

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A & 2B, Raja S.C.Mullick Road, Jadavpur, Kolkata-700032

TENDER NOTICE NO: OC/RKG/ SB/S5/GC-03/2013/14/23 dated 10.06.2014

Sub: Tender for 'Polarimeter'

Sealed tenders in two bids system (Technical Bid & Financial Bid) are invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for 'Polarimeter' at Indian Association for the Cultivation of Science, 2A & 2B, Raja S. C. Mullick Road, Kolkata -700032.

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 tender bids should reach the office of the Department of Organic Chemistry, 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.	OC/RKG/ SB/S5/GC-03/2013/14/23 dated 10.06.2014
Last date and time of submitting tender:	8 th July, 2014 at 12-30 P.M.
Pre-bid meeting to discuss technical specification	23 rd June, 2014 at 3.00 P.M. Room no 46, Department of Organic Chemistry, IACS, Kolkata
Date and time of Technical Bid opening	8 th July, 2014 at 3.00 P.M. J.C. Bose Hall.
Place of opening tender	IACS, Kolkata
Contact	e-mail: ocrkg@iacs.res.in Tel. +91-33-2473 4971 (Extn. 1401)

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.

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 be kept in a separate envelope duly super scribed as "Technical Bid" on the outer side of the envelope as detailed above.

Specifications for Polarimeter

Application:

The primary application would be to measure the optical rotation of chiral chemical compounds in different temperatures. The following set of specifications is required.

Required Product Features and Technical Specifications:

1.	Measuring scales	°Optical Rotation
		°Specific Rotation
		% Concentration (g/mL, g/100mL, g/L)
		% Sucrose
		% Glucose
		User-defined scales
2.	Optical rotation specifications	
	a. Measuring	± 89.9°

	Range:	
	b. Resolution:	0.001° - 0.0001°
	c. Accuracy:	± 0.002° for the entire measuring range – require high accuracy over entire measuring range.
	d. Repeatability:	± 0.002°
3.	Wavelength	589 nm
4.	Sample cell:	(i) 1no. Stainless steel cell with 100 mm path length (ii) 1 no. SS micro cell with 2.5 mm path length (iii) 1no. Glass cell with 100 mm path length.
5	Automatic Sample cell identification and configuration.	System should be capable for automatic sample cell identification and configuration by error free auto capture of sample cell parameter input.
6	Temperature Control	15 - 45°C automatically through Peltier thermostat for faster temperature control.
7	Temperature reading:	Wireless Pt 100 sensor with temperature accuracy of ± 0.2°C & temp resolution of 0.1°C
8	Instrument Control:	TFT touch screen display
9	Sample filling check	Inbuilt device for detecting the formation of air bubble.
10	21 CFR Part 11 Compliance:	- Inbuilt in the system with Unique password protection for multi user levels
		- Audit trail for traceability of electronic data
		- Tamper-proof export of audit trail files.
11	Upgradeability:	The quoted instrument should be fully upgradeable in future with different wavelengths.
12	Interfaces:	4 USB ports for the easy connection of mouse, keyboard, printer & bar code reader
13	Interfacing with other instruments for measurement of parameters viz. Refractive Index & % Brix,	
14	Warranty	Standard warranty of 2 years to be quoted
15	Manuals:	The user manual should be provided along with the instrument in the form of hard copy as well as electronic copy.
16	Training:	The supplier of the instrument will provide hands on operational as well as application training at the time of installation. Supplier should mention their training facilities in India.
17	After sales support:	The supplier should provide prompt after sales support in terms of instrument service as well as application support.

Technical compliance chart should be provided following the 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.

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: Trained technicians should install the instrument and ensure that it is operating correctly and within specifications. User training at site should also be provided. Supplier should mention their details of service setup that are responsible for after sales support.

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. 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/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):

a) An Account Payee Demand Draft of Rs. 20,000/- 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).

b) The Demand Draft for the Bid-Security money should have at least 45 (forty five) days validity period after the opening of the Bids.

c) 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 "Polarimeter" should clearly be written on the envelope.
3. 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.

4. Payment: 100% against delivery and successful installation subject to submission of performance guarantee.
5. Warranty: Minimum 2 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 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 be submitted 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 mandatory 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 "Dr. Rajib Kumar Goswami" ocrkg@iacs.res.in.
19. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar