

**Department of Aerospace Engineering
Indian Institute of Technology Kanpur
Kanpur – 208016**

Letter no.: AE/ACECOST/CSU/2012-02

To:

M/s :

Sub : Quotation for supply of “**High resolution optical microscope**”

Sir / Madam:

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover in order to reach us before 24th May, 2012, as per the format available on the website mentioned below. Soft-copy of the model quotations (for both indigenous and imported items) are available on the website: www.iitk.ac.in/dord. The detailed specifications of the equipment are given below.

With best regards.

Sincerely,

(C.S. Upadhyay)

Detailed specifications of the desired Optical (reflected light) Microscope:

Specific Application: Examination of damaged and undamaged surfaces of composite systems.

Composite material systems: Carbon, Glass fiber + epoxy

Desired attributes: Resolution of phenomenon at length-scale of 2-5 μ m.

Desired specifications of the equipment:

Reflected light microscope; upright; 50X-1000X magnification; adjustable height and focus adjustment; infinity corrected and harmonic compensated; reflector BF for brightfield; focusable and adjustable eye-piece (10x/22); high resolution plan achromat universal objective set; high-resolution digital fire-wire scientific camera system; software for PC; PCI interface card; image analyzer software for feature extraction (size, image comparison, orientation, etc).

Note:

- (a) All accessories required for the system to be ready-to-use on installation, should be provided.
- (b) Maintenance and training to be provided should also be clearly listed.

Model quotations (form 603 or 608) for import or indigenous products can be downloaded from <http://www.iitk.ac.in/dord/> site.