

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032

TENDER NOTICE

NIT No. : IACS / PSU / Prof. S. Ghosh / 2016-17 /34

Date:24/08/2016

Sealed tender in two bids system (technical bid and price bid) is invited from bonafide, resourceful, and eligible manufacturer/exclusive distributor/vendors for an **Inverted Fluorscence microscope with CCD camera attachment.**

Part-I (Technical Bid) of the tender should contain technical specifications in detail as well as commercial terms and conditions. Part-II (Price Bid) should clearly indicate group-wise price, if needed, as mentioned in the technical bid. The Technical Bid and Price Bid are to be submitted in separately sealed envelopes, distinctly marked accordingly and both to be put inside another envelop, that should be sealed and superscribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads.

Completed tender bids should reach the office of **Polymer Science Unit, Indian Association for the Cultivation of Science (IACS), 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata-700032** on or before the scheduled date and time specified below:

Tender Notice No.	IACS / PSU / Prof. S. Ghosh / 2016-17 /34 Date:24/08/2016
Last date and time of submitting tender	26/09/2016 upto 2.00pm
Pre-bid meeting to discuss technical specification	16/09/2016 at A.K. Roy Choudhury Hall at 4.00 PM
Date and time of opening of Technical bids	26/09/2016 at 4.00PM
Place of opening tender	At A.K. Roy Choudhury Hall
Date & Time of opening of Price bid	The Price Bids of the bidders qualifying the technical bid will only be opened, the date of which will be intimated to the short-listed bidders at their email addresses. The rest of the bids will be rejected.
Contact	Email: psusg2@iacs.res.in Tel.+91 33 2473 4971 [Ext. 1563]

The technical bids will be opened first to judge/evaluate the technical specifications of the said instrument and thereafter the price bids of only technically qualified bidders will be opened.

Technical Bid Evaluation: The Technical Bids will be evaluated in the presence of the representatives of intending bidders who will be able to clarify technical aspects of their bids, if any, required by the Technical Evaluation Team.

Opening of price-bid: The Price Bids of the bidders qualifying the technical bid will only be opened, the date of which will be intimated to the short-listed bidders at their email addresses. The rest of the bids will be rejected.

Please note that IACS will not provide any accommodation or reimburse any expenses to any of the bidders for attending opening of technical bid.

1. TECHNICAL BID

The technical bid should contain technical specifications and should be kept in a separate sealed envelope duly super scribed as 'TECHNICAL BID' on the outer cover of the envelop as already detailed above. It should be clearly mentioned on the envelope as "Technical Specification for **Inverted Fluorscence microscope with CCD camera attachment**."

Specification for inverted Fluorscence microscope with CCD camera attachment

Microscope Frame:

Frame with high static rigidity, waterproof construction to help block penetration of water inside the frame. the frame should be compact making it easy to fit in any work environment. Frontal Controls for Light path selector **0:100/50:50/100:0**, Transmitted light Intensity control, and light ON/OFF switch. The frame should come with Sextuple Coded or motorized revolving nosepiece with DIC for objective. & focus adjustment.

Transmitted light: 100W transmitted light illumination pillar having tilt Mechanism, condenser holder, adjustable field iris Diaphragm & with 4 filter holder.

Observation tube: Binocular observation tube, having Diopter adjustment.

Eyepiece: 10X eyepiece having **F.N. 22 or better** with Diopter Adjustment.

Mechanical Stage: mechanical X &Y Stage, Long Ergo Handel along with the holders for Petri Dish Slide and Well Plate.

Condenser: Long working distance front operation condenser with (N.A.0.55/W.D.27mm) Five posisation for Phase ,and DIC application.

Objectives:

Plan achromatic phase objective 10X, NA 0.25, WD 10 or better, Long working distance 20X phase objective, NA 0.40. Long working distance plan Fluorite phase objective 40X, NA 0.6, WD 3.0-4.2 (c.c.0-2) or better, U plan semi apo 100X objective, NA 1.30, oil.

DIC and Phase Ring attachment: DIC for 40 X and 100X. Phase ring for 20C and 40 X

Fluorescence attachment: Coded or Motorised Fluorescence attachment for the Microscope with 8 or more nos. of Cube for Fluorescence with 100 W Mercury burner. Filters for DAPI, FITC/GFP, TRITC All Filter must be long life hard coated with band pass filter in excitation and band narrow pass filter in Emission for prevent the cross talk.

