

Sub: Purchase of MICROSCOPE

Dear Sir:

We are interested in purchase of MICROSCOPE with the specifications mentioned below. Please send sealed quotations for the same to:

Prof. J Ramkumar
Mechanical Engineering
Indian Institute of Technology
Kanpur 208 016

Specifications for MICROSCOPE

Upright industrial/metallurgical microscope for high fidelity imaging of opaque and transparent samples, with trinocular port, 1X, having a c-mount adapter for a camera

Modes: Reflection and transmission

Imaging: Bright field and dark field with slots for DIC

Objectives: Achromatic, 5X, 10X, 20X, 50X, 100X (or nearest magnification)
Nominal resolution at 100X should be $\approx 0.4\mu\text{m}$

Eyepiece: Binocular, 10X, one with cross lines, focusable

Polarizers: Slots for inserting sliders for polarizers and analyzers (for later upgradation)

Filters: Filter sliders with slots for 6 filters required for both reflection and transmission with at least 2 ND filters and 1 daylight-balanced filter

Stage: Fine motion XYZ stage with Z-axis resolution of $1\mu\text{m}$

Illumination: Halogen lamps (greater than or equal to 50 W) with stabilized power supplies to work with standard 220/240V 50Hz input

Safety: Microscope should be equipped with UV and IR filters to make it eye-safe

Note:

- All optical elements should be infinity corrected
- Quote separately for ex-works, FOB to a specified port in the country of origin and delivery to IITK
- The envelope must be inscribed with word "Quotations for MICROSCOPE" and should be packed with technical and financial details in separate envelopes

- Send complete details of the products
- Mention discount for educational institutes
- Send a proprietary certificate if this is a proprietary item of your company
- Include authorization from the principals for the agent/representatives
- All quotations must reach by **May 23, 2012**, at or before 1600 hrs.
- The quotation must be valid for 60 days
- The delivery period should not be more than 4 weeks
- Payment terms: 90% on installation, 10% after satisfactory report