

**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 for Department of Life Sciences, Dibrugarh University.

TENDER No: DU/NIT-2020/42

CUT-OUT SLIP

NAME OF THE WORK: Supply, Installation and commissioning of Laboratory Equipments for Department of Life Sciences, Dibrugarh University.

TENDER NO. : DU/NIT-2020/42, Date: 29.12.2020

SUBMISSION DUE DATE & TIME : 18.01.2021 up-to 11.00 A.M.

FROM:

NAME:
ADDRESS

TO:

THE REGISTRAR
DIBRUGARH UNIVERSITY
DIBRUGARH, ASSAM

(To be pasted on the outer envelope containing “Technical”& “Commercial” bids)



OFFICE OF THE REGISTRAR :: DIBRUGARH UNIVERSITY :: DIBRUGARH
No. DU/NIT-2020/42 Date: 29.12.2020

Tender Notice

Sealed Tenders are invited from reputed manufactures/authorized dealers/suppliers for Supply, installation and commissioning of Laboratory Equipments for Department of Life Sciences, Dibrugarh University. Detailed specification of the items, terms & conditions etc are given below. **Last date of submission of Tender as per annexure with all relevant papers is 18.01.2021 up-to 11.00 A.M.** to be submitted at the Registrar's Office, Dibrugarh University, Dibrugarh, Assam.

| | |
|-------------------------------|-------------------------------|
| Availability of Bid papers | From 30.12.2020 to 18.01.2021 |
| Last date for receipt of Bid | 18.01.2021 upto 11:00 A.M. |
| Time & Date of opening of Bid | 18.01.2021 at 02:30 P.M. |
| Place of opening of Bid | Office of the Registrar, DU |
| Cost of Document | 1000/- Non refundable |
| EMD | 2.5 % of the Tender Value |

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 Registrar, D.U. for favour of information.
2. Dibrugarh University Website
3. Notice Board
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. The Technical Bids so received, shall be opened on **18.01.2021 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/ distributors/ stockists 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 acceptance of the bids is **18.01.2021 up-to 11:00 A.M.**
3. Suppliers shall submit the following documents along with their quotations:
 - (a) PAN/GST Registration No.
 - (b) Technical specifications offered by the Supplier.
 - (c) Technical compliance table
 - (d) Technical literature regarding the offered products including diagrams.
4. The rates should be mentioned in the **Schedule** attached with the Tender Document. 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 or she is signing the Tender.
5. The supplier shall submit the tender in two envelopes. The first envelope (Technical Bid) shall contain all the documents referred to in **2 above** and sealed. The second envelope (Commercial Bid) shall contain the **Schedule**, in which the supplier shall register the rates of supply. The second envelope shall also, likewise, be sealed. Both the envelope then should be put together, and should be sealed in an envelope on which the cut out slip provided as part of the tender document should be pasted, and should prescribe time and date. The Technical Bid shall be opened first to ensure that suppliers have submitted all the requisite documents. If the Technical Bids are not in order or are deficient in some respect, the commercial bids in respect of such tenders shall not be opened. The date and time of opening the financial bids shall be announced one day after opening all the Technical bids.
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 18.01.2021** 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 a maximum period of 1 month from placing of the order as mentioned at 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 **Part - B**.
14. The warranty period shall be for minimum one year or may be more as offered by the manufacturer and should coverall hardware/software.
15. Vendor should provide insurance up to the delivery point (Dibrugarh University) and until the time of installation.
16. 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.
17. Whether OEM or Authorized Distributor/ Dealer a letter or a valid certificate of authorization of manufacturer shall be enclosed.
18. Copy of product literature and catalogue, testing report, BEE rating, ISO etc.
19. The quantity as mentioned at Part-B (Specifications) may be increased or decreased at the time of placing Order as per requirement.
20. 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.
21. This tender document is not transferable.
22. The quantity as mentioned may be increased or decreased at the time of order as per actual requirement.
23. In the event of any kind of holiday at the date of opening, the same shall be opened at the next working day of the University.
24. Delivery: Up to Dibrugarh University

