



**North-Eastern Hill University**  
**Department of Biotechnology & Bioinformatics**  
**NEHU Campus, Shillong, 793022 (Meghalaya)**

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**Ref No: BT&BI/SM/SERB-000237/2017/004**

**Date: 15.03.2017**

**NOTICE INVITING TENDER**

Sealed quotations are invited from reputed manufacturers/ authorized dealers for supply of instruments for the DST-SERB funded project in the Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong. The instruments along with specifications are listed in the **Annexure-I**. The quotation should reach the undersigned by post on or before the **4<sup>th</sup> April, 2017 (up to 5:00 pm)**. Quotation received after the due date and time will not be entertained.

The undersigned reserves the right to accept or reject the tender without stating any reason whatsoever.

**Terms and Conditions:**

1. The supply should be completed within 30 days from the date of issue of supply.
2. The payment will be completed only after the installation of the instruments.
3. The instruments should be delivered and installed without any additional cost.
4. Users list should be attached along with the quotation.
5. The company should provide factory trained engineers for maintenance.

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**ANNEXURE-1**

| <b>Sl. No.</b> | <b>Instruments</b>       | <b>Specifications</b>   | <b>Quantity</b> |
|----------------|--------------------------|---|-----------------|
| 1              | UV-Vis Spectrophotometer | <ul style="list-style-type: none"><li>• UV-VIS spectrophotometer with standard software enabled automatic calibration and self-diagnostic function.</li></ul> <p>Optical system: Double Beam with 2 detector. Grating: stigmatic concave diffraction grating. It should be aberration-free bright optics grooving should be supported by ruling engine for permanent use.</p> <ul style="list-style-type: none"><li>• Wavelength range: 190 to 1100 nm.</li><li>• Wavelength scan speed: 10, 100, 200, 400, 800, 1200,2400, 3600 nm/min</li><li>• Light source: Deuterium Lamp, Tungsten Iodide Lamp, Light source changeover Automatic switchover interlocked with wavelength.</li><li>• Measurement mode: photometry, wavelength scan, time scan, multiple wavelength Ratio (260 / 280)</li><li>• Working curve type: Linear, quadratic, polygonal line, K factor input. Calculation of correlation coefficient. Concentration unit input. Kinetic assay. Spectrum and working curve printout. Spectrum display. Peak/valley detection/Tracing/Scale expansion/contraction/Smoothing. Differentiation. Area calculation. Fundamental arithmetic calculations between spectra. Data saving. Validation function. Automatic wavelength calibration. Lamp ignition time.</li><li>• System complete with: Suitable Computer with Printer. 2 nos. quartz cuvette, 3.5ml capacity</li></ul> | <b>1</b>        |
| 2              | Rotary Evaporator        | <ul style="list-style-type: none"><li>• Horizontally adjusted heating bath.</li><li>• Rotation speed : 50-250 rpm</li><li>• Ambient temp <math>\pm</math> 5°C - 180 ° C.</li><li>• Vertical condenser &amp; receiving flask fitted with non sticking quick release vapour tube for fast distillation.</li><li>• Water bath temperature range: 180°C</li><li>• Two stages vacuum pump</li><li>• High suction Chiller: Temp -10 to + 30°C</li></ul>   | <b>1</b>        |

|   |      |   |   |
|---|------|---|---|
|   |      | <ul style="list-style-type: none"> <li>• Digital controller.</li> <li>• Flow rate 6-15L/min</li> <li>• Receiving Flask (1000-2000 ml)</li> </ul>  |   |
| 3 | Oven | <ul style="list-style-type: none"> <li>• Double Walled Inside Aluminium/Stainless Steel.</li> <li>• Outside Made of Mild Steel duly power coated.</li> <li>• Heating Elements placed in Ribs at the bottom and sides.</li> <li>• Air Ventilators on Two Sides.</li> <li>• Controlled by Thermostat from Ambient Temp <math>\pm 0.5</math> °C to 250°C.</li> <li>• Preferable Size range (w x h x d in mm): from 455x455x605 to 605x605x910</li> <li>• Perforated Shelves Adjustable.</li> <li>• Air Circulating Fan</li> <li>• Optional (Automatic Timer Electronic or Mechanical)</li> </ul> | 1 |

**Quotation should be posted to:**

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