

(राष्ट्रीय पशु जैव प्रोद्योगिकी संस्थान)

National Institute of Animal Biotechnology

Corrigendum -- Change of Opening Date, Tender Title & Specifications

Please refer NIAB Tender Details as follows.

Tender ID : 2020_DBTEC_567993_1

Tender Reference Number : NIAB/SP/2020-21/16

Tender Title : DS IVC system for mice with AH

The following changes may please be noted before submission of bids with respect to the tender details mentioned above.

In place of old dates mentioned in Tender , please consider following dates.

Document Download End Date :- in place of Existing old date --- Read As :- 04/08/2020

Bid Submission End date : in place of Existing old date --- Read As :- 04/08/2020

Bid Opening Date in place of Existing old date --- Read As :- 05/08/2020

1. Specification in place of Existing old Tender Title **DS IVC system for mice with AH**---
Read As : -- DS IVC system for mice with AHU
2. Specification in place of Existing old specifications --- **Read As : - Annexure -1** (as attached below) The specification mentioned below should be treated as revised specification and bid must be submitted accordingly with revised quantity

Rest of the tender conditions remains same.

Manager (S&P)
NIAB-Hyderabad
Date:- 02/07/2020

REVISED SPECIFICATIONS FOR IVC SYSTEM FOR MICE

Individually Ventilated Cage System to house laboratory mice including cages, racks, air Handling Unit and other accessories needed with the following specifications:

I. AIR HANDLING UNITS WITH MICROPROCESSOR TOUCH SCREEN– (compatible for the cages & racks Item no. II & III): Quantity 1

- a) HEPA filtered air should be delivered up to 80 Air Changes per Hour to each individually ventilated cage by an air handling unit equipped with an HEPA filter of at least 0.3µ for both supply and exhaust.
- b) **Multilinking capacity to at least 2 double sided racks, Preferably 4 double sided racks.**
- c) Option should exist for easily setting the number and the type of cages via the control panel.
- d) **AHU should have plastic and / or AISI 304 stainless steel structure noiseless & vibration free movement with sturdy wheels**
- e) It should be Microprocessor based for setting and control.
- f) Should have Temperature and humidity sensors for monitoring of temp and humidity.
- g) DOP/PAO test certification is required for HEPA filters at both supply and exhaust.
- h) AHU should operate silently and the noise level should be 50 dBA or less.
- i) AHU should have easy access to the pre-filters with no tools needed to change.
- j) TUV or any equivalent certification is required.
- k) Exhaust system should have provision to be attached to room's exhaust system.
- l) The Air Handling unit should be supplied [onsite] with a test report containing the following parameters to be tested:
 - 1) Aerodynamic tests (both in positive and negative pressure mode)
 - 2) DOP filter integrity test,
 - 3) Electrical test and
 - 4) Sensors calibration

Important: Response time for breakdown call should be within 10hrs. including holidays and this is an important criterion. Commitment to this clause should be made by the principals and local dealer in the offer.

II. DOUBLE SIDED RACKS: Number of IVC racks required are 01Nos.to accommodate at least 160 to 180 cages in each: **Quantity 1 Rack along with 160 to 180 IVC cages**

- a) The Rack system should be a vertical plenums OR horizontal plenum featuring air nozzles (easy demountable for autoclaving) for the supply and exhaust of air to each individual cage, supply and exhaust air nozzles positioned either in the top or bottom of the cages.
- b) Vertical plenums / horizontal plenum should allow bedding particles and debris to fall by gravity to the main horizontal / vertical exhaust plenum that can be easily vacuumed or disconnected to be washed and autoclaved.
- c) TherackstructureshouldbeAISI304 stainless-steel with plastic runners, cage coordinates and visual indicators for cage properly docked
- d) Therackrunnersshouldhavebuilt-instopperstoavoidmovementofracksindifferent directions.
- e) The main horizontal / vertical plenums should be easy demountable (screw-free) for an easy washing and auto clavable.
- f) Each Rack should accommodate at least 160 or more cages and height not exceeding 1950mm-2100mm

