

**INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A & 2B, RAJA S.C.MULLICK ROAD JADAVPUR, KOLKATA –32**

**TENDER NOTICE NO. SR/MM/NS-1089/MC/MS/SS/14/05
dated 13.01.2014**

Sealed tenders in two bids system (Technical Bid & Price Bid) are invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for **"Steady State spectrofluorometer"**

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 superscribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letter heads.

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

Tender Notice Number	SR/MM/NS1089/MS/SS/14/05 dated 13.01.2014
Last date and time of submitting tender	5th February, 2014 at 12.00 Noon
Pre bid meeting to discuss technical specifications	21st January, 2014 at 3.00 PM.
Date and time of opening tender	5th February, 2014 at 3.00 P.M.
Place of Opening Tender	at JC Bose Meeting Room
Contact	Email: cnsks@iacs.res.in Ph: +01-33-2473-4971(ext:1227)9830459968 (M)

Technical Specifications

The technical bids will be opened first to evaluate technical specifications of the equipment and thereafter the price bids of only the technically qualified tenderers will be opened.

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.

Technical Specification:

Steady State spectrofluorometer

- (a) Computer controlled Steady state (intensity based) PL should have provision for using cryo attachment and Integrating Sphere attachment simultaneously.
 - (b) Modular open architecture fluorometer (excitation source, sample compartment, detector as separate unit, not in compact mode) for further upgradation of the machine.
- I Czerny - Turner optical configuration with 1200 lines/mm
- (d) Light source: 75 W (or higher) Xenon Arc lamp.
 - (e) Wavelength range: 200- 900 nm or higher with double excitation monochromator
200- 900 nm or higher with double emission monochromator
 - (f) Stray Light for Ex / EM monochromator: 10^{-6} or better.
 - (g) Computer controlled, motorized triple grating turret for Excitation and Emission monochromator
 - (h) Continuous adjustable bilateral slits: 0 to 15 nm or higher for Excitation and Emission monochromator.
 - (i) Signal-to-noise ratio at least 10000:1 or higher ratio is preferable.

(j) Photomultiplier Tube (PMT) with detection range: 200 to 900 nm or higher wavelength

(k) Multiple mode detection - Photon counting, Analog counting and Phosphorescence Lifetime detection should be available

(l) Water thermo stated 10 mm path-length Cuvette holder with magnetic stirring system is preferable.

(m) Computer controlled motorized polarizer for anisotropy measurement

(n) All necessary Softwares for data acquisition and analysis

(o) Warranty of fluorometer: 12 months from the date of installation

Free Service: 24 months after Warranty period

(p) Cut-off filters with filter holder (in the wavelength range of 200-900nm) - a set of 8 nos.

(q) - Normal cuvette, 10mm pathlength, 3.5ml (2 nos.)

(r) External Integrating Sphere: 6" external integrating sphere should be quoted.

(s) Upgradable facility: The fluorometer should be upgradable to Time Correlated Single Photon Counting (TCSPC) fluorescence lifetime spectroscopy system, phosphorescence lifetime spectroscopy system and dual monochromator.

PRICE BID:

The price 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 quoted both on FOB and CIF basis. Name of the particular port from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB price.

BID SECURITY:

1. Bid Security (EMD): An Account Payee Demand Draft of Rs.60,000/- in the name of "Indian Association for the Cultivation of Science" is to be furnished by the bidders, as Bid Security money or Earnest Money Deposit (EMD).
2. The Demand Draft for the Bid-Security money should have at least 45(forty five) days validity period after the opening of the Bids.
3. 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. For payment option as in the clause 3(a) in General Instructions below, no Performance Security money will be required to be deposited.

GENERAL INSTRUCTIONS:

1. Incomplete & conditional tenders and tenders received after the date will be summarily rejected without assigning any reasons thereof. "Steady State spectrofluorometer" should clearly be written on the envelope.

2. 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.
3. Payment options:
 - (a) payment of 90% of order value will be released on shipment and remaining 10% after installation and commissioning and completion of all contractual obligations of the supplier including warranty obligations
 - OR
 - (b) 100% payment will be released on shipment subject to submission of 10% of the order value as "Performance Security" which will be released after installation and commissioning and completion of all contractual obligations of the supplier including warranty obligations.
4. Warranty: Minimum 1 year and two years free service after warranty period.
5. Installation/Demonstration/Application Training at site: Free of cost by the supplier.
6. 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.
7. Validity of tender: Tender submitted shall remain valid at least for three months from the date of opening the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent.
8. The tender should accompany a compliance chart.
9. The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.

10. The model number, make, and a printed literature of the product shall submit positively.
11. Proposed delivery schedule should be mentioned clearly.
12. Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organization.
13. Authorized Dealership Certificate is necessary in case of principal manufacturing company is not quoting directly.
14. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
15. 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.
16. In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.
17. For any clarification regarding technical specifications etc. please send your queries to "Dr. Shyamal Saha" cnsks@iacs.res.in.
18. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar