

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A & B, RAJA S.C. MALLICK ROAD
Jadavpur, Kolkata-700032

Tender No. IACS/PSU/TKM/2016-2017/102 dt. 10.03.2017

Fluorescence Spectrophotometer

Sealed tenders in two bids system (Technical Bid & Financial Bid) is invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for “**Fluorescence Spectrophotometer**”. Manufacturers/exclusive distributors should have past history of supplying this type of facilities to other reputed organizations.

Part – I (Technical Bid) of the tender should contain technical details and commercial terms and conditions and **Part-II (Price Bid)** should indicate group-wise price as mentioned in the Technical Bid where applicable. The Technical Bid and Price bid are to be submitted in two separately sealed envelopes distinctly marked accordingly and both to be put inside another envelope, which should be sealed and super scribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads.

Complete tenders bids should reach the office of the Polymer Science Unit, Indian Association for the Cultivation of Science, 2A & 2B Raja S.C. Mullick Road, Jadavpur, Kolkata-700032 on or before scheduled date & time specified below.

Tender Notice No.	IACS/PSU/TKM/2016-2017/102 dt. 10.03.2017
Last date and time of submitting tender	April 11, 2017 at 2.00 P.M.
Pre-bid meeting to discuss technical specification	April 4, 2017 at 4.00 P.M.
Date and time of opening tender	April 11, 2017 at 4.00 P.M.
Place of opening tender	IACS, Kolkata
Contact	E-mail: psutkm@iacs.res.in Tel. 033-2473 4971 (ext. 1562)

The technical bids will be opened first to evaluate the technical specifications of the equipment thereafter, the Price bids of only technically qualified bidders will be opened.

1. TECHNICAL BID:

The Technical Bid should contain technical specifications and kept in a separate envelope duly super scribed as “**Technical Bid**” on the outer side of the envelope as detailed above.

A) Technical specification for “Fluorescence Spectrophotometer”.

- 1. Principle:** Computer controlled fluorescence spectrophotometer with the capability of measuring fluorescence, phosphorescence, chemi-luminescence and bioluminescence.
- 2. Light Source:** It should have the pulsed xenon lamp with long life time.
- 3. Detector:** High performance PMT (excitation and emission both)
- 4. Wavelength range:** Excitation 200 – 900 nm or better. Emission: 200 - 900 nm or better.
- 5. Wavelength accuracy:** ± 1.5 nm.
- 6. Sensitivity:** Minimum signal to noise ratio level using the Raman band of water, excitation at 350 nm should be $> 3500:1$ RMS or better and excitation at 500 nm should be $> 1200:1$ RMS or better.
- 7. Resolution:** 1.5 nm.
- 8. Wavelength Scan Speed:** Up to 24,000 nm/min or better.
- 9. Sample holder:** System should be supplied with standard liquid cell holder and thermostated cell holder for 10 mm cuvette.
- 10. Sample cell:** It should have rectangular quartz cell with 10 mm path length and 3.5 mL cell volume.
- 11. Software operating system:** User friendly, based on Microsoft Windows 7 or above with complete control of instrument. It should have facility for scan application, kinetics, life time measurements, concentration. Data storage, graphical display. Life time measurements. The software should include validation application.
- 12. Accessories:** System should be compatible to solid sample holder, fast filter accessory, polarizer, Peltier controlled cell holder and fiber optics probe.

Optional Items: Solid sample holder, Fast filter accessory, Polarizer, Peltier controlled cell holder and Fiber optics probe.

- B)** All safety features tested and certified by internationally reputed testing Organization.
- C)** Certificates should be enclosed.

User List: The supplier should provide a list of current users (with contact no, Email address etc) for the quoted item in India.

Service facility: Supplier should mention their details of service setup, who are responsible for after sales support.

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. The price bids of only technically qualified bidders will be opened and they will be intimated the date and time of opening at their email id-s. Rest of the bids will stand rejected.

PRICE: Price to be opened both on FOB/CIF basis. Name of the particular part from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB price.

BID SECURITY:

1. The financial bid should be super scribed as "PRICE BID" on the outer cover of the envelope
2. Bid Security (EMD): An Account Payee Demand Draft of Rs. 25,000/- in the name of "Indian Association for the Cultivation of Science" 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). The bid security may also be accepted in the form of Bank Guarantee from any of the commercial banks in an acceptable form.
3. The Demand Draft for the Bid-Security money should have at least 45(forty five) days validity period after the opening of the Bids.
4. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

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 will be refunded to successful bidder on receipt of the Performance security money.

GENERAL INSTRUCTIONS:

1. Incomplete & conditional tenders and tenders received after the date will be summarily rejected without assigning any reasons thereof.
2. Tender Notice Number and tender for "**Fluorescence Spectrophotometer**" should clearly be written on the envelope.
3. At any time prior to the bid due date, IACS may, for any reason, shether 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.
4. Payment: 100% against delivery and successful installation subject to submission of performance guarantee.

5. Warranty: Minimum 3 years.
6. Installation/Demonstration/Application Training at site: Free of cost by the supplier.
7. Service facility: Supplier should mention their details of service setup and Manpower in Kolkata who are responsible for after sales support. Response time should be within 24 hours.
8. Validity of tender: Tender submitted shall remain valid at least for three months from the date of opening the tender. Validity beyond four months from the date of opening of the tender three months from the date of opening of the tender shall be by mutual consent.
9. The tender should accompany a compliance chart.
10. The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.
11. The model number, make, and a printed literature of the product shall submit positively.
12. Proposed delivery schedule should be mentioned clearly.
13. Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organization.
14. Authorized Dealership Certificate is must in case of principal manufacturing company is not quoting directly.
15. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
16. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of technical bids will be the following working day at the appointed time.
17. In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.
18. For any clarification regarding technical specifications etc. please send your queries to “ Prof. T.K. Mandal” psutkm@iacs.res.in.
19. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar