

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

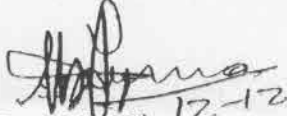
Headquarters: Lumami, District: Zunheboto (Nagaland), Pin Code - 798 627

No. NUL/RDC/PF-95/2019 - 6982

Dated: 12.12.2019

NOTICE INVITING TENDER

Nagaland University invites sealed tenders from reputed Original Equipment Manufacturers/Authorised Dealers/Bidders for supply and installation of equipments under the project entitled "Development of plant based assay system for primary screening of lead molecule(s) from medicinal plants of Nagaland" of Dr. Rajkrishna Mondal, PI and Assistant Professor, Department of Biotechnology, Nagaland University. Interested firms may download the tender documents and Terms and Conditions from the University website: nagalanduniversity.ac.in and submit their quotations along with tender fees of ₹ 500/- (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 Dr. Rajkrishna Mondal, Department of Biotechnology, Nagaland University" and addressed to the undersigned on or before 10th January, 2020 up to 4:00. P.M. No tenders will be accepted beyond this date and time.

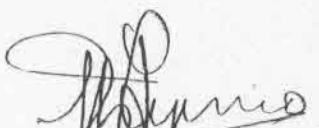

(Dr. ABEMO) 12-12-19
Registrar

No. NUL/RDC/PF-95/2019 - 6982

Dated: 12.12.2019

Copy to:-

1. The PRO, Nagaland University, Lumami for kind information of Vice Chancellor
2. The P.A to Registrar Nagaland University, Lumami for kind information of the Registrar
3. The Finance Officer, Nagaland University, Lumami for kind information
4. The Head, Deptt. of Biotechnology, Nagaland University, SET, Dimapur for kind information
5. Dr. Rajkrishna Mondal, PI and Assistant Professor, Deptt. of Biotechnology, Nagaland University, SET, Dimapur for kind information
6. The System Administrator, NU, Lumami, with a request to upload the NIT in the University website
7. 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 onetime publication
8. 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. It's an one time publication
9. Office copy


Registrar 12-12-19

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Dated: 10.12.2019

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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No. NUL/RDC/PF-95/2019 -

Dated: 10.12.2019

TENDER DOCUMENT FOR SUPPLY OF EQUIPMENTS UNDER TENDER FOR SUPPLY OF EQUIPMENTS
UNDER DBT PROJECT OF DR. RAJKRISHNA MONDAL, DEPARTMENT OF BIOTECHNOLOGY,
NAGALAND UNIVERSITY

Name of the Firm : _____

Address : _____

Phone No : _____

Email ID : _____

Sign & Seal

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 DEPARTMENT OF BIOTECHNOLOGY

D.C. COURT JUNCTION: DIMAPUR-797112, NL, Website: www.nagalanduniversity.ac.in, Email: biotech@nagalanduniversity.ac.in

Sl No	Equipment name with specification	Qt
1	<p>ANALYTICAL CUM PREPARATIVE HPLC SYSTEM</p> <p>Specification</p> <p>Two Independent pumps High Pressure Binary Gradient HPLC System; both the pumps should have pressure-bearing capacity of 42MPa. Modules must be connected via fiber optic noise resistant high-speed transmission technology to enhance the reliability and sensitivity of the HPLC.</p> <p>1. Solvent Delivery System for Analytical, Semi-Prep & Preparative flow rates --- Independent Pumps - 2 No's</p> <ul style="list-style-type: none"> • The flow rate should be set between 0.01 to 150 ml/min from micro to preparative flow rates without any hardware change • Flow rate accuracy should be $\pm 1\%$ • Flow rate precision should be less than $\pm 0.1\%$ RSD • Pressure setting range should be 1-42 MPa • It should employ active check valves that allow stable delivery of even non-polar organic solvents such as hexane • It should be capable of standalone operation with LCD display. • It should have up to 20 storage files • Maintenance kit, & automatic rinsing kit must be supplied • It must have a leak sensor as safety feature • It should have functions for maintenance and validation which are accessible by a dedicated operation button <p>2. Dynamic Gradient Mixer for Analytical Mixes ----- 1 No</p> <ul style="list-style-type: none"> ▪ Mixing volume changeable in 3 or more steps ▪ Suitable for high pressure, low pressure and semi-micro applications ▪ Dynamic mixing. <p>3. Dynamic Gradient Mixer for Preparative Mixes ----- 1 No</p> <ul style="list-style-type: none"> ▪ Suitable for semi preparative and preparative applications ▪ Dynamic mixing. <p>4. High Sensitive UV-VIS Detector ----- 1 No</p> <ul style="list-style-type: none"> • Wavelength range 190 nm - 700 nm • The flow cell must be temperature controlled from 5 °C above room temperature to 50°C 	1

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	<ul style="list-style-type: none"> • Noise Level $\pm 0.5 \times 10^{-5}$ AU • Linearity of 2.0AU (ASTM method) • It should have automatic wavelength accuracy check function using built in Hg lamp and wavelength correction <p>5. Manual Injector for Analytical application with auto trigger - 1Set</p> <ul style="list-style-type: none"> 1. Rheodyne injector with auto trigger and 20ul loop - 1 Number 2. Injector mounting plate- 1 Number 3. Syringe 25ul - 1 Number <p>6. Manual Injector for Preparative application with auto trigger - 1Set</p> <ul style="list-style-type: none"> 1. Rheodyne injector with auto trigger - 1 Number 2. Injector mounting plate- 1 Number 3. Loops: 1 ml, 2ml, 5 ml loops - 1 Number each 4. Syringes: 1 ml, 2.5ml, 5ml- 1 Number each <p>7. Column Holders suitable for Holding Preparative columns upto 50mmi.d, T-Joint, Piping kit and other relevant accessories to be included.</p> <p>8. Column Switching Valve: suitable from automatically switching between Analytical to preparative columns.</p> <p>9. Chromatography software -- 1set</p> <ul style="list-style-type: none"> • Operation of the system should be very easy and intuitive via a state-of-the-art 32 bit Win XP based software • Complete system control software all parameters should be computer controlled • Software must have its own log files for complete audit trails with 21 CFR part 11 Compliance • Compatible chromatography software, which can acquire and process data from HPLC system. <p>10. Columns:</p> <ul style="list-style-type: none"> C18 analytical column: 250 mmx4.6 mm, 5μ column 1 Number C18 Semi preparative column: 250 mm x 10 mm, 5/10μ - 1 Number <p>11. Suitable branded PC, Laser jet printer has to be offered Warranty for 2 years for the HPLC system is a must.</p>	
2	<p>Rotary Vacuum Evaporator with Chiller circulator sufficient for Rotary</p> <p>Technical specification</p> <ul style="list-style-type: none"> ➤ Rotating Flask capacity : 1 ltr/2 ltr ➤ Frequency : 50/60 Hz ➤ Power : 1400 w ➤ Motor principle : DC Brushless motor 	1

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➤ Heating temperature range	: RT-180° c
➤ Heat control accuracy	: ± 1° c
➤ Heat output	: 1300 W
➤ Temperature Display	: LCD
➤ Life	: Motor
➤ Stroke	: 150 mm
➤ Timer	: Yes
➤ Time Display	: LCD
➤ Time setting range	: 1- 999 min
➤ Overall Dimensions (D x W x H)	: 420 x 400 x 580
➤ Permissible Ambient temperature	: 5°c—40°c