

# INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032

## Tender Notice

NIT No. : IACS / TRC / BCSSJ / 2016-17 / 75

Date: 16/01/2017

Sealed tender in two bids system (technical bid and price bid) is invited from bonafide, resourceful, and eligible manufacturer/exclusive distributor/vendors for a "IVC System & Cage Changing Station"

Part-I (Technical Bid) of the tender should contain technical specifications in detail as well as commercial terms and conditions. Part-II (Price Bid) should clearly indicate group-wise price, if needed, as mentioned in the technical bid. The Technical Bid and Price Bid are to be submitted in separately sealed envelopes, distinctly marked accordingly and both to be put inside another envelop, that should be sealed and superscribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads.

Completed tender bids should reach the office of **TRC office (Mr. Sujit Kr Biswas), Indian Association for the Cultivation of Science (IACS), 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata-700032** on or before the scheduled date and time specified below:

|                                                       |                                                                                                                                                                                                                  |                         |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Tender Notice No.                                     | <b>IACS / TRC / BCSSJ/2016-17/75</b>                                                                                                                                                                             | <b>Date: 16/01/2017</b> |
| Last date and time of submitting tender               | 07/02/2017 at 1 PM                                                                                                                                                                                               |                         |
| Pre-bid meeting to discuss technical specification    | 27/01/2017 at TRC office                                                                                                                                                                                         |                         |
| Date and time of opening tender<br>( Technical Bids ) | 07/02/2017 at 3:30 PM                                                                                                                                                                                            |                         |
| Date and time of opening of Price Bids                | 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. |                         |
| Contact Details                                       | Email: <a href="mailto:admskb@iacs.res.in">admskb@iacs.res.in</a> and <a href="mailto:bcssj@iacs.res.in">bcssj@iacs.res.in</a>                                                                                   |                         |

The technical bids will be opened first to judge/evaluate the technical specifications of the said instrument and 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

Both systems should fit into an Animal Room having approximate dimension of L 4.18 mtr x W 3.82 mtr x H 2.05 mtr; Door: H 1.85 mtr x W 1.0 mtr.

#### A. General Specifications (IVC system)

The Individually Ventilated Caging System should comprise of the following:

1. Cage Rack with air distribution system (ducting system)
2. Ventilator unit comprising of supply and exhaust unit
3. Animal Cages suitable for IVC system.

All three basic components mentioned above should comply to the guidelines of CPCSEA, Govt. of India.

#### 1. Cage Rack with air distribution system

Single sided Cage Rack structure, fabricated out of SS 304 grade material should consist of the following.

- Supply and exhaust air distribution system (ducting) in SS 304 construction.

- Four number of castor wheels housing in SS 304 construction and the wheels in suitable grade nylon construction to withstand autoclaving. Wheels should have locking provision.
- Duct couplers, end caps, supply air nozzle and exhaust air nozzles, cage runners in proper grade nylon/rubber construction suitable to withstand autoclaving.
- All hardwares in SS 304 grade construction.
- The rack should be provided with all necessary accessories such as duct hose, pressure sensor tubes etc required for the functioning of the whole system.
- The mice rack should be suitable for 80-100 cages.

Quantity required: 2

## 2. IVC Ventilator unit comprising of supply and exhaust unit

IVC ventilator suitable to supply clean air to IVC cages and to evacuate contaminated air from cages should consist of the following:

- Low vibration, quiet operation, high efficiency blower for supply air system and exhaust air system. The noise level should be less than 55 db. The system should be capable of supplying required amount of air at low velocity (0.2 mtr/second) to avoid any disturbance to the animal.
- Microprocessor based system to automatically adjust the pre set air quantity for both supply and exhaust system.
- A bank of pre filter and HEPA filter having the efficiency of 99.99% down to 0.3 micron to ensure pathogen free clean air supply to cages. Also the affluent air should pass through HEPA filter before releasing to the environment.
- Microprocessor based digital display and alarm system for all important parameters i.e. supply air flow, exhaust air flow, average cage temperature, average cage RH, Alarm for filter blockage, blower malfunction etc.
- Housing in SS 304 construction complete with four numbers castor wheels, two with padlock and two with free moving wheels.
- Each ventilator should be provided with at least 5KVA online UPS system with sufficient battery back up to run the system for minimum 8h in the event of power failure.

