

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



BID DOCUMENT

FOR

NAME OF THE WORK: Supply, installation and commissioning of Laboratory Equipments at Dibrugarh University.

TENDER No: DU/NIT-2024/File-VII/209 dated 30/01/2024

CUT-OUT SLIP

NAME OF THE WORK: Supply, installation and commissioning of Laboratory Equipments at Dibrugarh University.

TENDER No: DU/NIT-2024/File-VII209 dated 30/01/2024

SUBMISSION DUE DATE & TIME : 21/02//2024 up-to 11.30 A.M.

FROM:

NAME:
ADDRESS

TO:

THE REGISTRAR
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-2024/File-VII/209.

Date: 30/01/2024

Tender Notice

Sealed Tenders are invited from reputed manufactures/authorized dealers/suppliers for **Supply, installation and commissioning of Laboratory Equipments at 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 **21/02./2024 up-to 11:30 A.M.** to be submitted at the Office of the Registrar, Dibrugarh University, Dibrugarh, Assam.

Availability of Bid papers	From 30/01/2024
Last date for receipt of Bid	21/02/2024 up to 11.30 A.M.
Time & Date of opening of Bid	21/02/2024 at 02:30 P.M.
Place of opening of Bid	Office of the Registrar, DU
Cost of Tender Document	1000/- (Non refundable) + 18% GST
EMD	Rs. 18,000.00

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
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
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 **21/02/2024 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:

Qualifying Criteria:

- i. The bidder should be a manufacturer of nationally / internationally reputed brand or its authorized dealer / distributor. Either the bidder or the manufacturer shall have experience in dealing with the similar kind of supply and installation at central govt./ state govt. / institute of national importance / educational & research institutes for last three years. A copy of the purchase orders received from any of the institutes during the last three years along with satisfactory completion certificate from the user (s) should be submitted.
 - ii. All the quotations must be supported by technical leaflet/ literature and the specifications mentioned in the quotation must be reflected / supported by such technical leaflet / literature.
 - iii. Dealers or agents quoting on behalf of manufacturer must submit valid authorization certificate.
2. The last date and time for the submission of the bids is **21/02/2024 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 or Certificate of Incorporation or Partnership Deed.
 - PAN Card,
 - Registration certificate of GST,
 - Dealership/Manufacturing/Small Scale Industry (SSI) Certificate (if any)
 - The cost of tender of Rs. 1000.00 (Non refundable) + 18% GST, along with the Earnest Money of Rs. 18,000.00 (Rupees ten 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 21/02/2024** 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 I** 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. The Bidder should not have been blacklisted in anywhere in India or abroad. A self –declaration letter by the Bidder on the company's letter head should be submitted along with technical bid.
21. 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

Part - B (Specifications):**Supply, installation and commissioning of Laboratory Equipments at Dibrugarh University**

Sl No.	Specification
1.	<p><u>REFRIGERATED CENTRIFUGE</u></p> <ul style="list-style-type: none"> • Speed: 15000 RPM / 22388 g RCF • Microprocessor based system which can detects rotor automatically and sets maximum RCF on its own • Refrigeration temperature range: – 10 °C to 40 °C • Stainless steel corrosion free easy to clean round edged rotor chamber. • Large backlit LCD Digital display with brushless DC motor • Speed setting: 500-15000 RPM • Max capacity: 4 x 100ml, • Rotor Capacity: 24 x 2ml& 4 x 100ml • Time setting: 30 secs to 999 mins & infinite mode • Instrument is versatile, comes with detachable portable compressor unit which can be removed and machine can be used as a non-refrigerated centrifuge as & when needed. • Lid Lock Safety & Imbalance detection feature with auto-cut off safety: YES • Adjustable Ramp & Brake: Yes (selection from 1 to 9) • Built-in condensation drain • 9 acceleration mode and 9 deceleration modes for highly sensitive samples • 99 user programs with 4 lines programming in each • One touch RPM/RCF conversion & short spin operation option on the keyboard • Select from 15 optional swing out and fixed angle rotors • Intuitive interface with last run memory feature • Lid-lock safety feature opens the lid automatically after every run. • Power: 230 V • 44x2ml fixed angle Rotor provided • 4 x 100ml Rotor provided • Warranty one year from the date of installation.
2.	<p><u>VERTICAL ELECTROPHORESIS AND POWER SUPPLY</u></p> <ul style="list-style-type: none"> • Mini gel tank can accommodate up to two gels per run. • The unique tank design enables convenient side by side loading and enhanced viewing during use, forward facing wells for faster and easy loading • Run should complete within approximately 35minutes. • The unit should contain, gel runner tank, 2 caster units, tank base, tank lid, gel knife, power supply adapters. • Stronger glass plates with 5X more strength • The caster should capable to be placed and stable at 45degree angle for easy gel loading • 2X the sample volume • No sample spill over • White stand for better visualization • Unique well design allows increased sample loading capacity. <p>Power-supply specifications</p> <ul style="list-style-type: none"> • Input Power - 230 VAC, 50/60 Hz • Fuses - One 4A/250V, one extra fuse is provided • Output power in watts ~90 watts

