NAGALAND UNIVERSITY

(A Central University Established by the Act of Parliament NO. 35 of 1989)

School of Agricultural Sciences & Rural Development

Medziphema Campus – 797106

NO. NU/SASRD/ADMN/B-53/2018- 70 Date. 15/06/2020

SHORT TENDER NOTICE

Sealed Rate Quotations are invited from interested registered Firms/Supplier for supply of Equipments to Central Instrumentation Centre, SASRD,NU, Medziphema as per annexure enclosed below under the following Terms & Conditions:

1. The Tender should be addressed to the Pro-Vice Chancellor, SASRD, Nagaland University Medziphema in duly signed and sealed envelope.
2. The quoted rate should be valid for use for a minimum period of 1(one) year from the date of this quotation.
3. The quoted rate should be FOR, SASRD, Nagaland University, Medziphema.
4. The Quotation should specify the GST percentage on each item separately.
5. The Tender should be submitted to the office of the undersigned on or before 23-06-2020 during office hours.
6. SASRD, Nagaland University, reserves the right to accept or reject any tender without assigning any reason whatsoever.

Sd/-
(T. LANUSOSANG)
Pro-Vice Chancellor

Copy to:

1. System Administrator, Nagaland University, Lumami with request for Web hosting in the University website.
2. Notice Board
3. Office file

(OTOVA SWU)
Deputy Registrar

LIST OF EQUIPMENTS WITH SPECIFICATIONS
FOR
CIC,SASRD:NU,MEDZIPHEMA CAMPUS

1. **Microprocessor based UV-Visible Spectrophotometer: 1 NO**

Specification: Optical Design: Dual beam,Spectral Bandwidth: 2.0 nm,Light Source: XENON flash lamp (Typical Lifetime5 years),Detector :Dual silicon photodiodes,Wavelength Range :190 to 1100 nm,Accuracy: 0.5 nm,Repeatability: <±0.2 nm,Scanning Speed: Slow, medium and fast (up to 1600 nm/min),Data Resolution :0.2 nm, 0.5 nm, 1 nm, 2 nm, 5 nm,Photometric Measurement Modes: Absorbance, % transmittance, concentration,Range –2A to +3.5A; <1000 %T to 0 %T; 9999 C,Accuracy ±0.002A at 0.5A, ±0.004A at 1.0A, ±0.008A at 2.0A,Power Requirements:External AC to DC converter., Voltage and Frequency (Hz) selected automatically, 100–240,volts, 50–60 Hz., Improved usability, Designed for water testing, Android based operating system. 260+ Pre-programmed Methods (Merck kit can be used), Glove Friendly Touch Screen Controller, Modern graphic display, Adjustable vial holder, Magnetically retained sample holders, Print data/reports to the in-built integrated thermal printers., Export data to network or PC via Ethernet, Xenon lamp now user replaceable expensive depot

2. **Precision Analytical Dual-range Balance:** 1 NO

Spacification: Capacity: 220 gm/ 82 gm,Minimum display: 0.1 mg / 0.01 mg (up to 82 gm),Repeatability (Standard deviation, σ): ≤0.1 mg (large range), ≤0.05 mg (small range, Linearity: ±0.2 mg (large range), ±0.1 mg (small range).Response time: 3 s (large range), 15 s (small range),Operation temperature: 5°C to 40°C,Pan size: 80 mm dia,Body dimension: W220 mm × D330 mm × H310 mm approx

3. **Table Top pH Meter:** 1NO

Specification:pH 2.0 ... 20.0 ±0.1 pH,-2.00 ... 20.00 ±0.01 pH,-2.000 ... 19.999 ±0.005 pH,mV ±1200.0 mV ±0.3 mV,±(2000 ±1) mV,Temperature -5.0 ... 105.0 °C ±0.1 °C,Temperature compensation Automatic / Manual Calibration point 1 to 3,Calibration record One,Display LCD,Power supply Power or battery, Easy-to-operate basic pH/mV benchtop meter with DIN socket for routine measurement. For AC and battery operation. Meter with universal power supply, stand and operation manual. Combined pH electrode SenTix®41, buffer 4, 7 and 10.01, 3 mol/l KCl, inoLab® pH 7110 SET
2 (1AA112)

4. **High speed Microcentrifuge:** 1NO

The refrigerated microcentrifuge for molecular and cellular lab works with max speed of 17,000 rpm (27,237 xg). Maximum capacity for 30 microtubes or 18 microfilter tubes or 64 PCR tubes Fast cooling function to 4°C in 5 minutes for fast start up of

cooled samples The ompressor-off function when lid is open minimizes unnecessarycooling and frosting. Teflon coated rust-free chamber Very quiet operation at less than 56 dB allows for comfortable laboratory environment. Selectable time mode of "at set SPEED" for counting running time only when reached the set speed A separate "PULSE" key for quick spin Parameters can be changed during operation. Key lock function helps the set parameters secured during operation. Technical specification;

Max. RPM/RCF	17,000 / 27,237 xg
Max. capacity	30 x 1.5/2.0 ml, 8 x 8-tube PCR strips
Temp. range (°C)	-20 to +40
FAST cool button	Yes
Time control	Pulse, timed < 100 min or continuous
Time counting modes	Selectable, at set speed or from starting
RPM/RCF conversion	Yes
Noise level (dB)	≤ 56
ACC/DEC (step or time)	9/10 steps (17/17 sec)
Program memory	100
Parameters on display window	RPM (RCF), Oper Status, Lid Open/Close, Min:Sec, Temp, ACC, DEC

Dr C S Maiti
I/c Central Instrumentation Centre