

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

Enquiry Number: BSBE/IG/NC/AK2, dated: 11/09/2013

Subject: Inquiry for the supply of Spectrophotometer with nano drop/ micro volume feature

Opening date: 11 September 2013 at 10:00 AM

Closing date: 18 September 2013 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited for the supply of spectrophotometer machine 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 60 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 components of this facility (see next page for details). Quotes that do not offer all components will be disqualified.

The quote should reach the undersigned on or before 5 pm on or before 18 September 2013. The envelope should be marked as “ Quote for *Spectrophotometer with nano drop/ micro volume feature* ”

The Head
Department of Biological Sciences & Bioengineering
Indian Institute of Technology,
Kanpur 208016 (UP)
For any query, contact Dr. Ashok Kumar.

Spectrophotometer with nano-drop/ micro volume facilities must possess the following specifications:

1. Light Source: Preferably Xenon but other combinations of light sources like Tungsten/ Deuterium/ Mercury Lamp for high efficiency in both UV and Visible regions with low maintenance costs.
2. Cuvette and Cuvette holder: Preferably compliant with different types and sizes of cuvettes.
3. Temperature Control: It is desirable that the device possesses temperature control features for temperature sensitive samples.
4. Light Scattering: Preferably, the device should be able to cancel the background transmittance caused by turbid liquids or solid particles.
5. Bandwidth: $< 3\text{nm}$
6. Preferred Scan Modes: Absorbance, %Transmittance and % Reflectance
7. Wavelength Range: 190 – 800 nm with an accuracy of $< \pm 3\text{nm}$
8. Sample Volume: 0.5 μl to 3ml
9. Device Controls: Touch or Buttons
10. Absorbance Range: 0-3.5 and above
11. Device access: The device should have the provisions for PC connection as well as printer and USB ports.
12. The device should be provided with appropriate cuvettes.
13. Should be provided with a PC Desktop workstation supplied with software for kinetics.
14. Automatic voltage stabilizer of desired capacity.

Important Note:

In case of non-availability of the specified machine with combined features of large and low volume spectrophotometer (as per above specifications), the firms can also quote for individual systems (a. Spectrophotometer for large volume, b. Nano drop/ micro volume spectrophotometer).

Warranty: Preferably Up to 3 years.