

Technical and price bids are invited for the purchase of a Spectrofluorimeter as per minimum specifications, terms and conditions given below.

Minimum Specifications for Spectrofluorimeter:

1. The system should be computer controlled with Automatic Polarizer.
2. The system should be able to measure fluorescence, phosphorescence, chemiluminescence and bioluminescence.
3. Pulsed Xenon lamp source; power equivalent to 15kW or more.
4. Single grating excitation and emission monochromator.
Monochromator range: Excitation: 200-800 nm or better
Emission: 200-650 nm or better
Excitation Filters: Should have cut-off filters.
Emission Filters : Should have emission filters.
5. Wave length Range : 200-800 nm or better.
Wave length Accuracy : Min 1 nm.
Wave length Reproducibility : Min +0.5 nm.
Sensitivity : Min 730:1 RMS on peak.
6. Rectangular sample compartment with excitation reference detector.
7. Spacious sample chamber to allow use of a wide variety of samples.
8. Ability to measure small volume samples as well as large, odd sized samples too.
9. Necessary electronics/ accessories and user friendly software to attach to the serial port of compatible PC. Software should have kinetic , DNA/RNA & protein estimation, scan, time drive wavelength program data collection modes and 3D view.
10. N2 purging facility to remove moisture.
11. Bio-kinetic Accessory for Anisotropy/ Protein Folding/ unfolding and DNA Melting applications.
12. Instrument should be upgradable to the Peltier system in the future.

13. Compatible PC with dual core, 500 GB HDD, Flat Screen Monitor, Optical Mouse, pre loaded Windows XP/Vista Software with Color Printer.
14. Online UPS: with Matching KVA and minimum 30 min battery back up.
15. Two years warranty for the system to be included in the proforma invoice

Terms & Conditions:

1. The quotations must have validity of at least three months.
2. Quotation must include insurance and air-freight charges, delivery period of the items addresses to The Indian Institute of Technology, Delhi, India(CIF, New Delhi).
3. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.
4. Detailed Brochures should accompany the offer.
5. If the bidder is an authorized dealer then the authorized Indian dealership certificate from the principles should be enclosed.
6. Warranty details must be given.
7. Payment will be through irrevocable letter of Credit.
8. In case the items are proprietary products of the company, a proprietary item certificate stating the same must be provided.
9. Training should be provided.
10. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.

The technical and price bids should be kept in separate sealed cover marked as “technical” and “price bids” on the top of the envelopes. Both the envelopes should be kept inside a bigger envelope marked as **Bids for Spectrofluorimeter**. The bids should be sent to Dr. S.K.Khare, Chemistry Dept. IIT Delhi, Hauz-Khas, New Delhi-110016 latest by Sept. 26, 2011, 5.00 PM.

Prof. A. K. Singh (Chairman)

Dr. S.K. Khare (PI).