

**DEPARTMENT OF BIOCHEMICAL ENGINEERING AND BIOTECHNOLOGY**  
**INDIAN INSTITUTE OF TECHNOLOGY DELHI**  
**HAUZ KHAS, NEW DELHI – 110016**

**JULY 16, 2013**

**Subject: NIQ for UV-VISIBLE SPECTROPHOTOMETER in DBEB, IIT Delhi**

Sealed quotations are invited for supply of **1 (one) UV-Visible Spectrophotometer** in the DBEB, addressed to **Prof. G. P. Agarwal, DBEB, IIT Delhi** on or before **05.08.2013 by 5.00 P.M.** All the parties are requested to read the specifications given below carefully before submitting the quote. The quotation must include all taxes, handling, shipping and installation charges. Also all details of guarantee/warranty should be clearly mentioned. The Technical and Financial bids should be in separate sealed envelopes and both should be placed inside a large sealed envelope inscribed with “**Quotations for purchase of UV-Visible Spectrophotometer**”.

**Item Name:** UV-Visible Spectrophotometer

**Quantity:** 01 (One)

**Prof. G. P. Agarwal**  
(DBEB, IIT Delhi)

## **ESSENTIAL TECHNICAL SPECIFICATIONS**

**UV-Visible Spectrophotometer** with stand-alone operation or complete control through software based on Microsoft Windows (supplied as standard with the instrument) for PC control

- Wide wavelength range of 190 nm to 1,100 nm
- Optical Design : Double Beam with sample and reference cuvette positions;
- Czerny-Turner Monochromator or equivalent
- Light Source: Xenon Flash Lamp with atleast 3-year warranty on lamp
- Wavelength setting and display in steps of 0.1nm
- Wavelength accuracy of  $\pm 0.8$  nm or less
- Wavelength reproducibility of  $\pm 0.1$ nm
- Scan Speed <1 to 6000nm/min.; variable
- Wide Photometric range Range >3.5A
- High Photometric Accuracy of  $\pm 0.004$  Abs or less at 0.5 Abs
- Very low baseline drift of 0.0005 Abs/hour
- High baseline flatness of  $\pm 0.001$  Abs over entire wavelength
- Ultra low Photometric noise of < 0.00015 Abs
- Large sample compartment compatible with wide range of accessories
- Dimension: less than or equal to 24" (L)  $\times$  20" (W) (Compact design with small footprint preferable)
- 2 or more USB ports for high speed PC and printer connectivity, data storage and transfer through USB pen drive
- Built in validation program, diagnostic and security functions. All operational modes as standard – Photometric; Spectrum; Quantitation; Kinetics, Time Scan, DNA and Protein Quantitation in stand-alone and PC mode.
- Data should be read with commercial spreadsheet software.
- 1 pairs of quartz cuvette of 10 mm path length, 0.7 and 1.4 ml volume each to be supplied as standard.
- Data Station – Branded PC with i5 processor and LCD monitor (All-in-One preferable) and LaserJet printer.

### **OPTIONAL ACCESSORY**

(i) **MULTI CELL SAMPLE COMPARTMENT**

- Should hold upto six 10 mm square cells & one for reference without temperature control facility

## **NECESSARY TERMS AND CONDITIONS**

1. IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or fully) and necessary "Custom Duty Exemption Certificate" can be issued after providing following information.
  - a. Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
  - b. Forwarder details i.e. Name, Contact No., etc.

Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute and Bills of Entry should be submitted to IIT Delhi later on.

2. Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
3. If the bidder is an authorized dealer of any manufacturer, the authorized Indian dealership certificate from the principles should be enclosed. Similarly, proprietary certificate for proprietary items should be provided.
4. IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required. a. Quotation with details of Basic Price, Rate & Amount on which ED is applicable.
5. Please quote prices of imported items at FOB (Freight on Board) IIT Delhi inclusive of all taxes, freight, delivery, installation and onsite training charges. The quotation should provide the total price of the system including all taxes and transportation charges.
6. In case IIT Delhi is imposed with demurrage charge due to import on CIF, the entire demurrage charge has to be borne by the Indian Agent of foreign supplier.
7. 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.
8. Payment Options -- Against Delivery: Payment by wire transfer after receipt and installation of material.
9. Delivery period: within 1 month from the issue of supply order.
10. Warranty: at least 2 years comprehensive onsite warranty should be provided. AMC price beyond 2 years should be mentioned separately.
11. The quotations must have validity of at least three months.
12. Authority of IIT Delhi reserves the right to reject any or all quotations without assigning any reasons.