

Enquiry No: IITK/CHE/SG/2013-14/01 dated 26.08.2013

Sub: Call for quotation for “Trinocular Inverted Microscope (brightfield, phase contrast) with Digital Camera and Image Analysis Software”

Sealed quotations are invited for purchase of *Trinocular Inverted Microscope (brightfield, phase contrast) with Camera and Image Analysis Software* : A complete solution for brightfield, phase contrast observation with a set of 4 objectives (4x and 40x for brightfield; 10X, and 20X for phase contrast) for Microbiology and Cell Culture facility with ***provision to attach fluorescent facility in future.***

Minimum specification

Optical system : Infinity corrected system, preferably 45 mm or more parfocality distance.

Head : Trinocular: 30° inclined, 360° rotating. Adjustable dioptric compensation. Ergonomic height compensation.

Eyepieces : Extra-wide field 10x/22mm, high-point.

Nosepiece : 5 positions, with bidirectional rotation on ball bearings and click stop.

Objectives : Long working distance (LWD) infinity corrected (IOS) planachromatic: 4x/0.10 (working distance 18 mm), phase contrast 10x/0.25 (working distance 10 mm), phase contrast 20x/0.40 (working distance 5.1mm), 40x/0.60 (working distance 2.6 mm), corrected for 1.2 mm cover glass.

Specimen stage : Size: 250 x 230 mm. Translator with lowered ergonomic coaxial controls.

X-Y translation: 119 x 70 mm. Interchangeable metallic inserts for specimen slides, Petri dishes and flasks.

Focusing system : Macro and micrometric regulation, with coaxial knobs on both sides of the stand. Adjustable tension.

Condenser : Long working distance condenser, numerical aperture 0.30, working distance 72 mm. The condenser should be removable in order to increase the working distance to 150 mm.

Illumination system: LED with 50,000 hr or more life span, with adjustable intensity, filter and phase ring holder and aperture diaphragm.

Digital Camera and software: Digital camera and software capable of handling brightfield, fluorescence, DIC, darkfield images.

The complete product should have a minimum of two year warranty from the time of installation. The deadline for submission of quotations is **September, 03, 2013 at 5:00 pm.**

Other Terms and Conditions:

- Quote should be made in two separate parts: Technical bid and financial bid in a sealed envelope.
- Financial bid for products whose technical bid is not acceptable will not be opened.
- If the financial bid is included in the technical bid then quotation will be rejected.
- The sealed envelopes with the quotes should be super scribed mentioning whether it is technical or financial bid.
- Taxes, packaging, forwarding freight charges, if any should be clearly mentioned.

- Quotation should have a validity of a minimum of 90 days with complete technical details of the product(s).
- Warranty should be mentioned.
- ***Maximum educational discount, if any, should be offered.***
- All quotations should be in the currency of the country of origin of the instrument and CIF, Delhi for imported items. If quote is in INR, it should be FOR IIT Kanpur.
- Quotation should carry proper certifications like Authorization, Proprietary Certificate etc.
- ***Institute is exempted for payment of Excise Duty under notification no. 10/97.***
- The institute reserves the right for accepting and rejecting any quotations without assigning any reason thereof.

The sealed quotations should reach the undersigned by post/courier latest by September 03, 2013.

(Dr. Sanjeev Garg)
Associate Professor
Department of Chemical Engineering
I. I. T. Kanpur
Kanpur UP 208016