

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

Tender No. IACS/SSP/AJP/13/A-03

Date: January 21, 2013

***Thermal coating unit fitted with turbo molecular pump
and oil-free rotary pump***

Sealed tenders in two bids system (**Technical Bid & Financial Bid**) is invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for "***Thermal coating unit fitted with turbo molecular pump and oil-free rotary pump***". 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 Department of Biological Chemistry, Indian Association for the Cultivation of Science, 2A & B Raja S.C. Mullick Road, Jadavpur, Kolkata-700032 on or before scheduled date & time specified below.

Tender Notice No.	IACS/SSP/AJP/13/A-03 Dated 21.01.2013
Last date and time of submitting tender	12th February, 2013 at 1.00 P.M.
Pre-bid meeting to discuss technical specification	29th January, 2013 at 3.00 P.M.
Date and time of opening tender	12th February, 2013 at 3.00 P.M.
Place of opening tender	S.N. Bose Hall, IACS, Kolkata
Contact	e-mail: sspajp@iacs.res.in Tel. +01-33-2473 4971 (ext. 1313)

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 Thermal coating unit fitted with turbo molecular pump and oil-free rotary pump

- Thermal coating unit should be fitted with lifting beljer having minimum diameter of 250 mm and a height of 420 mm equipped with see-through removable glass window. Beljar should be equipped with water flow line.

- Adjustable substrate holder having a separation of 10-30 cm from the filament.
- Substrate shutter and source shutter (adjustable height) to be operated from outside the bell jar.
- The coating unit should be fitted with two thermal evaporation sources (200 A) to coat filaments and boats.
- An ion cleaning feedthrough which should be fitted in the evaporation chamber.
- Appropriate thickness monitor and quartz crystal with water supply connection to measure the thickness. Rate display resolution should be at least 0.01 Å/sec and thickness display resolution should be 0.001 KÅ.
- Thickness monitor should measure thickness within a range of 0 – 500 nm or above. It should cover metal-density in the range of 0.5 – 25, acoustic impedance range of 0.2-30, and tooling factor (%) of 1-100.
- Vacuum deposition chamber should be fitted with penning and pirani gauges to measure the appropriate pressures.
- The turbo molecular pump should have a pumping speed of 300 lit/sec or higher. It should be backed by an oil-free rotary pump.

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. 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). 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 "***Thermal coating unit fitted with turbo molecular pump and oil-free rotary pump***" 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 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 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. A.J.Pal" SSPajp@iacs.res.in.
19. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar