

Dr. Madivala G. Basavaraj
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Polymer Engineering and Colloid Science Lab
151 Humanities and Sciences Block (HSB)
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Chennai-600 036, INDIA

Form for Inviting Quotations

Ref. No. CH/BMG/2015-16/OM/DST_NEW

Date: 17-08-2016

Subject: Supply and Installation of equipment for lab use by Indian Institute of Technology Madras
Quotation Due Date: 07-09-2016, 5 pm.

Dear Sir/Madam:

Quotations are invited for supply and installation of the equipment as per details in Annexure-I under the following terms and conditions.

Terms and Conditions (Foreign Vendors/Suppliers):

1. The total amount indicated is Ex. Works / FOB / CIF. Madras Value.
2. The consignment to be addressed to **Dr. Madivala G. Basavaraj, Polymer Engineering and Colloid Science Lab, 151 Humanities and Sciences Block (HSB), Department of Chemical Engineering, IIT Madras, Chennai - 600 036, India.**
3. The consignment to be dispatched by surface / Air Post Parcel / Ocean Freight / Air Freight.
4. Please send three advance copies of Invoice direct to us immediately after dispatch to avoid delay in clearance. DEMURRAGE CHARGES, IF ANY, PAYABLE ON ACCOUNT OF DELAY IN RECEIPT OF ADVANCE COPIES OF INVOICE WILL BE DEBITED TO YOUR ACCOUNT.
5. The following set of documents is required in all cases:
 - a. Complete set of Clean Bill of Lading / Airway Bill / Air or surface Parcel Receipt, showing that the goods have been shipped and freight prepaid.
 - b. Insurance Policies / Certificates in duplicate covering Marine Insurance as per Institute Cargo Clauses (All risks) and perils as per Institute Strikes, Riots and Civil Commotion Clauses, War risks as per Institute, Clauses. Cover for CIF value plus 10 percent.

General Terms and Conditions:

1. The Quotations duly sealed super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
2. The quotations are invited as two-bid system i.e., technical bid and financial bid.
3. The Quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.

4. If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expense.
6. Local Firms: Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
7. Firms outside Madras: Quotations should be for F.O.R. Madras. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
8. The rate of sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever. The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to non-Government Educational Institutions run with no profit motive for which a concession. Sales Tax Certificate will be issued at the time of final settlement of the bill.
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.

ANNEXURE-I

TECHNICAL SPECIFICATIONS FOR PURCHASE OF RESEARCH MICROSCOPE WITH REFLECTED AND TRANSMITTED ILLUMINATION

Sl. No.	Basic	Description
1	Stage	Stage with minimum X-Y dimensions of minimum 5 cm x 5cm and capable of holding sample of minimum 3 cm in height or above. Stage should consist of right hand stage holder with refocusing mechanism.
2	Eyepiece	10x with diopter adjustment – sidentopf type
3	Objective	Long distance - 10x, 20x, 50x and 100x magnification
4	Illuminator	Illuminator with Brightfield, Darkfield, Polarizing, Fluorescence and DIC Capability Both Reflected and Transmitted modes should be available. 12V, 100W Halogen Lamp for both reflected and transmitted with at least 2 year service life. If not 2 year then provide additional lamp. The System should be extendable to DIC, Fluoresce and Phase contrast – please include this in technical and price bid as an option

5	Nosepieces	High-durability motorized quintuple universal nosepiece capable of holding 6 objectives at a time.
6	Condenser	LWD achromat condensor, LV-CUD U condensor
7	Orthoscopic	The unit must be able to perform orthoscopic or conoscopic observations
8	Camera	Color CMOS sensor / Size: 36.0×23.9mm, at least 15 MP Camera, High Density CCD Chip, Networking Facility, Software for Capturing Images and Videos, Storing. Video capturing should have a minimum speed of 6 frames/second at the highest resolution and up to at least 40 frames/second at 3×3 pixel averaging. If the specification of the camera do not match with our requirement, we will consider the next best available option.
9	Image Analysis Software	Software capable of handling Multi-point experiments, Image Stitching, Image filtering, Auto-measurement and Report Generation
10	Polarization	Simple Polarisation capable of distinguishing the crystalline and amorphous phases.
11	Data Processing System	Data Processing system i3 Intel processor, 500GB HDD, 18.5" LED Monitor, DVD Writer, 2GB RAM and Printer
12	Hot Stage	A hot stage compatible with the microscope with the capability of imaging samples over a range of temperatures from approximately -196 to 350 Deg C .
13	Orthoscopic	The unit must be able to perform orthoscopic or conoscopic observations
14	Computer	Computer having a minimum of 8GB RAM and 2 GB Graphics Card with i3 or i5 processor along with at least 21 inch monitor.

Thank you.

Sincerely,

Dr. Madivala G. Basavaraj
Department of Chemical Engineering (IIT Madras)