**Quantity:** 1 No

## 3. Animal cages suitable for IVC system

The mice cages should be complete with cage bottom and cage lid in polysulphone construction for high resistance against disinfectant chemicals and autoclave conditions. The cages should also consist of:

- Inner lid (grill) in SS 304 construction with necessary depression for animal feed
- Micro barrier filter with retainer grill on cage lid
- Water bottle in polysulphone construction complete with cap and nipple in SS 304 construction
- Cage lid locking clamps, supply air port, exhaust air port, water nipple port
- The cages should offer minimum following size for group housing in line with CPCSEA guidelines, US guidelines and UK (Home office) guidelines  
Minimum floor area 500 2q.cm and height 13 cms

**Quantity:** 50-100, depending on capacity of rack.

Only cage bottom for washing rotation – 25

## B. General Specifications (Animal Cage Changing Station)

Animal cage changing station mainly comprising of laminar airflow unit, work platform and exhaust unit should be in SS 304 construction and should consist of the following:

- Easily cleanable perforated work surface of minimum size 1200mm (4feet) x 600mm (2feet) x height 2 feet in SS 304 construction.
- Supply air laminar flow HEPA filter having efficiency of 99.99% down to 0.3 micron to cover the complete work area under clean air laminar flow.
- Suitable pre-filter to protect HEPA filter
- Exhaust air pre-filters and HEPA filters having the efficiency of 99.99%
- Suitable capacity supply air blower and exhaust air blower with low noise level to avoid disturbance to the rodents
- Microprocessor based monitoring and alarm system with necessary sensor and controls for display of overall functioning of the unit and alarm for low airflow
- 4 Nos castor wheels with locking provisions
- Unit should be suitable to operate on 220V, 50Hz single phase AC supply

Tender will not be accepted if the technical compliance chart is not provided following the above format.

## 2. PRICE BID

The financial bid indicating (item-wise, if required) price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly superscribed as 'PRICE BID' on the outer cover of the envelop as already detailed above. Price bids of only technically qualified bidders will be opened and the corresponding manufacturer/exclusive

distributor/vendors will be intimated the date and time of the opening of price bid at their e-mail ids. Rest of the bidders will stand rejected.

PRICE: Price to be quoted on CIF Kolkata and also FOB basis.

### **3. BID SECURITY:**

- a. An Account payee Demand Draft/Pay Order for Rs. 1,00,000/-(Rs. One lakh only)-drawn in favour of "Indian Association for the Cultivation of Science (State Bank of India, Jadavpur University Branch, A/C No. 11079699211, IFSC: SBIN000093, MICR Code: 700002048)" 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 should have at least 90 (ninety) days validity period of opening of the bids.
- c. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

### **4. 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 or EMD will be refunded to successful bidder on receipt of the Performance security money.

### **GENERAL INSTRUCTIONS**

1. Validity of tender: Tender submitted should remain valid for at least six months from the date of opening the tender. Validity beyond six months from the date of opening of the tender shall be lapsed by mutual consent.
2. The tender should accompany a compliance chart.
3. Incomplete and conditional tenders as well as tenders received after the due date will be summarily rejected without assigning any reasons thereof.
4. 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 to visit the website ([www.iacs.res.in/tender](http://www.iacs.res.in/tender)) for any amendment.
5. Payments: 100% against delivery and successful installation or 100% Letter of Credit.
6. Installation/Demonstration/Application training at site: Installation & user training at IACS, free of cost by the supplier.
7. Service facility: In India, preferably Kolkata, supplier should mention their details of service setup and man powers who are responsible for after sales support. Response time should be within 24 hrs.
8. The model number, make and a printed literature of the product should be submitted positively.
9. Proposed delivery schedule should be mentioned clearly.
10. Manufacturers / exclusive distributors / vendors should have history of supplying this type of instruments to this or other scientific organizations. Availability of a list in this regard would be preferred.
11. Authorized dealership certificate should be provided in case of principal manufacturing company is not quoting directly.
12. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
13. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of the technical bids will be the following working day at the appointed time.
14. In case of any dispute, the decision of IACS authority shall be final and bidding on the bidders.
15. For any clarification regarding technical specifications, information etc., please send your queries to Prof. the above mentioned mail address.
16. The authority of IACS reserves the right to reject any or all of the tenders received without assigning any reason thereof.

**Acting Registrar**