitation mode	1. Measurement methods: 1-wavelength, 2-wavelength, 3-wavelength, and 1st to 4th derivative methods 2. Quantitation methods: Automatic concentration calculation using K-factor Automatic concentration calculation using single-point calibration curve Multi-point calibration curve method • 1st to 3rd order regression curves 3. Measurement parameters: Number of repeat measurements (1 to 9 times) to obtain a mean value for quantitation 4. Auto data print out: export and print
Kinetics mode	.1. Single wavelength measurement • Measurement time: 1 to 6500 sec/min • Temperature control 2.Minimum 2-wavelength measurement 4. Rate measurement should be enable
Time scan mode	1. Measurement mode: Abs, T%, E 2. Measurement time: 1 to 6,500 sec/min 5. Data processing functions (same as spectrum mode)

Signature: …………………………………………………   Date……………………………
Name   :……………………………….......................
 Address :……………………………….................
…………………………………………….................
…………………………………………….................
Mobile No……………………………….....................

To

The Registrar
Dibrugarh University
Dibrugarh

Ref: NIT no. ……………………………………….dated……………………
Sub: Financial Bid

Sir,

In reference to the NIT cited above, the undersigned would like to submit the Financial Bid as per the unit price, taxes, quantity *etc*.

Item No.	DESCRIPTION OF GOODS WITH DETAILS OF SPECIFICATIONS	Qty.	Per Unit Price (INR)	GST (INR)	Total Amount (INR)

This is for your kind perusal and acceptance please.

Signature
Seal

Date:

Place:

COMPLIANCE SHEET

Supply, installation and commissioning of UV-Vis Spectrophotometer for Centre for Biotechnology & Bioinformatics, D.U.

Hardware Specifications		Compliance (Complied/Not Complied)
Item	Specification	
Wavelength range	190 ∼ 1100 nm	
Spectral bandwidth	0.5, 1, 2, 4, 5 nm	
Wavelength display	At least 0.05 nm increments	
Wavelength setting	At least 0.05 nm increments	
Wavelength accuracy	± 0.1 nm at D2 656.1 nm, ± 0.3 nm for entire range	
Wavelength repeatability	± 0.1 nm at least	
Wavelength scanning speed	Fastest scan speed at 3000 nm/min Slew rate at 4800 nm/min	
Lamp interchange wavelength	Should be able toautomaticallyinterchange linked towavelengthfreely at 0.1 nm increment	
Stray light	≤0.05% (220 nm NaI,360 nm NaNO2)	
Photometric system	Double beam optics (Minimum)	
Photometric range	Absorbance: -3 to +3.0 Abs (At least) Transmittance: 0% to 300%(At least)	
Photometric accuracy	± 0.002 Abs (0 ∼ 0.5A) ± 0.004 Abs (0.5 ∼ 1A) ± 0.3%T	
Photometric repeatability	0.001 Abs (0 ∼ 0.5A) 0.002 Abs (0.5 ∼ 1A) 0.1%T	
Baseline stability	≤0.0004 Abs / 30mins (500nm, one hour after light source turned ON)	
Baseline flatness	± 0.001 Abs (1100 ∼ 190 nm, one hour after light source turned ON)	
Noise level	0.0008 or lowerAbs (at 500 nm)	
Light source	20-W halogen and/or deuterium lamp Built-in light source auto position adjustment	
Monochromator	LO-RAY-LIGH grade blazed holographic grating in Czerny-Turner mounting	
Detector	Silicon photodiode	
Sample compartment	Internal dimensions: W110 × D230 × H105 mm Distance between light beams: 100 mm	
Power requirements	AC 220V, 50Hz, >130VA	
Environmental requirements	Temperature: 10°C ∼ 35°C Humidity: < 85%	
PC compatibility	Software/External control possible via USB	

Software Specifications		Compliance (Complied/Not Complied)
Measurement mode	Specification	
Photometric mode	1. Photometric modes: T% or Abs 2. Quantitation using K-factor method 3. Data table storage and recall functions 4. Printing via USB 5. Data files export using USB	
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Time scan mode	1. Measurement mode: Abs, T%, E 2. Measurement time: 1 to 6,500 sec/min 5. Data processing functions (same as spectrum mode)	

Signature
Seal
Date:
Place:

TECHNICAL BID - CHECK LIST

Sl. No	Particulars	Mention 'Yes' / 'No'
1.	Whether "Technical Bid" & "Financial Bids" submitted separately and the respective envelopes superscribed properly	
2.	Whether Tender Fee submitted? (if applicable).	
3.	Whether EMD submitted? (if applicable)	
4.	Whether MSME/NSIC/SSI certificate submitted? (in case of seeking Exemption)	
5.	Whether copy of PAN submitted?	
6.	Whether valid Trade License submitted?	
7.	Whether GST regn. Certificate provided?	
8.	Whether dealership/OEM certificate provided?	
9.	Whether detailed compliance sheet submitted?	
10.	Whether technical specification/ Literature provided?	

All above enclosures must be valid (wherever applicable)

Date: Name & Signature of the tenderer with
                                          seal

Place:

Note: Tenders not accompanied with above information & documents in support of the same may be summarily rejected.