

**UNIVERSITY OF NORTH BENGAL**  
**OFFICE OF THE REGISTRAR**  
Accredited by NAAC with Grade A



সমানো মূল্য সমিতি সমানী

**Quotation Notice**

Sealed quotations are invited from the reputed vendors/suppliers for purchase of “**Instruments/Items**” under the sanctioned SERB project (EEQ/2020/000079) in the Department of Chemistry, University of North Bengal, Darjeeling, 734013, for the year 2021-22 within ten (10) days. For details, visit [www.nbu.ac.in](http://www.nbu.ac.in)

**Advt. No. 01/R-2021 Dated: 25.06.2021**

**Registrar(Officiating)**

## **Notice: Specifications of Instruments (For The Statesman and University Website)**

### **QUOTATION NOTICE**

Sealed quotations are invited from the interested vendors/suppliers for purchase of the following **Instruments/items**(List attached) in the Department of Chemistry, University of North Bengal.

1. Work station with monitor
2. Spectrophotometer

All Quotations are to be submitted accompanying with GST & PAN photocopies, duly stamped and signed along with valid certificates as sole distributor/dealership, if applicable, to Dr. Bhaskar Biswas, Professor, Department of Chemistry, University of North Bengal, Darjeeling-734013 within ten days (10) days from the date of advertisement. For further query in this matter, please contact at 7003372248.

### **Terms and Condition:**

1. Copy of current year PT challan, Trade License, PAN card, GST registration certificate duly signed & stamped shall be accompanied with the technical bid documents. [Non Statutory Documents]
2. Rate should be inclusive of all taxes and charges. However, rate of GST and amount should be shown separately.
3. Quotation should be valid at least three months.
4. All the items are to be assured with warranty.
5. Supply shall be done within 15 days after issuing supply order.
6. Item(s) should be delivered in the Department of Chemistry, University of North Bengal.
7. All payment will be made as per financial Rules of the University of North Bengal.
8. Selection of the agency will be made on the basis of both technical and financial bids. The technical bid and the financial bid should be sealed by the bidder in separate cover duly superscribed and both the sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed. The technical bids will be opened by the office at the first instance and evaluated. At the second stage, financial bids of only the technically acceptable offers will be opened for furnishing value and ranking before finalization and awarding of the contract. After evaluation the highest rate of discount (H1) financial bid from among the technically qualified bidders will be accepted.
9. The University reserves the right to accept in part or in full or reject any or more quotation(s) without assigning any reason or cancel the tendering process and reject all quotations at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).
10. The last date for submission of the tender form is up to 05:30 P.M. of the ten (10<sup>th</sup>) day on and from the date of publication of the advertisement and will be opened on after two working days from stipulated time of the acceptance period at the office of the Head, Department of Chemistry, University of North Bengal.
11. For any clarification regarding tender please contact with the undersigned (Tel. No. 0353-2776381).

Registrar (Offg.)



