

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

Notice Inviting Tender No.: IACS/SSP-P/AG/15-16/22 Dated 07.12.2015

Sub: Glove box with gas purification, circulation and regeneration unit under the DST project

Sealed quotations in **two parts, separately comprising the Technical Part and the Financial Part** are invited from experienced and renowned companies for the purchase of **Glove box with gas purification, circulation and regeneration unit** under a project funded by DST, Government of India.

Part – I (Technical Bid) of the tender should contain technical details of the instrument and conditions (including details of installation, Warranty, Training, payment options etc.) and **Part-II (Price Bid)** should indicate CIF Kolkata price for the instrument mentioned in the Technical Bid. 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 Notice Inviting Tender No. and Due Date. The bidders may submit bids duly signed in their own letterheads.

The Complete tender bids should reach the office of the “**Registrar (Dispatch Section), 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.**”

Notice Inviting Tender No.	IACS/SSP-P/AG/15-16/22 Dated 07.12.2015.
Last date and time of submitting tender	6 th January, 2016 at 1.00 P.M.
Date and time of opening tender	11 th January, 2016 at 2.00 P.M.
Place of opening tender in	J.C. Bose Hall, IACS Campus
Contact	Prof. A. Ghosh, E-mail : sspag@iacs.res.in Tel. +91-33-2473 4971 (ext. 1314)

The technical bids will be opened first to evaluate the technical specifications. 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. Lack of proper clarification may lead to the disqualification of bid.

Opening of price-bid: The Price Bids of the bidders qualifying the technical bid will only be opened. 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 tender opening of technical bid.

- Quotations may be submitted to the Registrar (dispatch section).
- Quotations received incomplete or beyond the stipulated time will be summarily rejected.

Bidders should submit their past experience for supplying and successful installation of same **Glove box with gas purification, circulation and regeneration unit** to other research Institutes/Universities/other organizations in India. Please provide documentary proofs of such successful installation and supportive documents that the instruments are running successfully.

Technical specification for Glove box with gas purification, circulation and regeneration unit

1. Inner Box Dimensions: 900-950mm x 1200-1250mm x 775-800mm [H x L x D]
2. 2 x Teflon glove ports, 220mm dia, O ring sealed, Gloves Butyl,
3. Chemical resistance coating for chemical and scratch resistance.
4. Dust filter 0.3 micron, class H13, One gas inlet/One gas outlet filter
5. 3 x Height Adjustable, Stainless Steel shelves
6. Automatic Box pressure from -15mbar to +15mbar
7. Water proof Foot pedal for Box Pressure adjustments,
8. 2 DN 40 feed through, (one with electrical supply+ One blank)
9. Fluorescent lamp should be front mounted. Automatic switch off.
10. Cylindrical Antechamber, 390mm diameter, Length 600mm
11. Material stainless steel, thickness 2.5mm, Sliding tray stainless steel, Doors Aluminum, anodized, Door lock easy to operate, spindle lock.
12. Single filter Purifier Re-generable
13. Moisture removal capacity minimum 900g, minimum Oxygen 20L
14. Attainable purity: < 1ppm H₂O and < 1ppm O₂ at complete pressure range
15. Automated regeneration. Program (PLC controlled)
16. Integrated blower for gas circulation (minimum 20m³/hr)
17. Automatically decrease /increase of speed as per oxygen and moisture levels and increase blower speed back to 100% if values are outside set values.
18. Vacuum pump, Type: rotary vane pump, dual stage oil mist filter Oil re-circulation, Automatic gas ballast control, (12m³/h), Vacuum pump should be put off automatically when antechamber not in use. Positive Pressure regulation without vacuum pump.
19. Automated Regeneration, PLC controlled no manual operation
20. Mini- Antechamber -150 (D) x 400 (L) mm,Hinged doors, with sliding tray should be 1/3rd inside and 2/3rd outside.
21. Solid state oxygen sensor, 0-1000 ppm.
22. Solid state moisture sensor, 0-500 ppm

23. PLC Control Color panel for operation of all Glove box functions
24. One inline filter with one kg activated carbon
25. Solvent trap cylinder with 5 kg activated carbon inline by pass valve
26. One DN40KF double feed through with ball valve for gas/liquid.
27. Double side four points feed through for measurement signal with suitable flange for installation of feed through.
28. Spare gloves one pair.

Important notes:

- i) Vendors should quote rate involved, if any, for the Optional Items/services.
- ii) Bidder providing misleading or wrong information will be disqualified.
- iii) All technical claims of the Bidder should be supported by product catalogue, public website of the manufacture.
- iv) The Indian Agents desiring to quote on behalf of their foreign principals must have valid registration with the Central Purchase Organization (e.g. DGS&D) as provided in Rule 143 of general Financial rules, 2005.
- v) Vendors should have minimum 10 installations at Kolkata region
- vi) Should have Service support from Kolkata service engineers, provide contact details.
- vii) Vendors should provide Customer satisfaction certificate from Kolkata region.

1. 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 in FOB/CIF/EX WORKS basis. Name of the particular Port from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB/CIF/EX WORKS price.

2. BID SECURITY:

1. Validity of bids: It should be at least 90 days from the opening of tenders. If required, it may need to be extended further.
2. Bid Security (EMD): An Account Payee Demand Draft of Rs. 1,25,000 (Rs. One lakh twenty five thousand) in the name of "Indian Association for the Cultivation of Science", payable at Kolkata is to be furnished by the bidders, as Bid Security money or Earnest Money Deposit (EMD).

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. The earnest money of unsuccessful bidders will be returned. The earnest money of the successful bidder will be returned on receipt of the Performance Security.
5. Performance Security: Performance security = 5 % of the ordered value (in INR) in the form of a bank guarantee with a validity for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligation. Bid security money will be refunded to the successful bidder on receipt of the Performance Security.

3. GENERAL INSTURCTIONS:

- 1) Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
- 2) Tender Notice Number and tender for "**Glove box with gas purification, circulation and regeneration unit**" 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) Warranty: Minimum 1 year & service warranty 2 yrs.
- 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. A technical compliance chart should also be provided in the following format:

Serial Number	Tender Specification	Specification of your offered instrument	Extent of compliance
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- 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 with the technical bid.
- 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 Organizations.
- 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.
- 18) 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.
- 19) Acceptance of Tender: IACS authority does not bind itself to accept the lowest tender and reserves the right to reject any or all the tenders received without assigning any reason thereof.
- 20) 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.
- 21) Acceptance of Tender: IACS authority does not bind itself to accept the lowest tender and reserves the right to reject any or all the tenders received without assigning any reason thereof.

4. Payment Terms: 100 % through letter of Credit; 90% to be released on shipment and balance 10% against successful installation & commissioning subject to submission of performance guarantee.

ACTING REGISTRAR