**III. IVC CAGEs System including Bottles, Grills, Filter Tops & Bottoms, Plastic Cards Holders`
(Quantity Extra 80 cages, bottles with all accessories)**

- a) The Overall dimensions should be approximately (L x W x H). 400 mm x 160 mm x 170 mm to occupy a floor area of around 450 to 500 cm². No. of cages sufficient to occupy the racks offered.
- b) The ventilated cage should run in both positive negative pressure mode: the operator should be able to change it easily through the AHU control panel
- c) The system should have asymmetrical cage body, with a possibility to work using both the cage sides without any problem of orienting it.
- d) Caging system should have a gasket, preferably made with silicon, between the top and the cage body, for sealing purposes
- e) The Cage top should have self-centering depression as a provision for water bottle, should have microbiological filter (filtrationefficiency99.5%referredto0.3 particle size) and should have supply and exhaust valve for air ventilation and nylon latches.
- f) Water bottle of approx.: 200ml to 250ml capacity and should have AISI 316 stainless steel cap, cone shaped to maximize the wateravailability.
- g) The Inlet and outlet air nozzles should not invasive inside the cage, thus avoiding cross- contamination.
- h) Inlet and outlet air nozzle should be at the rear top or bottom of the cage.
- i) Air speed in the cage should be lower than0.2m/sec or less.
- j) Cage should be made of Poly sulphone material with cage lock and visual indicator for cage properly docking or locking.

- k) All components must be auto clavable and washable.
- l) Provision for auto clavable plastic card holder.
- m) All accessories in sufficient numbers and compatible with rack, AHU required for complete functionality to be included.

IV . Important Terms & Conditions:

- 1) Detailed literatures (all originals) with technical specifications and features for the entire system and all the accessories to be enclosed with the offer. Please ensure that all the technical specifications and features for the entire system are verifiable in the detailed literature attached.
- 2) The principals/local agents are responsible for loading/unloading of material. Installation testing and checking of specifications should be done at the specified area.
- 3) Response time for breakdown call should be within 10hrs. including holidays and this is an important criterion. Commitment to this clause to be made by the principals and local dealer in the offer.
- 4) Operating power: 220 - 240VAC, 50 Hz of operation as per Indian standards.
- 5) All standard accessories that would be supplied with the system should be clearly mentioned in the offer.
- 6) The system should have a 5 years' onsite warranty including parts and labour from date of successful installation and testing.
- 7) Please indicate the working and shelf life of consumables like HEPA filters.
- 8) Detailed Instructions and service manuals with circuit diagrams, all engineering details, test point voltages etc. for the entire system and accessories should be supplied. Commitment to this clause to be made by the principals in the offer.
- 9) Please indicate the year in which the model was introduced in the market and confirm whether the spares and consumables for the system would be available for a minimum period of 10years
- 10) Pre-installation and utility requirements for installation and running the system should be clearly mentioned.
- 11) List of users in India/abroad (minimum 5 installations each) of the similar models as the one(s) offered along with the names, addresses, telephone numbers and mail ID's to be enclosed separately. Consistent bad track record of services / maintenance issues / installation etc. as confirmed via user feedback with reputed users can be made as a criterion of rejection at the time of technical bid evaluation.
- 12) Demonstration of similar models as the one(s) offered to be given on request at other customer sites if required to do so or needed to check the parameters and quality
- 13) Technical presentations on the systems offered are to be made on request from NIAB. Selection of the system would be based on the response to all the above points apart from the proven technical specifications and features, support, service and suitability to NIAB's requirements. Please therefore respond to all the points.
- 14) Vendor should provide onsite of manufacturer training program on various operating of IVC, AHU, filter change, cage change, air velocity checks and various tests and frequent service visits to check the performance of machine/equipment