	<ul style="list-style-type: none"> • Output voltage range 5~250 V • Output current range 10 mA~3 A • Timer ~99.99 per step • Terminal pairs -4 (4 positive voltage and 4 negative voltage) • Operating Modes - Constant Voltage 1V step, Constant Current 1 mA step, Constant Power 1 watt step • Display type Backlit LCD Graphic type • Safety features - No Load Detection, Load Change Detection, Overload Detection, Ground Leak Detection, Auto Restart • Program: up to 10 steps • Operating temperature 0°C~40°C. • Warranty one year from the date of installation.
<p>3.</p>	<p><u>SPECIFICATIONS FOR SPEED-VARIABLE PERISTALTIC PUMP</u></p> <ul style="list-style-type: none"> • Speed-variable peristaltic pump should adopt high quality closed-loop stepper motor drive with Speed accuracy $<\pm 0.2\%$. • Speed range should be 0.1 ~ 100rpm with speed accuracy $<\pm 0.2\%$, one channel flow range should be approx. 0.0001 ~ 480ml/min. • It should have APP software, the pump can be controlled remotely and running status can be monitored in real time. RS485 communication to easier connection with other equipment's, such as computer, human machine interface and PLC. • It should have high-definition lattice LCD display and Industrial mask keypad operation with simple and convenient, high durability. • Start/Stop, adjust speed, reversible direction, full speed and state memory (power-down memory) functions. • It can set the parameters of running time, interval time and cycle times to meet the requirements of timing, quantitative, liquid dispensing and flow testing. • It should have slow speed stop and suction function, which can effectively prevent the dropping of liquid when the machine stops. • It should have Keypad locked function to prevent mis-operation. • It should have streamline injection moulding shell design, simple and easy to clean. • It should be dust-proof and moisture-proof. • It should be able to match various high performance pump head, realize different pump head and drive combination. • Pump should be CE certified. • External Control Function-Powerful external control function, Support 5 ~ 24V wide voltage input, RS485 interface, MODBUS communication protocol • Flow range : 0.0001 ~ 480ml/min • Speed range : 0.1 ~ 100rpm • Speed resolution : 0.1 rpm • Speed accuracy : $<\pm 0.2\%$ • Keypad locked: Long press direction keypad to lock, long press start and stop key to unlock. • Timing function: Timing running time 0.1-999 S/Min/H/D interval time-0.1 -999 S/Min/H/D. • Cycle times : 0 ~ 999 (0 Infinite cycle) • Back Suction angle : 0 ~ 720° • External control signal input Start /Stop: passive contact, external control input level 5-24V. Reversible direction: passive contact, external control input level 5-24V. Adjust speed : Analog quantity 0-5V, 0-10V, 4-20mA can set. • External control signal output : Start /Stop : level signal (following input voltage). Reversible direction : level signal (following input voltage). Speed state- analog quantity 0-5V. • Power supply: AC100 ~ 240V, 50Hz/60Hz. • Power consumption : $<30W$ • Working environment: Temperature 0 ~ 40°C, relative humidity $<80\%$ • IP Grade : IP31 • Drive weight : 2.9 kg approx.

	<ul style="list-style-type: none"> • Accompany with Single pump head with 0.006~380 ml/minPer channel flow rate and at least 3 channels with 0.00016~49 ml/ min flow rate • Complete accessories like pump head, power code, and silicon tubing must be provided for the full functioning of the peristaltic pump • Warranty-1 year from date of installation
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Signature: Date.....

Name :.....

Address :.....

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Mobile No.....

ANNEXURE-II

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)
01					
02					
03					
04					

This is for your kind perusal and acceptance please.

Signature

Seal

Date:

Place:

COMPLIANCE SHEET**Supply, installation and commissioning of Laboratory Equipments at Dibrugarh University**

