

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

**Tender Notice No.BC/SSJ/14/63 dated: 8.12.2014**

***Sub:* Individually Ventilated Caging System and Animal Cage Changing Station**

Sealed tender in two bids system (**Technical Bid & Financial bid**) is invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for supply and installation of **Individually Ventilated Caging System and Animal Cage Changing Station**

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 Biological Chemistry, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata 700032** or on before the scheduled date & time specified below.

<b>Tender Notice Number</b>	<b>BC/SSJ/14/63 dated: 8.12.2014</b>
<b>Date and time of Pre-bid meeting</b>	<b>December 16, 2014 at 3.00 P.M.</b>
<b>Last date and time of submitting tender</b>	<b>1<sup>st</sup> January, 2015 at 12.30 P.M.</b>
<b>Date and time of opening tender</b>	<b>1<sup>st</sup> January, 2015 at 3.30 P.M.</b>
<b>Place of Opening Tender</b>	<b>at JC Bose Meeting Room</b>
<b>Contact</b>	<b>bcssj @iacs.res.in</b>

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. The date of opening the Price Bids will be intimated to the short-listed bidders at their contact addresses. The rest of the bids will be rejected.

The technical specification committee recommended Individually Ventilated Caging System and Animal Cage Changing Station with following technical specifications

**A) Technical Specifications:**

**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:** 100-200, depending on capacity of rack.

Only cage bottom for washing rotation – 50

#### **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

#### **General terms and conditions**

- All equipments mentioned above should be warranted for minimum period of one year with free service (labor only) for at least five years from the date of installation and commissioning.

- The price list for necessary spares and consumables such as HEPA filters, Cage top filters, water bottles etc should be submitted along with the offer and should be valid for five years.
- The list of customers for similar equipment in India should be provided along with the offer.

**Important notes:**

- i) Vendor should quote rates involved, if any, for the Optional Items/services mentioned separately.
- 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 (eg. DGS&D) as provided in Rule 143 of general Financial rules, 2005

**B). FINANCIAL BID:**

The financial bid should be super scribed as “**Finance Bid**” on the outer cover of the envelope.

- 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 superscribed 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.
- 2. Price:** Price to be quoted both on FOB/CIF/EX WORKS basis for foreign currency or in Indian currency.  
Name of the particular port from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB/CIF/EX WORKS price.
- 3. Bid Security (EMD):** An Account Payee Demand Draft for Rs. 20,000/-(Rupees Twenty thousand only ) drawn in favour 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) with the tender.
- 4.** The Demand Draft for the Bid-Security money should have at least 45 (forty five) days validity period after the opening of the Bids.
- 5.** In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders. Bid security money to the successful bidder will be refunded on receipt of the Performance security money.
- 6. Performance Security:**

An Account Payee Demand Draft for an amount of 10% of the order value drawn in favor of "Indian Association for the Cultivation of Science" payable at Kolkata is to be furnished by the successful bidder as Performance security. Performance security money would be released by IACS after a period of 60 days from 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.

**(C) GENERAL INSTRUCTIONS:**

1. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
2. “**Individually Ventilated Caging System and Animal Cage Changing Station**” 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 only. Prospective bidders are advised to occasionally visit the website ([www.iacs.res.in/tender](http://www.iacs.res.in/tender)) for any amendment.
4. **Payment Terms:** All possible terms of payment should be mentioned.
5. **Warranty:** Equipment should be offered with standard warranty followed by 60 months Annual Maintenance Contract (AMC). The vendor should quote the charges for 60 months AMC.
6. **Installation/Demonstration /Application Training at site:** Free of cost by the supplier within 6 months of arrival.
7. **User list:** The supplier should provide a list of current users (with contact no, Email address etc) for the quoted item in India.
8. **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.
9. The 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
10. The tender should accompany a compliance chart. A technical compliance chart should also be provided in the following format:  
**A compliance chart of Serial Number under the TECHNICAL BID Specification should be provided**
11. The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate. The taxes, etc. should be shown separately in the Price Bid.
12. The model number, make, and a printed literature of the product shall be submitted positively.
13. Proposed delivery schedule should be mentioned clearly.
14. Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organization.
15. Authorized Dealership Certificate is must in case of principal manufacturing company is not quoting directly.
16. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.

17. Incomplete tenders will be summarily rejected.
18. For any clarification regarding technical specifications, etc. please send your queries to "**Dr. Siddhartha S Jana: [bcssj@iacs.res.in](mailto:bcssj@iacs.res.in)**"
19. 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.
20. Please note that IACS will not provide any accommodation or expenses to any of the bidders for attending opening of technical bid/price bid
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.

**REGISTRAR**