



पदार्थ विज्ञान एवं अभियांत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान कानपुर
Department of Materials Science and Engineering
Indian Institute of Technology Kanpur
कानपुर - 208 016 Kanpur-208 016

Request for Quotation of Equipment

Enquiry Letter

Enquiry Date: Jul. 24, 2012

Equipment: Metallurgical Microscope with Digital Microscope and Quantification Software

Enquiry Number: **ONRG /MET /20120025/ MM**

Last Date: Aug. 3, 2012

Specifications:

- (i) Microscope:
Inverted trinocular metallurgy, Trinocular Head
Objective: 10x, 20x, 40x or 50x, 100x
Eyepiece: 10x
Filter: Inserting type filter (green, blue, Yellow) + Polarizer (in/out)
Focusing: Coaxial coarse & fine focusing adjustment With rack and pinion mechanism Fine focusing scale value 0.002mm
Light Source: With aperture iris diaphragm and Field diaphragm, Halogen lamp 12V/20W, AC85V-230V, Adjustable Brightness.
Stage: Double layer mechanical stage (min 130mm x 130 mm)
Calibration: Standard calibration reticule
- (ii) Digital Camera: Min. 3 MP, 30 fps. Connected to the microscope with PC interface
- (iii) Quantification software: For quantification (such as counts, grain size, volume fraction, size and shape analysis (with histograms), orientation, etc).
- (iv) Standard make PC: 4 GB Ram, 2.8 GHz or better, 500 GB hard-disk. (For observing live images and storing the image files). As interface between camera and Microscope.

Guarantee Period: 2 years

Please send your quotations in a sealed envelope by Aug. 03, 2012 to:

Dr. Kantesh Balani

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