



नगालैण्ड विश्वविद्यालय NAGALAND 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)

School of Agricultural Sciences & Rural Development

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25.10.2018

Ref. No.....

Date.....

NOTICE INVITING TENDER

Sealed rate quotation are invited from reputed manufacturers/authorized dealers/registered suppliers for supply of Instrument/Machinery for DBT sponsored project "*Exploration of banana biodiversity and its biotechnological research in Nagaland*" under the department of Horticulture, SASRD, Nagaland University, Medziphema. The lists of items with technical specifications are available at Nagaland University Website (www.nagalanduniversity.ac.in)

The last date for submission of the tender is 24.11.2018 during office hours. Incomplete tender shall be summarily rejected. The University authority reserves the right to accept and reject any tender without assigned reasons whatsoever.

Sd/-

(T. LANUSOSANG)

Pro-Vice Chancellor

Copy forwarded to:

1. The System Administrator, Nagaland University, Lumami with a request to upload the above notice along technical specifications and terms and conditions in the NU Website.
2. Dr. Animesh Sarkar, Principal Investigator, DBT- "*Exploration of banana biodiversity and its biotechnological research in Nagaland*" project, NU, SASRD, Medziphema.
3. Notice Board.
4. Office copy.


(VEKEYO TETSEO)
Assistant Registrar

Equipment and facility specifications:

Sl. No	Equipment	Specification
1.	Spectrophotometer	Single beam, UV-Visible, LCD display, wavelength range 190-1100nm, wavelength accuracy ± 1 nm, cuvette rack adaptable for micro-sample cuvettes, operation on machine or through software connected PC.
2.	Microscope	Trinocular microscope with photographic attachment, artificial illumination with LED lamp, brightness control, coaxial coarse and fine focusing knobs, infinity corrected and antifungal treated objectives (4x, 10x, 20x, 40x, and 100x) mechanical stage about 188*134 mm, travelling range 76 mm (X) x 50mm (Y), connection with laptop or desktop with appropriate software, suitable adopter for microscope and standard accessories.
3.	Gradient Machine	Android OS, LCD display, touch screen operation, Sample block module of capacity 96x0.2 ml + 54 x 0.5 ml, Minimum Heating Rate $\geq 5^{\circ}\text{C/sec}$, Minimum cooling Rate $\geq 5^{\circ}\text{C/sec}$, Facility to hold the sample at 4°C forever, saving upto 2000 protocols on system, USB port, Auto restart in case of power failure, Pause function to halt the program run, continual display of running parameters on screen, Gradient range of temperature 30°C - 99°C , remote monitoring through laptop or PC.
4.	Orbital shaking incubator	Stainless steel body, transparent glass door, digital RPM/speed indicator, accommodation capacity of shacking platform 16 flasks of 250/500 ml or 25 flasks of 100 ml or 36 flasks of 50 ml, digital temperature indicator-cum-controller, temperature range 15 - 45°C or higher.
5.	Water purification system	Ultrapure, DNase and RNase free water, ionic rejection $>95\%$, conductivity $0.055 \mu\text{s/cm}$, productivity 30 L/hour , resistivity at 25°C $18.2\text{M}\Omega\text{.cm}$, TOC Level-1-5 ppb, Particulate ($\geq 0.02\text{um}$), $<1\text{pc/ml}$, Bacteria $<0.1\text{cfu/ml}$, storage Tank of Lit capacity provided with machine.
6.	Horizontal electrophoresis system	Midi submarine gel unit $12.8 \times 15 \text{ cm}$ with variable type power pack with current 500mA and voltage 0 - 500volts , 16/20/26 well combs, tooth thickness 2mm , safe lid.
7.	Deep freezer (-20 C)	Horizontal, temperature range ambient to -20°C with digital temperature display/ controller, capacity-170 litre.
8.	Hot water bath	Rectangular, thermostatically controlled, double walled with inner chamber made of up stainless steel and outer wall of steel sheet duly power coated, glass wool insulation, concentric rings removable to adjust containers of various sizes, temperature range ambient to 100°C , indicator lamps, $3000 \times 250 \times 100 \text{ mm}$ (6 holes of 75 mm), 8 litre.
9.	Vortex	Orbital Diameter of 5.5mm , Volume to be vortex is upto 50 ml , Vortex mixture with speed control.

*CFD
28/10/18*