



**Indian Institute of Technology**  
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**Date: 23-01-2012**

**Closing Date: 30-01-2012**

**Ref. No. AK/BSBE/2011-12/09**

**Subject: Request for submission of quotation/tender for “Design and Fabrication of Animal House Facility”**

Please send a sealed quotation in duplicate for “**Design and Fabrication of Animal House Facility**” for our laboratory at the Department of Biological Sciences and Bioengineering (BSBE), Indian Institute of Technology Kanpur (IIT K) with specification and requirement as given below. The quotations should include taxes, warranty, educational discounts if any, freight and delivery. The quotation should reach our office at below mentioned address on or before **30.01.2012**.

**Design and Fabrication of Animal House Facility**

**SPECIFICATIONS**

**IVC Ventilator**

**Qty 1**

Comprising of:

- **Fresh air supply system** comprising of, Fan with speed regulator, Prefilter size 380 x 305, Hepafilter size 380 x 305
- **Exhaust air evacuation system** comprising of, Fan with speed regulator, Prefilter size 380 x 305, Hepafilter size 380 x 305
- **Necessary electricals** with internal wiring
- **Programmable Logical Controller** consisting of ;
- **Housing & structure** in SS 304 construction 96 mm x 96 mm HMI with 16 keys keypad 96 KB ladder code memory with data logging facility Programmable fault indication & alarm system
- **Castor wheels** in special grade nylon construction with SS housing, 2 Nos. free moving & 2 Nos. with pad lock
- **Supply & Exhaust air nozzles** suitable to connect 2/3 racks with Ventilator

**IVC cage rack**

**Qty 1**

- Suitable for cage loading from one side for 30 nos. IVC cages of size C for rats 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 Pressure sensor pipe with QRC
- 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 dimensions : L 1505 x W 595 x H 1965

**IVC Cage Assembly size C, in polysulphone construction. Qty 30**  
comprising of

- Cage bottom
- Cage lid with supply air port, exhaust air port & water bottle port with self closing isolators, 0.2 micron breather filter, filter retainer ring & locking clamps
- Water bottle in PSU const. with SS cap with nipple
- Cage grill in SS 304 construction with nylon gasket
- Overall dimensions : L 425 x W 266 x H 235
- Cage floor area : 800 cm<sup>2</sup>
- Clear height : 18.5 cms

**Rabbit cage rack consists of following : Qty 3**

- Main base frame made out of hollow pipes in SS 304 const.
- Detachable upper structure with top covering plate, suitable to house 6 Nos. rabbit cages, complete with cage runner and runner for waste collection tray in SS 304 construction
- 4 Nos. heavy duty castor wheels with SS housing, 2 Nos. free moving type and 2 Nos. will be with pad lock
- Cage Rack Size: L 1500 x W 660 x H 1770 mm

**Rabbit cage in SS 304 construction consisting of ; Qty 18**

- Cutout with grill on left, right & rear side of the cage
  - Grill with shutter on front side.
  - Detachable feed hopper in SS 304 construction
  - Detachable water bottle holder in SS 304 construction
  - Detachable, perforated bottom panel in non metallic const.
  - Water bottle with gasket & cap with nipple in SS 304 const.
  - Waste collection tray in SS 304 construction
  - Cage Size: L 760 x W 650 x H 380 mm
- **Warranty:** One- two years from the date of installation
  - **Installation and demonstration:** Free of charge at the site of use.
  - **Proprietary,** authorization/distribution, instrument brochures and any other relevant documentation should be submitted along with the quotation.

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