

Indian Institute of Technology Delhi Department of Chemical Engineering

Date: 31st July, 2011

Ref:

The Department of Chemical Engineering invites quotation for one UV-Visible Spectrophotometer with the following specifications.

- Should be PC controlled with double beam optical system.
- Should hold Deuterium Light source with monochromator.
- Should operate at wavelength range of 190 to 1100nm.
- Should be capable of measuring sample absorbance, transmittance, concentration, absorption spectrum.
- Should have wavelength accuracy $\leq \pm 1.5$ nm.
- Should have Spectral bandpass of ≤ 1.5 nm.
- Should have photometric accuracy of ± 0.002 Abs to ± 0.004 Abs
- Variable Scanning Speed $\geq 3,000$ nm/min
- Should have Photometric Range: $> \pm 3$ Abs
- Should have Wavelength Accuracy $\leq \pm 0.8$ nm
- Should operate at 100-240V, 50-60 Hz.
- Should have silicon photodiode detectors.
- Should have automatic wavelength calibration at start up.
- Should have integral display with graphical user interface.
- System should have built in applications software for wavelength scanning, standard curve, enzyme kinetics, substrate concentration, Multi wavelength equation entry.
- Should have integrated software for post run analysis with a PC.
- Clearly mention the **cuvette volumes** and providing the quartz/glass cuvettes along with it.
- **Warranty: A comprehensive on - site warranty for 3 years (including the spare parts and labor charges) should be provided.**

Terms and conditions

- The technical and commercial bids must be submitted in separate sealed envelopes subscribed with “**Technical Bid**” or “**Commercial Bid**” as appropriate. Both the technical and the commercial bids should be enclosed in an envelope subscribed “**Quotation for UV-Visible Spectrophotometer**” and should be submitted to the undersigned.
- The supplier must be an authorized dealer/distributor of the principal/manufacturer and should furnish an authorization certificate from the principal/manufacturer. Quotations without authorization certificate will be rejected.
- A copy of order enlisting the Indian agent with Department of Expenditure, Ministry of Finance should be enclosed.
- CIF New Delhi prices should be quoted with all the terms and conditions i.e. applicable taxes, installation, warranty and delivery schedule.
- Quotations must be valid for at least three months from the date of the NIQ.
- The supplier should provide a list of institutions in India with the details of the syringe pumps supplied and with the contact details of the institution/department.
- A special discount/rebate wherever admissible keeping in view that supplies are being made for educational purpose in respect of public institution of national importance may please be indicated.
- The institute reserves right to accept or reject any or all quotations without stating the reasons thereof.
- The quotations should reach Dr. Sanat Mohanty, Block-II, Room-273, Chemical Engineering Department, Indian Institute of Technology-Delhi, Hauz Khas, New Delhi 110016 latest by 5.00 pm on 24th August,2012

Dr. Sanat Mohanty,
Associate Professor,
Department of Chemical Engineering
Indian Institute of Technology
Hauz Khas, New Delhi 110016
Tel no.: 011 2659 1024