

October 11, 2012

NIQ for Microscope

Sealed quotations are invited for supply of a trinocular inverted microscope with scientific grade camera in the Department of Biochemical Engineering and Biotechnology. The essential technical specifications for the microscope with camera are given below.

Essential Specifications:

	Trinocular Inverted Microscope with Brightfield and Phase Contrast Microscopy with Digital Camera Attachment
OPTICAL SYSTEM	CFI 60 INFINITY SYSTEM, PARFOCAL DISTANCE 60MM.
APPLICATION	BRIGHTFIELD, APODIZED PHASE CONTRAST AND SHOULD BE UPGRADBLE WITH EPI FLUORESCENCE & NAMC (3D TYPE) IN FUTURE.
FOCUSING	VERTICAL OBJECTIVE MOVEMENT.COARSE STROKE: 30-40MM PER ROTATION, FINE STROKE 0.1-0.3MM PER ROTATION.
EYEPIECE TUBE	SIEDENTOPF-TYPE TRINOCULAR TUBE (Light distribution, bino/photo: 100/0, 0/100)
NOSEPIECE	QUINTUPLE NOSEPIECE, BACKWARD-FACING TYPE.
STAGE	MECHANICAL STAGE (RECTANGULAR), CERAMIC COATED. MINIMUM SIZE AS BELOW: STAGE SIZE: 170X225MM, STAGE HEIGHT: 195MM FROM TABLE. STAGE MOVEMENT: 126X80MM
ILLUMINATION	PRECENTERED HIGH INTENSITY WHITE LED ILLUMINATOR WITH BUILT IN FLE EYE LENS FOR ECO-ILLUMINATION WITH MINIMUM LIFE TIME OF 50,000 HRS/100WATTS
STAGE.	ACCEPTS SEVERAL MICRO-TESTPLATE HOLDERS.
HOLDER	UNIVERSAL HOLDER TO ACCEPT ALL TYPES OF SPECIMEN HOLDERS WITH TRANSPARENT STAGE RING.
FILTER	GIF (Green interference)
EYEPIECE LENS	C-W 10X (F.O.V 22mm) WITH BOTH SIDE DIOPTER ADJUSTMENTS.
CONDENSER	ELWD CONDENSER WITH NON CENTRABLE PHASE SLIDER AND PHASE RINGS PHL, PH-1 & 1 EMPTY POSITION
OBJECTIVES	The objectives should be capable for Brightfield and Apodized Phase Contrast:-
	CFI Achromat Flat Field 4x, N.A 0.10 W.D 30.0mm
	CFI Achromat ADL 10X, N.A 0.25 W.D 6.2mm PH1
	CFI Achromat LWD ADL 20XF, N.A 0.4, W.D 3.1mm PH1.
	CFI Achromat LWD ADL 40XF, N.A 0.55, W.D 2.1mm PH1.

	Scientific Grade CMOS Camera
SENSOR	1/ 2" CMOS, 5.0 Megapixels
RESOLUTION	2048 X 1563
PIXELS SIZE	3.2um X 3.2um
FRAME RATE	12fps & 30fps
SHUTTER	ELECTRONIC
S/N RATIO	43 DB
SCANNING MODE	PROGRESSIVE SCANNING
DATA INTERFACE	USB2.0
SOFTWARE	DISPLAY/FILM/VIDEO
SOFTWARE	Software for Preview and Capturing, Dynamic measuring Image mosaic, Software count, Image enhancement, Video recording
Warranty	Three Year Warranty

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 three years of the equipment to be delivered from the date of installation.
3. The lowest quotation however, does not depend upon the warranty period.
4. Validity of the quotation should be at least three months. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
5. Taxes, terms and conditions should be clearly mentioned.
6. In the case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
7. Specifications form should be similar to the given specifications sheet.
8. A compliance statement for required specifications should be attached.
9. Payment terms and conditions should be clearly mentioned. No advance payment is encouraged by IIT Delhi.
10. 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, with the company seal, 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 Microscope”) should be addressed to **Dr. Ritu Kulshreshtha, 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 on **October 29 , 2012**.

.