

January 20, 2012

NIQ for one UV-Visible Spectrophotometer

Sealed quotations are invited for the supply of UV-Visible Spectrophotometer in the Department of Biochemical Engineering and Biotechnology. The technical specifications for the UV-Visible Spectrophotometer are given below.

Specifications:-

- It should be compact and useful for molecular biology, cell biology and biochemical methods
 - It should have a xenon flash lamp as light source
 - It should have Holographic aberration-corrected concave grating and CMOS photodiode array detector
 - The wavelength range should be 200-830nm
 - Spectral bandwidth should be >4nm
 - Wavelength increment should be 1nm
 - The systematic wavelength error should be ± 1 nm and random wavelength error should be ≤ 0.5 nm
 - Photometric measuring range should be 0.0 to 3.0A at 260nm
 - Photometric reading accuracy should be $\Delta A = 0.001$
 - Random photometric error should be ≤ 0.002 at $A=0$, ≤ 0.005 (0.5%) at $A=1$ and systematic photometric error should be 1% at $A=1$
 - The stray light component should be $< 0.05\%$
 - The height of light beam in the cuvette should be 8.5mm and the diameter of light beam in the cuvette should be 1mm
 - It should accommodate plastic disposable and standard quartz cuvette
 - The detection limit for dsDNA should be 5ng/ μ L to 3750ng/ μ L
 - Multi wavelength measurements should be possible upto 6 wavelegths with Abs and scan data.
 - It should have a 5.7" VGA TFT display.
 - It should have a memory for storing >100 method programs and >1000 results with data
 - It should have USB connecting ports for stick and PC
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- UPS for running the instrument for 2 hours should be quoted.
 - Disposable cuvettes should be quoted as optional.

Terms and conditions:

1. A minimum of 2 year warranty and one year free AMC.

General instructions:

1. Letter from the manufacturer specifically to quote for this tender is to be attached for authenticity of dealership/ agency and the dealer should be authorized service provider.
2. Vendor should get a fresh certificate directly from their product principal's clearly mentioning about warranty for two years of the systems to be delivered.
3. Special discount/ rebate wherever admissible keeping in view that the supplies made for educational purposes in respect of the public institution of national importance may please be indicated.
4. Vendors should attach the relevant product brochures for the model quoted.
5. Validity of the quotation should be at least three months.
6. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
7. Taxes, terms and conditions should be clearly mentioned.
8. In the case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
9. Specifications form should be similar to the given specifications sheet.
10. A compliance statement for required specifications should be attached.
11. Payment terms and conditions should be clearly mentioned. No advance payment is encouraged by IIT Delhi.
12. Firm MUST provide a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines. This statement must be signed by the tendered for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the tender. The quotation should be complete in all respects
(as per IIT-Delhi rules). The rate should be quoted F.O.R Destination (IIT, Delhi) in Indian rupees only.

The Institute/ purchase committee has the right to accept or reject any bid or all quotations without assigning any reason whatsoever.

Sealed quotations in separate envelopes of Technical and Commercial bids kept in one sealed outer envelope (super-scribed "Quotation for UV-Visible Spectrophotometer") should be addressed to **Dr. Preeti Srivastava, Department of Biochemical Engineering and Biotechnology, IIT-Delhi, Hauz**

Khas, New Delhi 110016 and should reach the Department of Biochemical Engineering and Biotechnology, IIT-Delhi by 1200 hrs by February 10th, 2012.