



NAGALAND UNIVERSITY

(A Central University Estd. By the Act of Parliament No.35 of 1989)

Headquarters : Lumami - 798627

NO.NU/PF/P-36/2011 -

Dated : 9th October, 2018.

NOTICE INVITING TENDER

Nagaland University invites sealed tenders for Supply of Equipments to the Department of Botany, Nagaland University, Lumami under DPT sponsored Advance Level Institutional Biotech Hub. Interested parties may download the tender documents from the University website: nagalanduniversity.ac.in and submit their quotations along with tender fees of Rs. 1,000/- (non-refundable) in the form of DD in favour of Registrar, Nagaland University, Lumami in sealed envelop superscript on the cover "Tender for supply of Equipments to the Department of Botany, Nagaland University, Lumami under DPT sponsored Advance Level Institutional Biotech Hub" and addressed to the undersigned on or before 31st October, 2018 up to 4:00. P.M.. No tenders will be accepted beyond this date and time.

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(Dr. Abemo)
Registrar

NO.NU/PF/P-36/2011 - 5024

Dated : 9th October, 2018.

Copy to:-

1. The P.A to Registrar for information of the Registrar.
2. The Finance Officer, Nagaland University, Lumami.
3. ✓ The System Administrator, NU, Lumami, with a request to upload the NIT in the University website.
4. The Editor, Nagaland Post, Dimapur, with a request for publication in the next daily issue (size 6cm x 8cm). Bills in triplicate should be submitted for payment. It's a one time publication.
5. The Editor, Arihant Advertising Agency, S.R.C.B. Road, Fancy Bazar, Guwahati – 781001 with a request to publish in the Times of India, North East Edition (size 6 cm x 8 cm). Bills in triplicate should be submitted for payment. Its an one time publication.
6. Office copy.

(Dr. Abemo) 09-10-18
Registrar



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₹ 1,000/- (Non refundable)

TENDER DOCUMENT FOR SUPPLY OF EQUIPMENTS TO THE DEPARTMENT OF BOTANY, NAGALAND UNIVERSITY, LUMAMI UNDER DPT SPONSORED ADVANCE LEVEL INSTITUTIONAL BIOTECH HUB.

Name of the Firm : _____

Address : _____

Phone No : _____

Email ID : _____

Sign & Seal



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**SUPPLY OF EQUIPMENTS UNDER DBT SPONSORED ADVANCE LEVEL
INSTITUTIONAL BIOTECH HUB.**

Sl. No	Items	Manufacture/ Make	Qty	Price per item	Total
1	Muffle Furnace		1 no		
2	Refrigerated Centrifuge with Rotors*		1 set		
3	6 KVA online UPS 2600 mAH) with batteries (minimum 15 battery and stand)		1 set		

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TERMS AND CONDITIONS

1. Dealership certificate / Authorization certificate from the Manufacturer should be enclosed.
2. Tax should be clearly indicated.
3. The Rates are **FOR** Nagaland University, Lumami.
4. Bidder should have adequate After Sales Support Infrastructure.
5. EMD of 2% of the total quoted price in the form of DD should be deposited in favour of the Registrar, Nagaland University, Lumami.
6. A self addressed envelop should be enclosed along with the EMD.
7. 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 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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Specification of equipments to be purchased from the DBT sponsored 'Advance Level Biotech Hub'

Name of the Equipment	TECHNICAL SPECIFICATION	Quantity
Muffle Furnace	<p>The system should be CE certified</p> <p>The Construction should be Horizontal rectangular muffle.</p> <p>Heating System should be by means of element made of best quality Nichrome wire wounded on the muffle.</p> <p>Insulation should be with the Heating element wounded with high grade cerewool blanket and the gaps are filled with glass wool / cerewool to avoid heat loss.</p> <p>There should be Energy regulator to control heating elements for extra heating and safety of equipment.</p> <p>There should be Single door made of brick work and cementing fitted in with single hole at Center.</p> <p>The Power supply should be 230V AC, Single Phase, 50Hz</p> <p>The Maximum working temperature should be up to 9300 C.</p> <p>FRONT DOOR: 105 to 1200 °C (approx.) on 9000C Set Point. BOTH SIDE : 80 to 950 C (approx.)</p> <p>The control system should be with Imported Microprocessor based auto tuned PID controller with CE mark & dual display of set value & process value for precise control of temperature.</p> <p>The internal dimension should not be less than 23 x 10 x 10</p>	1 No.
Refrigerated Centrifuge with Rotors*	<p>The high Speed centrifuge should have minimum speed of 90 –18000 rpm & max capacity of 1 liter.</p> <p>*Rotors for 50, 15 and 1.5 ml centrifuge tube/sample holders.</p> <p>The temperature range should be -20C to +40°C with 1°C increment. It should have maintenance-free, brush-less motor.</p> <p>The maximum RCF should be 30065 x g.</p> <p>The system should start only after the preselected temperature is reached.</p> <p>It should have initial cooling without/with centrifuging & cooling after centrifuging with precise temperature stabilization.</p> <p>Housing should be of aluminium sheet with front and cover of ABS Plastics.</p> <p>Rotation chamber bowl is made up of stainless steel and rotors and containers should be of aluminium.</p> <p>Short spinning function should be provided with a separate short key.</p> <p>The system should have at least 90 operating programs with password protection.</p> <p>It should have the memory of last 10 working cycles.</p> <p>The timer should be 0-99min with continuous operation mode HOLD.</p> <p>It should have SHORT time operation mode with a separate short key.</p> <p>The system should have Protection systems such as no lid opening during spinning & not possible to start when the lid is open.</p> <p>It should have facility for automatic rotor identification, imbalance detection, automatic lid opening, emergency lid lock release & motor thermal protection.</p> <p>It should have manual adjustment of density of samples > 1,2g/cm3</p>	1 set


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	<p>(with automatic maximum speed correction). Should have an inspection glass. System should use refrigerant R507 (CFC/HCFC free). System's noise level should not exceed 56 dB. It should have a possibility of changing parameters during centrifuging. It should have 10 acceleration and deceleration curves and programming of multi-section acceleration/deceleration curves. The minimum lifetime of rotors should be 15000 cycles. The system should not have any drain system to avoid cross contamination. Monitoring and saving of working parameters through computer or directly by thermal printer with serial port. System should have maximum capacity of 2 X 250 ml (Swing Out Rotor) 36 x 10/15 ml tubes (angle rotor) Dimensions should not be more than 380 X 443 X 695 mm (HWD). Should come with fixed angel rotor with capacity of 24 x 1.5/2 ml goes up to max speed 18000 RPM and 30065 x g RCF, and 6 x 50 ml fixed rotor with adaptor of 15 ml having maximum speed of 10000 RPM and 10700 x g RCF Weight excluding accessories should be 70.9 kg. The product should be conforming to the EN-61010- 1 and EN-61010-2-020, EN-61010- 2-101 International safety norms.</p>	
6 KVA online UPS 2600 mAH) with batteries (minimum 15 battery and stand)	Minimum 1 hour backup on full load Brands (UPS and Batteries from ISO and ISI certified companies) Minimum 3 years of post sale free full warranty and service on both UPS and batteries).	1 set

AD
Dharmo
09-10-18