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29 MAY 2013

Ref.: IITK/PHY/SAR/07MAY2013/NCON-1 dated 07 May 2013

Sir / Madam,

The last date for this tender has been extended until 16th June 2013.

We invite sealed quotations for an **Inverted Microscope** with the following specifications or better. Kindly send the quotations to reach me on or before 16th June, 2013.

Minimum Specifications required of the Microscope

- Inverted Microscope for reflected light compatible with an external laser source illumination at 532 nm and 1064 nm from the backport.
(Do not quote for the lasers or illumination lamp)
- Conventional cube holders for bright field imaging and dichroic mirrors.
- Nominal best resolution ~ 380 nm (spot/line resolution between two closely spaced objects)
- Binocular phototube at 30 degrees for viewing with a trinocular port for camera / spectral output
- Eyepiece 10X (2 No.s)
- Trinocular Output can be coupled with fiber-optical coupler (for example SME coupler)
- Six position revolving nosepiece
- Objective: 5X, 20X, 50X and 100X (oil / water immersion lens). 100X and 50X should have large Numerical apertures. 100 X should have 1.3 N.A. and working distance of upto 200 micrometers.
- Coarse and fine focusing knobs with minimum fine focus gradation of 1 μ m, and upper limit stopper.
- Sample holder stage with manual XY drive (50 mm X 50 mm) and rotation capability.
Sample stage should be compatible with external 3D piezo stage to be attached for nano-motion of the sample.

Quote with a separate option for the following parts.

- Optional dark field objective cube
- Optional detachable source & condenser (bright field and dark-field) for trans-illumination with 100W halogen lamp with power supply.
- Optional phase contrast imaging arrangement
- Optional inexpensive camera for imaging with coupler to trinocular

Entire setup should work with standard 220-240 V inputs.

Please note the following essential points while preparing the quotation.

The specified numbers for various parameters above are guidelines and can vary for the quoted systems by utmost 10% from those specified here.

Quote should be made in two parts: Technical bid and Financial bid separately in sealed envelopes. Financial bids for products whose technical bid is not acceptable will not be opened. Any quote where the financial bid is included in the technical bid will be summarily rejected.

The sealed envelopes with the quotes should be superscribed with the Inquiry number and whether it is a technical or financial bid.

Any technical bid wherein only the above specified points are copied and no details about the suppliers own system are given will be summarily rejected. The supplier should necessarily give all the specifications of their own system with pictures and technical literature about their system.

If the product is proprietary, a proper certification to that effect must be made.

Authorization certificate from the Principal manufacturer should accompany the technical bid.

Firms submitting acceptable technical bids may be invited to make a technical presentation on the product to the Purchase committee in case technical clarifications are required before opening of the financial bids. The committee may choose to reject the bids of firms not making the presentation at its discretion.

Quotes should be made with options for the following delivery modes

- Ex-works for pickup by our Institute transport provider
- FOB/FCA in country of origin
- CIF, New Delhi
- For delivery to IIT Kanpur

Maximum educational discounts should be applied – apart from research, this equipment will be used to teach and train students.

Quotes should have a minimum validity of 60 days

Address the quotations to

Prof. S. Anantha Ramakrishna
Department of Physics
Indian Institute of Technology Kanpur
Kanpur – 208016 India.

so as to reach us before the last date, i.e., 16th June 2013

Sincerely
S. Anantha Ramakrishna