

**INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE, 2A & 2B, RAJA
S.C.MULLICK ROAD, JADAVPUR KOLKATA -700032**

TENDER NOTICE NO. : IC/RM (SR/SI/IC-65/12)/02/889 dated 10.06.2015

FOR “ROTARY EVAPORATOR”

Sealed tenders in two bids system (Technical Bid & Financial Bid) are invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for Rotary Evaporator

Part I (Technical Bid) of the tender should contain technical details and commercial terms and conditions and Part-II (Price Bid) should indicate groupwise 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 letterheads.

Complete tender should reach the office of the **Department of Inorganic 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	IC/RM (SR/SI/IC-65/12)/02/889 dated 10.06.2015
Last date and time of submitting tender	25.06.2015 at 3.00 p.m.
Prebid meeting of the technical committee	17.06.2015 at 3.00 p.m.
Date and time of opening tender	25.06.2015 at 4.00 p.m.
Place of opening tender	Office of Dr. R. Mondal, Dept of Inorganic Chemistry
Contact	Email: icrm@iacs.res.in ; Tel: +91-33-2473 4971 (Extn. 1374, 1820)

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 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 expenses to any of the bidders for attending opening of technical bids.

2) Technical Bid:

The Technical Bid should contain technical specifications and kept in a separate envelope duly superscribed as "Technical Bid" on the outer side of the envelope as detailed above.

3) Technical Specifications for Rotary Evaporator:

Rotation Speed: 20- 280 rpm or more

Heating bath range: 180°C or more. The bath should have both set and actual digital temperature display simultaneously as a standard feature.

Wireless contact on the heating bath both for supply of power and communications should be provided for better safety.

Evaporation flask: should be compatible with 50ml- 4000ml evaporation flasks. Same joint adapter should be able to accommodate all the flasks without additional connections. The instrument should be equipped with a motorized quick action jack operated by a single button. The flask should be automatically lifted during power failure for safety reasons.

Cooling surface area: Cooling surface area should be more than .146 metre Square or more.

Sealing system: single sealing system for all glass assemblies made of glass / standard chemical resistant WD 26 PTFE.

All glass components should be stress relieved and made of Borosilicate 3.3 glass.

Modularity: Any time up gradation from basic model to professional model should be possible.

VACUUM CONTROLLER

Solvent database or library at least 40 store method for convenient setting of distillation conditions.

Speed control for vacuum pump.

Measuring range: 1400- 0 mbar.

Control range: 1100- 1 mbar.

Integrated aeration valve and precision pressure sensor.

Timer function for process termination after pre-specified time

Labvac function for control of laboratory vacuum system

SPECIFICATION FOR VACUUM PUMP

Single stroke Speed control vacuum pump.

Vacuum flow rate - 1.8 m³/h

Ultimate vacuum - <10mbar

Number of stages - 2

Glass+ PEEK (Teflon type material) heads

Double diaphragms

PTFE membrane should be present in the pump.

Integrated gas ballast for drying the diaphragms during operation ensuring high flow rates.

Option for

INFRA RED COMMUNICATION BETWEEN HEATING BATH AND ROTAVAPOR .

Plastic coated glass for maximum safety

4. Technical compliance chart should be provided following the following

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.

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

6) Service facility: Trained technicians should install the instrument and ensure 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.

7) 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 of price bids at their email id-(s). Rest of the bids will stand rejected.

8) 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.

9) Bid Security:

- a. The financial bid should be superscribed as "PRICE BID' on the outer cover of the envelope
- b. Bid Security (EMD): An Account Payee Demand Draft of Rs.45,000 (forty five thousand rupees only) 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).
- c. The Demand Draft for the Bid-Security money should have at least 45(forty five) days validity period after the opening of the Bids.
- d. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

10) Performance Security:

An Account Payee Demand Draft of an amount 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.

11) General Instructions:

- a. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
Rotary Evaporator should clearly be written on the envelope.
- b. 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.
- c. Payment: 100% against delivery and successful installation subject to submission of performance guarantee.
- d. Warranty: Minimum 3 years annual maintenance contract (free of additional charge)
- e. Installation/Demonstration/Application Training at site: Free of cost by the supplier.
- f. 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.
- g. Validity of tender: Tender submitted shall remain valid at least for three months from the date of opening of the tender. Validity beyond four months from the date of opening of the tender shall be by mutual consent.
- h. The tender should accompany a compliance chart.
- i. The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.
- j. The model number, make, and a printed literature of the product shall be submitted positively.
- k. Proposed delivery schedule should be mentioned clearly.
- l. Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organization.
- m. Authorized Dealership Certificate is must in case of principal manufacturing company is not quoting directly.
- n. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.

o. 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.

p. In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.

q. For any clarification regarding technical specifications etc. please send your queries to "Dr. Raju Mondal" at icrm@iacs.res.in.

r. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar