

**Indian Institute of Technology, Kanpur**  
**Department of Biological Sciences and Bioengineering**

**Proprietary Article Certificate (PAC) Tender document**

Sub: ENQUIRY LETTER FOR PURCHASE OF IVC VENTILATOR, IVC CAGE  
RACK & IVC CAGE ASSEMBLY

Enquiry date: 12.09.2023

Enquiry No: IITK/BSBE/JGR/23-24/01

Extended Last Date: 02.10.2023

**Quotations are invited for the above-mentioned subject as per the technical specification given below**

**IVC Ventilator**

**Quantity-01 unit**

IVC Ventilator Life Guard + model V7 Compact width in SS 304 construction having supply and exhaust ports mounted on top and bottom panel to serve 4 nos. single sided racks or 2 nos. double sided racks having following features:

- Silent operation fans with high efficiency motor.
- Fan speed should be adjusted automatically to meet the set value of supply and exhaust air quantity.
- Pre-filter, grade H4, HEPA filter, grade H14
- Microprocessor based Programmable logical controller
- HMI with 178 mm, TFT LCD 16 bit colour display with software controlled white LED backlit illumination, High Intensity Touch screen, virtual keypad.
- Monitoring, programming of set limits, fault indication (with audio, video alarm) and data logging of all basic parameters. Easy selection of positive or negative pressure mode.
- Run Hour Counter with time based 'change filter' notice, Alarm on clogging of HEPA filter, Easy adjustment of number of air changes on the basis of type and number of cages attached to the system
- Serial Com. port (RS232), Ethernet Com. Port, USB port.
- Multiple ventilator connectivity with PC for remote monitoring, control and data download
- Remote port (Potential free contact)
- Power supply : 230 V, Single Ph., 50 Hz, AC supply
- Noise Level < 50 Db(A)
- Castor wheels : 4 nos., 80 dia, SS housing, nylon wheels, 2 wheels with pad lock
- Overall dimensions : W 370 x D 570 x H 1680

**IVC cage rack model CRB-48-SS**

**Quantity -02 units**

- Should be suitable for cage loading from single side for 48 nos. IVC cages of size B for mice comprising of,
- Frame structure, supply & exhaust air headers with air distribution system in SS 304 construction
- Duct couplers, endcaps, cage supply air nozzles & cage exhaust air nozzles in special grade rubber construction
- Cage runners in special grade nylon construction
- Castor wheels with SS 304 casing and special grade nylon wheels, 2 nos. free moving & 2 Nos. lockable

- Flexible air hose for supply air & exhaust air connections
- Overall dimension: L 1476 x W 510 x H 1965 mm

**IVC Cage Assembly size B, in polysulphone const.**

**Quantity - 96**

**Should contain**

- Cage bottom
- Cage lid with supply air port, exhaust air port & water bottle port with self closing isolators, breather filter, filter retaining grill, lid clamps & card holder.
- Water bottle in PS construction with SS cap with nipple
- Cage grill in SS 304 construction with nylon gasket
- Overall dimensions: L 365 x W 207 x H 190 mm
- Cage floor area: 530 cm<sup>2</sup>
- Clear height: 14 cms

**The quotation should reach the undersigned on or before 02<sup>nd</sup> October, 2023 (04:00 p.m.)**

*Technical and financial quote should be submitted separately in sealed covers mentioning Reference No. on the covers*

**PI/ Indentor details:**

**Dr. Jayandharan G Rao**

**Professor**

**Lab-13, Dept. of BSBE**

**Indian Institute of Technology Kanpur**

**Kalyanpur-208016, Uttar Pradesh**

**Contact: 0512-2594086, e-mail Id: jayrao@iitk.ac.in**

**Terms and Conditions:**

1. Quotations should be sent to the PI/ Indentor address
2. Proprietary Article Certificate (PAC) is necessary for participating in the tender.
3. Quotation should be valid for minimum 90 days
4. Ensure to specify make and model of offered product.
5. Minimum three years of warranty should be provided
6. Payment terms should be mentioned in the quote
7. All process should be F.O.R.
8. Delivery period should be within 6-8 weeks from the date of purchase order followed by the installation and demonstration by the supplier.
9. Bidders are advised to upload copies of the previous supply of offered items for price reasonability.
10. The Institute reserves the right to cancel the tender at any stage without assigning any reason thereof.



**Signature of the PI/ Indentor**

**Dr. Jayandharan G. Rao, Ph.D.  
Professor**

**Department of Biological  
Sciences and Bioengineering  
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