

Indian Institute of Technology - Kanpur
Department of Biological Sciences & Bioengineering

Enquiry Number: BSBE/IITK/NC/BA4, dated: 28/10//2013

Sub.: Inquiry for the supply of equipment “Microvolume UV-Vis spectrophotometer”.

Opening date: 28th October 2013 at 10:00 AM

Closing date: 5th November 2013 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited for the **microvolume UV-Vis spectrophotometer** as per the specifications given in the next page.

Your quote should mention/include the following:

- Maximum discount if any should be offered and mentioned.
- Quoted price should include the cost for installation, warranty and required accessories (see below).
- Validity of the quote at least for 90 days.
- FOB (indicating port of shipment) and CIF (New Delhi) values should be quoted separately if import is required. For quotes in INR, the price quote should be for delivery at Kanpur.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker’s name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- Users’ list with contact address in technical bid.

Note: Offers should quote for all accessories for the microvolume UV-Vis spectrophotometer (see next page for details).

The quote should reach the undersigned on or before 5 pm on or before 5th November 2013. The envelope should be marked as **“Microvolume UV-Vis spectrophotometer”**.

For any query, contact:

Dr. Bushra Ateeq
Department of Biological Sciences & Bioengineering
Indian Institute of Technology,
Kanpur 208016 (UP)

Essential components and features:

Item No. 1: Microvolume UV-Vis spectrophotometer - (Quantity 1)

Specification:

- Should not require any running/operational cost and should be free from any consumable: (Absolutely no Cuvettes or Capillaries or TIPS or Plates, Membrane format and cell adaptors).
- Light Source: pulsed Xenon flash lamp Xenon flash lamp.
- Detector: 2048-element linear silicon CCD array.
- Path Length should be 1mm (auto-ranging to 0.05 mm).
- Should be capable of measuring with - Sample microvolume – 0.5µl to 1ul.
- Sample Pedestal Material of Construction: 303 Stainless Steel & Quartz Fiber.
- Detection Limit: Upper limit - dsDNA 15000ng/µl; Lower limit - dsDNA 2ng/µl.
- Wavelength should range between 190 – 840 nm, with accuracy of 1nm.
- Absorbance Accuracy: 3% (at 0.74 Abs at 350 nm).
- Must have Spectral Resolution: <1.8 nm (FWHM at Hg 253.7 nm).
- Should have surface Retention System technology.
- 100% sample recovery with no contamination.
- Instrument must be approved to CE and UL/CSA standards.
- Only original Make will be accepted No cloned and China Make will not be entertained.
- Last five years Users list to and Minimum 5 customer's performance certificate to be provided.

Accessories:

- ***Licensed software (system diagnostics tool).***
- ***Software supporting :***
 - Nucleic Acids: dsDNA, ssDNA, RNA
 - Protein: Bradford, Lowry, BCA, BSA, IgG, Lysozyme.
 - Micro Array
 - Cell Culture
 - General Uv/Vis
- ***Power back-up UPS – (Quantity 1)***

A suitable online UPS with three hours of battery backup should be provided to support the equipment.

Warranty period (from date of installation): Minimum 3 years.