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

| Sl. No. | Particulars | Qty. |
|---------|---|------|
| 01 | <u>Digital Spectrophotometer :</u> Wavelength Range : 340 to 960 Wavelength accuracy :±5 nm, Wavelength readout : 5nm Photometric Accuracy : ± 0.005 Abs at 1.000Abs Grating : 600 lines/mm Power : 230v, ± 10%,50Hz | 04 |
| 02 | <u>Monocular Compound Microscope</u> Observation Head - 45° inclined Monocular head rotatable through 360°. Nosepiece - Quadruple nosepiece with accurate centering and positive click stops Stage - Fixed square stage 115 x 115 mm with 2 spring mounted stage clips. Illumination - Plano-Concave 50mm adjustable mirror on gimble mount. Interchangeable with sub-stage illuminator(optional), Objectives - Achromatic 4X - 10X & 40XSL. Eyepieces - Huygenian 5X-6X-10X, Packing - The Microscopes must be packed in full mould Styrofoam Boxes with Vinyl Cover, Duster, Cleaning Brush, Filter, Immersion Oil and Operating Manual. | 34 |
| 03 | <u>Binocular Stereoscopic Dissection Microscope</u> <ul style="list-style-type: none"> • Ach.Objective : Paired 2x & 4x • Eyepice : WF 10x/20mm (Paired) • Magnification : 20x & 40x • Working Distance : 100mm | 12 |
| 04 | <u>Student Compound Microscope</u> Body - Monocular Tube, inclinable upto 90°, length 160mm, Nosepiece - Triple revolving nosepiece with accurate centering and positive click stops Stage - Fixed square stage of 120x120mm with stage clips, Illumination - Plano-Concave 50mm adjustable mirror on gimble mount, Objectives - Achromatic 10X & 40X, Eyepieces - Huygenian 5X-10X | 34 |
| 05 | <u>High Precision Balance</u> Capacity : 520g, Readability : 0.001 g (1mg), Min.(Capacity) : 0.1g, Display : LCD, Pan Size : 80 mm Ø, Response Time : 4-5 sec, Operating Temperature : 15oC to 30oC | 04 |
| 06 | <u>Water Analyzer:</u> pH Range: 0 to 14.00 pH Resolution : 0.01 pH Accuracy: ±0.01 pH ±1 Digit Conductivity/TDS Range: 0 to 100 ms (5 range) 0 ppm to 100 ppt (5 range), At TDS factor 0.5 (Approx) & TEMPCO 2%, ±1% of FS ±1 Digit, Accuracy: ±1% of FS ±1 Digit, Dissolved Oxygen Range: 0 to 20 ppm, Resolution: 0.1 ppm, Accuracy: ±1% of FS ±1 Digit ±0.1, Temperature Range: 0 to 100°C General, Display (LCD) : 2 line 20 char. Alphanumeric Power: 230 V 50 Hz ±10% | 03 |
| 07 | Mercury Thermometer | 10 |
| 08 | Soil Thermo Meter | 10 |
| 09 | <u>Hot Air Oven with Digital temp. Indicator.</u> Temperature upto 250°C Accuracy ± 1°C double walled, inner chamber of Stainless Steel, elements on three sides. Chamber Size : 900x600x600 (36''x24''x24''), Capacity : 340, No.of Shelves : 3 | 02 |
| 10 | <u>Hot Air Oven with Digital temp. Indicator.</u> Temperature upto 250°C Accuracy ± 1°C double walled, inner chamber of Stainless Steel, elements on three sides. Chamber Size : 600x450x450 (24''x18''x18''), Capacity : 128 No. of Shelves : 2 | 02 |
| 11 | <u>Bacteriological Incubator</u> SIZE INSIDE CHAMBER: 600 x 600 x 900 mm, (24'' X 24''X 36''), Capacity: 340 Ltrs, No. of trays: 3, Double walled construction with inside Stainless Steel Chamber having 60-70mm | 01 |