Sl No.	Specification	Compliance Complied/ Not complied
1.	<p><u>REFRIGERATED CENTRIFUGE</u></p> <ul style="list-style-type: none"> • Speed: 15000 RPM / 22388 g RCF • Microprocessor based system which can detects rotor automatically and sets maximum RCF on its own • Refrigeration temperature range: – 10 °C to 40 °C • Stainless steel corrosion free easy to clean round edged rotor chamber. • Large backlit LCD Digital display with brushless DC motor • Speed setting: 500-15000 RPM • Max capacity: 4 x 100ml, • Rotor Capacity: 24 x 2ml& 4 x 100ml • Time setting: 30 secs to 999 mins & infinite mode • Instrument is versatile, comes with detachable portable compressor unit which can be removed and machine can be used as a non-refrigerated centrifuge as & when needed. • Lid Lock Safety & Imbalance detection feature with auto-cut off safety: YES • Adjustable Ramp & Brake: Yes (selection from 1 to 9) • Built-in condensation drain • 9 acceleration mode and 9 deceleration modes for highly sensitive samples • 99 user programs with 4 lines programming in each • One touch RPM/RCF conversion & short spin operation option on the keyboard • Select from 15 optional swing out and fixed angle rotors • Intuitive interface with last run memory feature • Lid-lock safety feature opens the lid automatically after every run. • Power: 230 V • 44x2ml fixed angle Rotor provided • 4 x 100ml Rotor provided • Warranty one year from the date of installation. 	
2.	<p><u>VERTICAL ELECTROPHORESIS AND POWER SUPPLY</u></p> <ul style="list-style-type: none"> • Mini gel tank can accommodate up to two gels per run. • The unique tank design enables convenient side by side loading and enhanced viewing during use, forward facing wells for faster and easy loading • Run should complete within approximately 35minutes. • The unit should contain, gel runner tank, 2 caster units, tank base, tank lid, gel knife, power supply adapters. • Stronger glass plates with 5X more strength • The caster should capable to be placed and stable at 45degree angle for easy gel loading • 2X the sample volume • No sample spill over • White stand for better visualization • Unique well design allows increased sample loading capacity. <p>Power-supply specifications</p> <ul style="list-style-type: none"> • Input Power - 230 VAC, 50/60 Hz • Fuses - One 4A/250V, one extra fuse is provided 	

SI No.	Specification	Compliance Complied/ Not complied
	<ul style="list-style-type: none"> • Output power in watts ~90 watts • Output voltage range 5~250 V • Output current range 10 mA~3 A • Timer ~99.99 per step • Terminal pairs -4 (4 positive voltage and 4 negative voltage) • Operating Modes - Constant Voltage 1V step, Constant Current 1 mA step, Constant Power 1 watt step • Display type Backlit LCD Graphic type • Safety features - No Load Detection, Load Change Detection, Overload Detection, Ground Leak Detection, Auto Restart • Program: up to 10 steps • Operating temperature 0°C~40°C. • Warranty one year from the date of installation. 	
3.	<p><u>SPECIFICATIONS FOR SPEED-VARIABLE PERISTALTIC PUMP</u></p> <ul style="list-style-type: none"> • Speed-variable peristaltic pump should adopt high quality closed-loop stepper motor drive with Speed accuracy $<\pm 0.2\%$. • Speed range should be 0.1 ~ 100rpm with speed accuracy $<\pm 0.2\%$, one channel flow range should be approx. 0.0001 ~ 480ml/min. • It should have APP software, the pump can be controlled remotely and running status can be monitored in real time. RS485 communication to easier connection with other equipment's, such as computer, human machine interface and PLC. • It should have high-definition lattice LCD display and Industrial mask keypad operation with simple and convenient, high durability. • Start/Stop, adjust speed, reversible direction, full speed and state memory (power-down memory) functions. • It can set the parameters of running time, interval time and cycle times to meet the requirements of timing, quantitative, liquid dispensing and flow testing. • It should have slow speed stop and suction function, which can effectively prevent the dropping of liquid when the machine stops. • It should have Keypad locked function to prevent mis-operation. • It should have streamline injection moulding shell design, simple and easy to clean. • It should be dust-proof and moisture-proof. • It should be able to match various high performance pump head, realize different pump head and drive combination. • Pump should be CE certified. • External Control Function-Powerful external control function, Support 5 ~ 24V wide voltage input, RS485 interface, MODBUS communication protocol • Flow range : 0.0001 ~ 480ml/min • Speed range : 0.1 ~ 100rpm • Speed resolution : 0.1 rpm • Speed accuracy : $<\pm 0.2\%$ • Keypad locked: Long press direction keypad to lock, long press start and stop key to unlock. • Timing function: Timing running time 0.1-999 S/Min/H/D interval time-0.1 -999 S/Min/H/D. • Cycle times : 0 ~ 999 (0 Infinite cycle) • Back Suction angle : 0 ~ 720° • External control signal input Start /Stop: passive contact, external control input level 5-24V. Reversible direction: passive contact, external control input level 5-24V. Adjust speed : Analog quantity 0-5V, 0-10V, 4-20mA can set. • External control signal output : Start /Stop : level signal (following input voltage). Reversible direction : level signal (following input voltage). Speed state- analog quantity 0-5V. • Power supply: AC100 ~ 240V, 50Hz/60Hz. 	

SI No.	Specification	Compliance Complied/ Not complied
	<ul style="list-style-type: none"> • Power consumption : <30W • Working environment: Temperature 0~40°C, relative humidity <80% • IP Grade : IP31 • Drive weight : 2.9 kg approx. • Accompany with Single pump head with 0.006~380 ml/minPer channel flow rate and at least 3 channels with 0.00016~49 ml/ min flow rate • Complete accessories like pump head, power code, and silicon tubing must be provided for the full functioning of the peristaltic pump • Warranty-1 year from date of installation 	

ANNEXURE-IV

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 or Certificate of Incorporation or Partnership Deed 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?	
11.	Whether declaration regarding Non-Blacklist of Bidder/OEM anywhere in India or abroad on Bidders Letterhead submitted?	

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.