The quotes are invited for providing and installing separate stand alone individual ventilated caging (IVC) system with all the accessories for each room to ensure efficient containment for the upcoming Small Animals Facility for Experimentation (SAFE) at IISER Mohali.
The bidder should have some of these systems installed in the national institute of repute in the surrounding region. A reference list of the institute nationally and internationally where the system has been installed must be provided. All International UL Certification for blower AHU system, International CE Certification for blower AHU system and the proof of filter integrity test for HEPA filters in house in assembled condition of AHU Blower must be provided at the time of application. A single bidder should be able to provide all the items. Only serious bidders are to quote.

1. Specifications for Individually Ventilated Caging System for housing Rat Quantity: 3 system (Each with atleast 36 single sided cages)

1. IVC Rack capacity to be minimum of 36 cages for housing Rats with less than 700 mm depth to pass through the doors
2. All cages should be on single side of the rack
3. IVC Rack should be made up of Stainless Steel grade AISI 304 & fully autoclavable
4. Rack must have cage lock with locking indicator and automatic locking,
5. Rack must be mobile with stainless steel casters with sealed bearings for durability, with foot operated brakes on all four wheels
6. Compatible dedicated AHU for every rack (i.e., 3 nos) is a must and must be complete for necessary connections like HEPA filtered supply and exhaust air delivery. International Certification (UL/ CE) /proof of filter integrity test for HEPA filters is mandatory
7. AHU to have touch screen with color display for monitoring the operation status as well as for adjusting settings.
8. Touch screen must display HEPA life indicator as 'percentage" for HEPA filter life
9. Touch screen to allow "night mode" display to avoid distruption of nocturnal activity.
10. IVC Rack to operate both in positive or negative pressure mode
11. ACH must be settable from 30 – 70 ACH
12. Built in measurement of Temperature and Humidity monitoring of supply and exhaust air
13. The system must ensure even air diffusion into each cage
14. Air supply must be with reduced airflow requirement
15. IVC Unit should be supplied with 45 compatible fully autoclavable clear polysulfone Cages for rat with full visibility.
16. Floor area of the cage should be 800 cm sq.
17. Filtered cage top must be with gasket and top to have hinged filter retainer
18. Preferably cage top to have clip / locks for locking cage
19. The construction material must ensure full visibility inside cages

20. Water bottle should be replaceable without opening the cage
21. Cages need to be equipped with feed tray for holding rodent feed
22. Barrier system for each cage to ensure efficient containment
23. The system must ensure the protection of animals against equipment disfunctioning and electricity breakdown
24. Label/Cage cardholder should be provided with each cage. Additional cage cardholder amounting to about fifty percent of cages should be supplied.
25. Voltage Requirement should be 200-240V (AC), single phase 50Hz
26. IVC System must be TIZ BIFO certified as per International standards and certificate copy must be included from the concerned regulatory bodies in technical bid.
27. Preferably IVC Rack should have horizontal air exhaust pipes for ease of inspection and cleaning
28. Plenums do not need to be removed for washing.
29. Thimble connection must be provided along with the unit for connecting to the exhaust hose of animal room
30. Extra bottle amounting to about fifty percent of the total numbers of cages should be supplied.
31. Thimble connection must be provided along with unit for connection to room exhaust.
32. The price of a unit must be quoted.

A warranty of at least five years for IVC system and maintaining its efficiency should be provided after installation. Additionally the quotes for AMC subsequently must be provided. In case of malfunctioning and/or dysfunctioning of the system, the technical help and service should be available within shortest possible time frame.

2. Specifications for Individually Ventilated Caging System for housing Mice
Quantity: 5 system (Each with atleast 63 single sided cages)

1	IVC Rack capacity to be minimum of 63 cages for housing Mice, all cages to be on single side with less than 700mm depth to pass through doors.
2	IVC Rack should be made up of Stainless Steel AISI 304 & fully autoclavable
3	Rack must have cage lock with docking indicator with automatic locking,
4	Rack must be mobile with stainless steel casters with sealed bearings with foot operated brakes on all four wheels
5	Compatible dedicated AHU for every rack (i.e., 5 nos) is must and must be complete for necessary connections like HEPA filtered supply and exhaust air delivery. International Certification (UL/ CE) /proof of filter integrity test for HEPA filters is mandatory
6	AHU should have touch screen with color display for monitoring operating status and adjusting settings.
7	Touch screen must display HEPA life indicator as “%age" for HEPA filter life
8	Touch screen to allow "night mode" display to avoid disruption of nocturnal activity.
9	IVC Rack must operate in both positive or negative pressure mode
10	ACH must be settable from 30 – 70 ACH
11	Built in measurement of Temperature and Humidity monitoring of supply and exhaust

air

12 Even air diffusion into each cage should be ensured

13 Air supply must be with reduced airflow requirement

IVC Unit should be supplied with 80 compatible fully autoclavable clear polysulfone

14 Cages for Mice with full visibility.

15 Floor area of the cage should be 500 cm sq. as a minimum

16 Filtered cage top must be with gasket and top to have hinged filter retainer

17 Preferably cage top to have clip / locks for locking cage

18 Full visibility in cages

19 Water bottle should be replaceable without opening the cage

20 Cages to be equipped with feed tray for holding rodent feed

21 There should be separate barrier system for each cage

Protection of animals should be ensured against equipment malfunctioning and

22 electricity breakdown

Label/Cage cardholder should be provided with each cage. Additional cage cardholder

23 amounting to about fifty percent of cages should be supplied.

24 Voltage Requirement should be 200-240V (AC), single phase 50Hz

IVC System must be TIZ BIFO certified as per International standards and certificate copy

25 must be included from the concerned regulatory bodies in the technical bid.

Preferably IVC Rack to have horizontal air exhaust pipes for ease of inspection and

26 cleaning

Plenums do not need to be removed for washing.

27 The price of a unit must be quoted.

Thimble connection must be provided along with unit for connection to room exhaust

Extra bottle amounting to about fifty percent of the total numbers of cages should be supplied.

A warranty of at least five years for IVC system and maintaining its efficiency should be provided after installation. Additionally the quotes for AMC subsequently must be provided. In case of malfunctioning and /or dysfunctioning of the system, the technical help and service should be available within shortest possible time frame