| | | |
|-----------|--|-----------|
| | <p>glass wool insulation. Door must be fitted with heavy chrome plated hinges & spring & roller type latch catch and must be provided with adjustable steel wire mesh tray for better air circulation.</p> <p>TEMPERATURE RANGE : Ambient to 70°C ± 2° C . Temperature controlled by Hydraulic Type Capillary Thermostat and temperature reading will be on of "L" shape thermometer fitted at the front of the cabinet. HEATING : Heating elements must be made from high grade (Kanthal ISI) Resistance wire. Heaters must be fitted/wound along all sides & bottom. Complete with 2 pilot lamp cord & plug pin etc.</p> | |
| 12 | <p>Bacteriological Incubator SIZE INSIDE CHAMBER: 450 x 450 x 600 mm (18" X 18"X 24"), Capacity: 128 Ltrs, No. of trays: 2, Double walled construction with inside Stainless Steel Chamber having 60-70mm glass wool insulation. Door must be fitted with heavy chrome plated hinges & spring & roller type latch catch and must be provided with adjustable steel wire mesh tray for better air circulation.</p> <p>TEMPERATURE RANGE : Ambient to 70°C ± 2° C. Temperature controlled by Hydraulic Type Capillary Thermostat and temperature reading will be on of "L" shape thermometer fitted at the front of the cabinet, HEATING : Heating elements must be made from high grade (Kanthal ISI) Resistance wire. Heaters must be fitted/wound along all sides & bottom. Complete with 2 pilot lamp cord & plug pin etc.</p> | 02 |
| 13 | <p>BOD Incubator Inner Chamber Size (HxWxDx) mm: 700x650x900, Capacity in cu.ft.: 15 cu.ft Capacity: 420 ltrs. Double wall construction. Inner chamber made of SS. Supplied with two, three removable perforated shelves. Outer double wall door must be provided with magnetic gasket and lock & Key arrangement. Inner door unbreakable acrylic transparent sheet for inspection of material in the chamber without disturbing the chamber temperature which must be controlled by Digital Temperature Indicator cum Controller from 5° C to 60° C + 0.5° C with built-in auto tunic facility. Standard cooling unit with a hermetically sealed compressor with protective devices shall be provided below the chamber for safe & efficient working. To work on 220V A.C. 50Hz single phase.</p> | 01 |
| 14 | <p><u>Water Bath Rectangular (Double Wall)</u> Size inside(SS): 355x405x100mm 12 holes of 7.5cm, Capacity: 15 Ltrs</p> | 04 |
| 15 | <p><u>Single Distillation Unit with DAPS Dist. Water Output Capacity: 4 It/hr</u> Glass- Borosilicate Electrical requirements: 230-250 volts, Single phase 3.5 kw, Quartz heater, Minimum Cooling Water requirement: 2 Ltrs / min, Biological Activity: Pyrogen Free Conductivity S/cm: <3 x 10⁻⁶ Distillate Temp.: 65-750C</p> | 02 |
| 16 | <p><u>Double Distillation Unit with DAPS Dist. Water Output Capacity: 4 It/hr</u> Electrical requirements: 230-250 volts, Single phase 3.5x2 kw, Quartz heater Minimum Cooling Water requirement: 2.5 Ltrs / min (EA) Biological Activity: Pyrogen Free Conductivity S/cm: <3 x 10⁻⁶ Distillate Temp.: 65-750C</p> | 01 |
| 17 | <p><u>Laminar Air Flow (Horizontal)With Microprocessor Based Touch Screen Display</u> WORKING TABLE OF S.S. 304.</p> <ul style="list-style-type: none"> ➤ HEPA of 0.3μ of an efficiency of 99.97% down to 0.3μ Media Is of glass fiber & made of pleats back & front in an anodized Aluminum frame. ➤ Pre filter (10μ) of dry fiber Washable type with the frame on all the sides. ➤ Confirm International Standard ISO-14644-1 ➤ Statically Balanced motor blower Assembly (Heavy Duty) ➤ Velocity at the output of HEPA : 90 + 20 FPM | 01 |