HIGH RESOLUTION CCD CAMERA ATATCHMENT:

High Resolution : 12MP or more colour CCD cool camera .

15 frames per second live display at full frame resolution (1600 x 1200)

Peltier cooled to 10° C below ambient or better

14-bit color depth for superb color fidelity for better Fluorescence application

4 selectable image resolutions: 4800 x 3600, 2400 x 4800, 1600 x 1200 and 800 x 600 for better imaging facility.

3-CCD Mode for increased resolving power, required for True Colour reproduction.

Binning of 2 x 2 for increased sensitivity and preview frame rate

3 Autofocus aids for easy focusing

Image capture & analysis Software:

Analysis software for image capturing, user experience customization, overlay multiple images, document groups for side by side image comparison, movie playback, Tile image, snap /movie acquisition, manual counting interactive measurement, time-lapse at specific intervals, Image processing, Image analysis, automatically compose word report.

Computer Workstation:

Vendor should supply One Branded desktop computer with the following Spec I3 processor 4GB RAM, 500GB Hard Disk, DVD RW and 24 inch LCD monitor.

Warranty: 2 years.

Service Facility: Supplier should mention the details of their service setup and man powers in India, preferably Kolkata.

Technical compliance chart should be provided following format -

Sr. No	Tender specification	Your offered instrument specification	Extent of compliance

Tender will not be accepted if the technical compliance chart is not provided following the above format.

2. PRICE BID

The financial bid indicating (item-wise, if required) price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly superscribed as 'PRICE BID' on the outer cover of the envelope as already detailed above. Price bids of only technically qualified bidders will be opened and the corresponding manufacturer/exclusive distributor/vendors will be intimated the date and time of the opening of price bid at their e-mail ids. Rest of the bidders will stand rejected.

PRICE: Price to be quoted on CIF Kolkata and also FOB basis.

3. BID SECURITY:

a. An Account payee Demand Draft/Pay Order for 5% of equipment value drawn in favour of "Indian Association for the Cultivation of Science (State Bank of India, Jadavpur University Branch, A/C No. 11079699211, IFSC: SBIN000093, MICR Code: 700002048)" is to be furnished by the bidders except those who are registered with the Central Purchase Organizations, National Small Industries Corporation or the concerned Ministry or Department, as Bid Security money or Earnest Money Deposit (EMD).

b. The Demand Draft for the Bid-Security should have at least 90 (ninety) days validity period of opening of the bids.

c. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

4. PERFORMANCE SECURITY:

An Account Payee Demand Draft of 10% of the order value in the name of "Indian Association for the Cultivation of Science" is to be furnished by the successful bidder as Performance security. Performance security money should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. Bid security money or EMD will be refunded to successful bidder on receipt of the Performance security money.

GENERAL INSTRUCTIONS

1. Validity of tender: Tender submitted should remain valid for at least six months from the date of opening the tender. Validity beyond six months from the date of opening of the tender shall be lapsed by mutual consent.

2. The tender should accompany a compliance chart.

3. Incomplete and conditional tenders as well as tenders received after the due date will be summarily rejected without assigning any reasons thereof.

4. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the institute website. Prospective bidders are advised to occasionally visit the website (www.iacs.res.in/tender) for any amendment.

5. Payments: 90% against delivery and rest 10% payment against successful installation & performance certificate or 100% Letter of Credit.

6. Installation/Demonstration/Application training at site: Installation & user training at IACS, free of cost by the supplier.

7. Service facility: In India, preferably Kolkata, supplier should mention their details of service setup and man powers who are responsible for after sales support. Response time should be within 24 hrs.

8. The model number, make and a printed literature of the product should be submitted positively.

9. Proposed delivery schedule should be mentioned clearly.

10. Manufacturers / exclusive distributors / vendors should have history of supplying this type of instruments to this or other scientific organizations. Availability of a list in this regard would be preferred.

11. Authorized dealership certificate should be provided in case of principal manufacturing company is not quoting directly.

12. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.

13. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of the technical bids will be the following working day at the appointed time.

14. In case of any dispute, the decision of IACS authority shall be final and bidding on the bidders.

15. For any clarification regarding technical specifications, information etc., please send your queries to Dr. Suhrit Ghosh (psusg2@iacs.res.in).

16. The authority of IACS reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar (Acting)

