

नागालैण्ड  
NAGALAND



विश्वविद्यालय  
UNIVERSITY

(संसद द्वारा पारित अधिनियम 1989, क्रमांक 35 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)  
A Central University Established by the Act of Parliament No.35 of 1989)

मुख्यालय : लुमामी, जिला : जुन्हेबोटो (नागालैण्ड), पिन कोड - 798 627

Headquarters: Lumami, District: Zunheboto (Nagaland), Pin Code - 798 627

No. NUL/RDC/PF-105/2021- 1803

Dated: 27.10.2021

### NOTICE INVITING TENDER

Nagaland University invites sealed tenders from reputed Original Equipment Manufacturers/Authorized Dealers/Bidders for supply and installation of equipments under the DBT project entitled "Studies on Selected Bromo-Organic Compounds to Assess their Antibacterial and Antioxidant Properties" of Prof. Upasana Bora Sinha, PI, Deptt. of Chemistry, Nagaland University, Lumami. Interested firms may download the tender documents and Terms and Conditions from the University website: [nagalanduniversity.ac.in](http://nagalanduniversity.ac.in) and submit their quotations along with tender fees of ₹ 1,000/- (non-refundable) in the form of DD in favour of Registrar, Nagaland University, Lumami in sealed envelope superscript on the cover "Tender for supply of Equipments under DBT Project of Prof. Upasana Bora Sinha, PI, Deptt. of Chemistry, Nagaland University, Lumami" and addressed to the undersigned on or before 24<sup>th</sup> November, 2021 up to 4:00. P.M. No tenders will be accepted beyond this date and time.

Sd/-  
Vice- Chancellor

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#### TERMS AND CONDITIONS:

1. Dealership certificate/Authorization certificate from the Manufacturer should be enclosed.
2. Tax should be clearly indicate.
3. The Rates are FOR Nagaland University, Lumami.
4. Delivery of the items should be within 30 days from issue of order.
5. EMD of 2% of the total quoted prize in the form of DD should be deposited in favour of the Registrar, Nagaland University, Lumami
6. The University reserves the right to accept or reject the tenders without assigning any reasons thereof and no representation will be accepted.

#### TERM OF PAYMENT

100% Payment after the receipt, inspection, acceptance of materials and successful installation of all the materials.

#### WARRANTY

The items should be warranted against defects for a minimum of 1 (one) year from the date of installation. Defective items should be replaced at the cost of supplier.

**NOTE: Offers not agreeing with the above terms are liable for rejection.**

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TENDER DOCUMENT FOR SUPPLY OF EQUIPMENTS UNDER DBT PROJECT OF Prof. UBASANA BORA  
SINHA, DEPARTMENT OF CHEMISTRY, NAGALAND UNIVERSITY, LUMAMI

Name of the Firm : \_\_\_\_\_

Address : \_\_\_\_\_  
\_\_\_\_\_

Phone No : \_\_\_\_\_

Email ID : \_\_\_\_\_

Sign & Seal

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SUPPLY OF EQUIPMENTS UNDER DBT SPONSORED PROJECT

Sl. No.	Items	Manufacture/Make	Qty	Price per item	Total
01	Multiskan microplate spectrophotometer		1 No.		
02	Vertical Autoclave for Laboratory With Digital Temp. Controller		1 No.		
03	Orbital Incubator Shaker (heading only) With Microprocessor based PID Controller		1 No.		
04	Biological Safety Cabinet with poly Carbonate sheet		1 No.		
05	Single Solid Door Upright-20° Freezer With suitable Voltage Stabilizer		1 No.		



## **Item 1: Multiskan microplate spectrophotometer**

### **Specifications:**

- Plate Type :96- and 384-well formats and  $\mu$ Drop Plate
- Cuvettes : No
- Light Source :Xenon flash lamp
- Wavelength Selection : Monochromator
- Wavelength Range: 200-1000 nm
- Bandwidth :< 2.5 nm
- Photometric Linearity : 0–2.5 Abs, 2% @ 450nm
- Read-out Range Up to : 3 Abs
- Resolution :1 nm
- Accuracy (Photometric) :1.0% + 0.003 Abs (0–2.0 Abs), 2.0% (2.0–2.5 Abs) @450nm
- Incubator Temperature Ambient + 2°C to 45°C
- Shaking Linear shaking
- Measurement Speed :96-well microplate: 6 seconds (fast mode)384-well microplate: 10 seconds (fast mode)
- Spectral Scanning Speed :10 s from 200 to 1000 nm
- Interface : Touchscreen display and SkanIt PC software Software Includes:  $\mu$ Drop plate
- Reading Options : 96- and 384-well plates,  $\mu$ Drop Plate

## **Item 2: Vertical Autoclave for Laboratory with Digital Temp. Controller**

### **Specifications:**

- Inner chamber is made of thick Stainless Steel 304
- Outer body is made of thick M.S. Duly Powder Coated body.
- The chamber is absolutely leak – proof and can be operated at any selected point in between 5 to 20 PSI.
- With Specially designed Silicon Gasket for Leak Proof Chamber.

  
27-10-21

- 117-302
- It is provided with pressure gauge, pressure release valve S. S. Basket, safety valve, with water Level indicator with cord, Plug, Pressure Control Switch & S.S. Lid with Water Level cut Off device for Safety of Heaters
  - Working size: 300 x 500 mm
  - Capacity : 35 ltrs

**Item 3: Orbital Incubator Shaker (heating only) with Microprocessor based PID Controller**

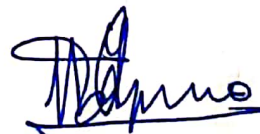
**Specifications:**

- Temp. range ( Ambient +5°C to 70°C) with Digital temperature Controller and variable speed regulator. Inner Stainless Steel 304,
- Outer M.S. Body duly Powder Coated.
- To Hold 12 Flask of 250 ml OR Mix (Size of platform 600x600 mm)

**Item 4: Biological Safety Cabinet with poly carbonate sheet**

**Specifications:**

- Perforated working table of S.S. 304.
- HEPA of 0.3 of an efficiency of 99.97% down to 0.3
- Media is of glass fiber & made of pleats back & frow in a anodized Aluminum frame.
- Pre filter (10) 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 is 90 + 20 FPM
- Noise level is very low
- Static Pressure Manometer
- Transparent Front Door.
- Vibration is also very low.
- Normal working fluorescent Light.
- U. V. Light 1 x 30/15 watts.
- Front & Side Door of Acrylic Sheet (Transparent)



- Gas cock
- Virus Burnout System
- HEPA Filter in Exhaust
- Working Are Size (in ft.) : 2" X 2" X 2
- M.S. Body Duly Powder Coated

**Item 5: Single Solid Door Upright -20° Freezer with suitable Voltage**

**Stabilizer**

**Specifications:**

- Capacity: 344 Ltrs.
- Dimensions: 24(W) x24 (D) x 73(H)
- Temperature Range: 160 C – 250
- CWheels: Yes (Rear)
- Lock: Yes
- Rated Load, Wattage: 180
- No. of Baskets/Shelves: 8
- No. of Door: 1
- Refrigerant: R 134a
- Digital Display: & Controller: No.
- Visual & Acoustic Alarm: Yes
- Data Logger & USB Data Transfer: No.
- Certification: CE

