



INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B Raja SC Mullik Road, Jadavpur, Kolkata 700032, India

Tender No. IACS/BBD/BC/2017-18-86,

Dt. 10-01-2018

Sub: State of Art Multicolour Analyser cum High Speed cell Sorter

Sealed tender in two bids system (Technical Bid & Financial bid) is invited from bonafide, resourceful and eligible manufacturers/exclusive distributors of “**State of Art Multicolour Analyser cum High Speed cell Sorter**” with necessary accessories.

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 the **Registrar, 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.	NIT No. IACS/BBD/BC/2017-18/86, Date: 10-01-178
Last date and time of submitting tender	6th February, 2018, upto 12.00 noon
Pre-bid meeting(date, time & place) to discuss technical specification	22nd January, 2018 at 12.30 PM At J.C. Bose Meeting Room
Date and time of opening tender (Technical Bids)	6th February, 2018 at 3.00 PM
Place of opening tender	At J.C. Bose Meeting Room
Date and 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: pcbbd@iacs.res.in Tel.+91 33 2473 4971 [Extn. 2108]

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.

Quotations received incomplete or beyond the stipulated time will be summarily rejected.

Bidders should submit their past experience for supplying and successful installation of similar units to other research Institutes/Universities/other organizations in India and abroad. Please provide documentary proofs of such successful installation and supportive documents that the instruments are running successfully.

A). TECHNICAL BID:

Technical specification for Multicolour Analyser cum High Speed cell Sorter

1. Multicolour Flowcytometry Analyser cum High Speed cell Sorter System must be quoted with at least 3 lasers (i.e. Blue Laser of 488nm, Red laser of 632-642 nm & Violet laser of 405nm) or more
2. System must be able to perform at least 9 colour / fluorescence output or more from the given 3 lasers (solid state) simultaneously in addition to forwards scatter and side scatter parameters.
3. System must have option for future upgradability with at least 1 or 2 more lasers to increase simultaneous output of fluorescence parameters. Price of the additional lasers to be quoted as optional accessory.
4. System must have at least 3 pin holes and additional at least one pinhole / beam spots or more keeping in mind simultaneous firing of at least 4 lasers. The equipment should have dedicated beam spots for each of the individual lasers.
5. All the optics of the system must be fixed aligned or require minimum user level alignment for day to day operations.
6. The system must be of closed architecture in order to avoid accidental exposure to lasers, optical paths and filter assembly.
7. The system must be able to perform high speed cell sorting with acquisition and sorting speed of more than 30,000 events or more / droplets per seconds or higher
8. Manual loading of standard 5 ml tubes should be acceptable.
9. System must be equipped with automated plate sorting facility in 6, 24, 48, 96, and 384-well plates.
10. System must be supplied with nozzles size 100µm or more, which must be removable and can be sonicated.

11. Suitable and compatible computer workstation with 1 TB hard disc, advanced specifications must be supplied from source along with the 2 X 19" or more Monitor as per software compatibility with analysis and sorting software.
12. A 5 KVPA online UPS with minimum 30 minutes back up-1 Qty., color laser printer-1 Qty.
13. One properly trained operator to run the equipment should be provided for at least one years (In optional should be quoted for additional two years).
14. Company must supply starter kits and reagents, including sheath fluids (a total 500 liter over a period of 3 years [85 lt every six months]), tubes, calibration beads, cleaning kit and compensation kit, should be provided.
15. User list along with performance or installation certificates should be provided from at least 3 academic users and at least 5 users globally of the same equipment.
16. Company must submit Performance Certificate of the quoted model from different Govt. research Institute towards proof of satisfactory performance along with the current all India list of users.
17. Company must provide operational training after installation and subsequent refresher training every year during the warranty period (**total three years**) without additional cost .

A compliance table (see below) must be prepared and submitted along with the technical bid

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.

Important notes:

- Foreign manufacturing products may be offered on CIP Kolkata basis, however the supplier must ensure to execute customs clearance and door delivery of the product at IACS Kolkata at their **own cost and resources**. IACS will provide DSIR and other relevant documents for the custom clearance.
- Comprehensive warranty for additional two years (**a total of 3 years which includes 1 year factory warranty**) that include replacement assurance on all hardware and software components of the equipment should be included in the quoted price. Post-warranty CMC/AMC should also be quoted for additional two years.
- Bidder providing misleading or wrong information will be disqualified
- All technical claims of the Bidder should be supported by product catalogue, public website of the manufacturer

- Qualified vendor will be required to undertake the room refurbishment for proper installation of the system. IACS will provide the space will electrical connection. The vendor will be required to install the necessary tables and other furniture as required by the instruments. They are expected to inspect the space and take the room preparation work before delivery of item.

2. PRICE BID

The financial bid indicating (item-wise) price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly super scribed 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 they 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:

- An Account payee Demand Draft/Pay Order of Nationalized Bank for Rs. 2,30,000 (Rupees Two Lacks and thirty thousand only) 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 alongwith Technical Bid 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). Alternatively, the Bidder shall have the option to furnish the EMD in the format of Bank Guarantee (BG).
- The Demand Draft for the Bid-Security should have at least about 90 (ninety) days validity period of opening of the bids.
- 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 on any nationalized bank of India 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.

5. TERMS OF PAYMENT :

Payment will be made through irrevocable Letter of Credit in two installments. 90% of the money will be released on submission of shipping of documents. Remaining 10% will be released after successful installation of the instrument

6. 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 to visit the website (www.iacs.res.in/tender) for any amendment.
5. Installation/Demonstration/Application training at site: Installation & user training at IACS, free of cost by the supplier.
6. 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.
7. The model number, make and a printed literature of the product should be submitted positively.
8. Proposed delivery schedule should be mentioned clearly.
9. 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.
10. Authorized dealership certificate should be provided in case of principal manufacturing company is not quoting directly.
11. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
12. 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.
13. In case of any dispute, the decision of IACS authority shall be final and bidding on the bidders.
14. For any clarification regarding technical specifications, information etc., please send your queries to Dr. Benu Brata Das (pcbbsd@iacs.res.in).
15. The authority of IACS reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Acting Registrar