		<p>Built-in Devices: USB 3.0 hub  Input Connectors: HDMI, VGA, DisplayPort  Connectivity / Interfaces: DisplayPort, VGA, HDMI, USB 3.0 upstream (Type B), 2 x USB 3.0 downstream (Type A), 2 x USB 2.0 downstream (Type A)  Cables Included: 1 x DisplayPort cable - DisplayPort to DisplayPort, 1 x SuperSpeed USB cable</p> <p>Display Position Adjustments: Height, pivot (rotation), swivel, tilt  Dimensions (WxDxH) - with stand: 53.78 cm x 16.6 cm x 35.61 cm  Environmental Standards: TCO Certified Displays 8, ENERGY STAR  Qualified Compliant Standards: Plug and Play, DDC/CI, RoHS, EDID compatible, DisplayPort 1.2  Manufacturer Warranty: 3-year</p> <p><b>External Storage:</b> 2TB external storage device (HDD)</p> <p><b>UPS Specifications</b>  Unit: Floor mount UPS with inbuilt isolation transformer and external battery bank  Power rating: 1kVA  Output power capacity: 800W  Input voltage and phase: 230V AC single phase  Input voltage range: 160 – 230V AC @ 60% load  Power factor: 0.99%  Current THD: &lt;10%  Battery: 36V (Battery bank with three (03) 12V 42 AH batteries with rack and connectors)  Battery charging: constant current &amp; constant voltage  Output: Preset 220/230/240V AC ±1%  Frequency: 50Hz ±0.1Hz  Frequency synchronization: 47.5 – 52.5Hz  Voltage THD: &lt;3% Linear load / &lt;5% Non-linear load  Efficiency: AC/AC (Overall efficiency): Up to 90%  Eco mode: Up to 97%  Overload capacity: 105 – 110%: 10min  111 – 130%: 1 min  Communication: RS232 / USB com / Optional intelligent slot (SNMP/MODBUS/Dry contacts)  Operating temperature: 0 - 40°C Continuous  Output terminals: 4×6A (India)  Additional features: Converter mode, Bypass mode (configurable), LCD display  Ingress protection: IP 20  Safety standard: EN 62040-1  EMI/EMC standard: EN 62040-2  Performance standard: IEC 62040-3  Certification: CE  Manufacturer Warranty: 2-year comprehensive on-site warranty</p>		
2.	Spectrophotometer	<p><b>Double beam UV-VIS spectrophotometer with standard software must be satisfying European Pharmacopoeia.</b></p> <p><b>System requirements:</b>  Optical system : True symmetrical double beam with independent two (02) detectors (for reference and sample)  Grating: Stigmatic concave diffraction grating  Wavelength range: 190 to 1100 nm  Wavelength accuracy : ±0.3nm (at 656.1, 486.0nm) or better  Spectral band pass: 1.5 nm or better  Stray light : 0.05% or less or better</p>	Any International Reputed Brand	1

	<p>Noise level: <math>\pm 0.00015</math> Abs or better  Baseline flatness: <math>\pm 0.0006</math> Abs or better  Baseline stability <math>0.0003</math> Abs/h or better  Wavelength setting repeatability : <math>\pm 0.1</math> nm or better  Photometric range : -3 to 3Abs 0 to 300%T or better  Photometric accuracy : <math>\pm 0.002</math> Abs <math>\pm 0.3\%</math>T or better  Photometric repeatability : <math>\pm 0.001</math> Abs (0 to 0.5Abs) or better Response modes: fast, standard, slow (or more)  Wavelength scan speed: variable, upto 3600 nm/min or more  Light source: Deuterium Lamp, Tungsten Iodide Lamp  Light source changeover: Automatic switchover interlocked with wavelength  Connectivity: Centronics interface and RS-232C interface</p> <p><b>Software function/application must include:</b>  Measurement modes: photometry, wavelength scan, time scan, multiple wavelength Ratio Measurement should be performed simultaneously at six (6) wavelengths at least. The software must support detection of peak/valley/tracing/scaling expansion / contraction/ smoothing / differentiation / area calculation / data saving and export to multiple format / validation function of spectral data, automatic curve fitting for Linear, quadratic, polygonal line, K factor input (may include other types as well), calculation of correlation coefficient, multiple concentration unit input, kinetic assay, output of spectra and fitted curves through printing hardware, automatic wavelength calibration, self-diagnosis, track record of lamp usage data.  System must be supplied with the following accessories with no extra cost.  Software to connect and run the instrument and perform the above mentioned activities</p> <p><b>Accessories for the instrument:</b>  One water circulated cell holder with inbuilt stirrer from reputed local source  One film sample holder  Two pairs of 3.5 ml UV-VIS Optiglass quartz cuvettes</p> <p><b>Pricing, warranty and installation:</b>  The bidder must quote the price of the instrument in foreign currency (country of origin)  Shipment details must be clearly mentioned  The quoted price of the instrument must be for CIP, Kolkata  Doorstep delivery of the instrument including all the accessories and software and complete installation must be free of cost.  The full system must be covered with comprehensive three (03) years warranty at no extra cost  The warranty must be counted from the date of complete and successful installation and demonstration.</p>		
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