

February 18, 2013

NIQ for Upright Fluorescence microscope with DIC and optical sectioning capability

Sealed quotations are invited for the supply of an **Upright Fluorescence microscope with DIC and optical sectioning capability** to the Department of Biochemical Engineering and Biotechnology. The technical specifications for the Upright Fluorescence microscope with DIC and optical sectioning capability are given below.

Required Specifications:

1. Fully motorized upright fluorescence microscope with DIC and optical sectioning capability and the following features
2. Motorized Z-drive with step size of 25 nm or smaller.
3. Motorized X-Y stage with heating to 50°C or higher.
4. Motorized 6-position nosepiece for accommodating objectives.
5. Motorized condenser with Bright Field, Dark Field, Phase contrast and DIC settings.
9. Plan Apochromate objectives: 100x oil immersion, phase contrast, DIC N.A:1.40, 100x oil immersion, phase contrast, N.A:1.40, 40X phase contrast, 20X phase contrast.
11. 10x adjustable eyepieces.
12. Excitation and emission filter sets for: eGFP, YFP, dsRED, mCherry, DAPI.
13. Upgradability to laser excitation.
14. Structured illumination optical sectioning module.
15. Peltier cooled scientific monochrome CCD Camera with 1.4 Mega-pixel or more and at least 12 Bit.
16. Computer workstation with at least 4 GB Ram and 1 TB HDD with TFT of at least 22 inches for control of microscope.
17. UPS for backup of 30 minutes or longer.
18. Software for microscope operation with graphical interface, specifically allowing control of multichannel fluorescence imaging, Z-Stack imaging and time lapse imaging.
19. Software for particle tracking, rendering and 3D visualization of optical section.
20. Anti-vibration table/pads

Terms and conditions:

1. Comprehensive Warranty (Labour and parts) should be 2 years.

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 principals, clearly mentioning warranty for two years of the systems to be delivered. The lowest quotation however, does not depend upon the warranty period.
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 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 **Upright Fluorescence Microscope with DIC and optical sectioning capability**”) 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 12:00 hrs by March 11th, 2013.**