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|-----------|---|-----------|
| | <ul style="list-style-type: none"> ➤ Noise level : very low ➤ Vibration: very low. ➤ Normal working fluorescent Light. ➤ Static Pressure Manometer ➤ U. V. Light 1 x 30/15 watts. ➤ Front & Side Door of Acrylic Sheet (Transparent) ➤ Gas cock. ➤ Wooden Body ➤ Size: 8x2x2 | |
| 18 | <p><u>Vertical Autoclave Double Wall</u> Size: 350x550mm Capacity: 52 litres Heater Load: 4.0 K watt To work on 220/230 Volt AC supply. Inner SS Outer MS</p> | 01 |
| 19 | <p><u>Table Top Centrifuge</u> Max Speed: 4400rpm Max. RCF: 2350g Max. Capacity: 200ml W x D x H: 330x370x295 Supply: 220-240 Volts 50 Hz. Single Phase</p> | 02 |
| | 8x15 ml swing out head with graduated glass tube | 02 |
| | 4x50 ml swing out head with graduated glass tube | 02 |
| | 8x15 ml angle head with polypropylene | 02 |
| | 4x50 ml angle head with polypropylene | 02 |
| 20 | <u>Variable Volume Micro Pipette 10-100 microl</u> | 03 |
| | <p><u>Variable Volume Micro Pipette</u> <ul style="list-style-type: none"> ➤ 100-1000 microl </p> | 03 |
| | <p><u>Variable Volume Micro Pipette</u> <ul style="list-style-type: none"> ➤ 1-10 microl </p> | 03 |
| | <p><u>Variable Volume Micro Pipette</u> <ul style="list-style-type: none"> ➤ 0.1-1 microl </p> | 03 |
| 21 | <p><u>Variable Volume Macro Pipette</u> <ul style="list-style-type: none"> ➤ 1-10 ml </p> | 06 |
| 22 | <p><u>Refrigerator</u> Capacity: 240 Litre or more Make: Samsung/Whirlpool/ Godrej</p> | 06 |
| 23 | <p><u>Deep freezer (-20 degree)</u> Capacity: 300 Ltrs or more</p> | 03 |
| 24 | <p><u>Filteration Assembly with Vacuum Pump</u> <ul style="list-style-type: none"> ➤ Cap.: 1000 ml ➤ Size: 47 mm </p> | 01 |
| 25 | <p><u>Magnetic stirrer with hot plate</u> With S.S. top hotplate. Temp of hotplate up to 70°C. It must have speed regulator for varying speed of stirring and energy regulator for temperature Teflon coated stirrer paddle must be provided RPM of motor upto 1200 rpm, Electric supply : 220 - 240 V, 50Hz single phase Capacity 2 ltr</p> | 01 |
| 26 | <p><u>Portable Incinerator Capacity: 5kg</u> Size: 12"x12"x24" Rating of heater: Lower chamber 12KW Temp. range 850°-900°C Upper Chamber 4.5KW, Temp. range 1050°C</p> | 01 |

| | | |
|-----------|---|-----------|
| 27 | Soil pH & Moisture Meter Soil pH range 3-8 pH Moisture range 1-8 | 01 |
| 28 | <p>GPS</p> <p>Rugged handheld navigator with preloaded worldwide base map and 2.2-inch monochrome display</p> <p>WAAS-enabled GPS receiver with HotFix and GLONASS support for fast positioning and a reliable signal</p> <p>Waterproof to IPX7 standards for protection against splashes, rain, etc.</p> <p>Support for paperless geo caching and Garmin spine-mounting accessories. Power with two AA batteries for up to 20 hours of use (best with Polaroid AA batteries)</p> <p>See high and low elevation points or store waypoints along a track (start, finish and high/low altitude) to estimate time and distance between point</p> | 01 |
| 29 | <p>Trinocular Stereozoom Microscope With Camera & Computer Attachment</p> <p>Stand : New ergonomic design, one piece single die cast stand</p> <p>Viewing Bodies : Siedentopf Binocular and Trinocular head, 30° inclined, 360° rotatable, Inter pupillary distance 50-75mm</p> <p>Eye-piece : Focusable wide field eyepiece 10x/22mm with foldable eye guards</p> <p>Objectives : RP series infinity corrected DIN Plan Achromatic objectives 4x, 10x, 40x (spring loaded), 100x (spring loaded, oil), anti fungus</p> <p>Illumination : Halogen 6V-20W or LED (in-built rechargeable battery) illumination with variable illumination control. Up to 2,000 hours of Halogen lamp life and 100, 000 hours of LED life.</p> <p>Computer specification: Core i5 computer with genuine Windows OS.</p> | 01 |
| 30 | <p>Micro Tissue Homogenizer</p> <p>With Micro Tissue Flask (max. Speed upto 10,000 RPM with variable speed regulator)</p> <p>➤ 25 ml</p> | 02 |
| 31 | <p>Digital Colony Counter</p> <p>Model: 3 digit display (Upto 999 counts) Dark Field Illumination. Bright Dividing Lines. Oblique Non-Glare Bright Light (20 W) for uniform illumination. Variable Focus. Automatic Registration through resettable electromagnetic counter. Marking Pen for accurate counting. With three Digit Display 0- 999.</p> | 01 |

Signature:

Date.....

Name :.....

Address :.....

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Mobile No.....