



राष्ट्रीय औषधीय शिक्षा तथा अनुसंधान संस्थान गुवाहाटी
**NATIONAL INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH-GUWAHATI**

(Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Govt. of India)
SilaKatamur (Halugurisuk), P.O.: Changsari, Dist: Kamrup, Assam, Pin: 781101.

No. NIPER-G/S&P/68/EQP/IVC/2022-23/63

Date: 23/08/2022

CORRIGENDUM

Subsequent to the pre-bid meeting held on 19/08/2022 in reference to the tender enquiry no. NIPER-G/S&P/68/EQP/IVC/2022-23 dated 08/08/2022 (GeM Bid No. GEM/2022/B/2428972 dated 10/08/2022), please note the following amendments:

| Original Tender Specifications as per the tender dated on 10/08/2022 | Amended Tender Specifications as per the pre bid meeting dated on 19/08/2022 |
|---|---|
| <p>The IVC cage system should be supplied for mice and rats. Each AHU must support 4 single- sided racks for mice or rats. Four rat racks with each rack capacity of at least 36 cages. Six mice racks, each rack capacity at least 80 cages. The quote should include the entire cage assembly consisting of cages, cage grills, water bottles, filters etc., in the racks with a total capacity. In addition, the vendor must quote 30% extra cage assembly for each rack. One extra AHU for Mice and one extra AHU for rats must be quoted. Cage changing stations one each for rats and mice must be quoted.</p> <p>Each AHU should have the following features:</p> <ol style="list-style-type: none">1. Air Circulation: 60 to 90 Air Changes per hour. Air speed in Cages Should be lesser than 0.2 m/sec2. Should be independent and not rack mounting type.3. Should be able to maintain filter load compensation automatically.4. Should be made up of rust-free polymer or stainless steel (SS304 grade or better), easily cleanable, and compatible with gas/chemical sterilization.5. Should be compact and easy to move and handle.6. Should have provision to connect to 4 single racks.7. Should have built-in safety devices/ alarm system for fault indication.8. Should have a microprocessor-based control panel for setting and controlling supply and exhaust air quantity and monitoring average cage temperature, | <p>The IVC cage system should be supplied for mice and rats. Each AHU must support 4 single sided racks for mice or rats. Four rat racks with each rack capacity at least 36 cages. Six mice racks, each rack capacity at least 80 cages. The quote should include all the entire cage assembly consisting of cages, cage grills, water bottles, filters etc in the racks with full capacity. In addition, the vendor must quote 30% extra cage assembly for each rack. One extra AHU for Mice and one extra AHU for rats must be quoted. Cage changing stations one each for rats and mice must be quoted.</p> <p>Each AHU should have following features:</p> <ol style="list-style-type: none">1. Air Circulation: 60 to 90 Air Changes per hour. Air speed in Cages Should be lesser than 0.2 m/sec2. Should be independent and not rack mounting type.3. Should be able to maintain filter load compensation automatically.4. Should be made up of rust-free polymer or stainless steel (SS304 grade or better), easily cleanable, compatible with gas/chemical sterilization.5. Should be compact and easy to move and handle.6. Should have provision to connect to 4 single racks.7. Should have built-in safety devices/ alarm system for fault indication.8. Should have microprocessor-based control panel for setting and controlling supply and exhaust air quantity, and monitoring average cage temperature, humidity, and |

7

humidity, and pressure.

9. HEPA Filters should be DOP Tested. The efficiency level of the filter should be 99.99% to prevent particles ≥ 0.3 microns.
10. Pre-filters must be easily accessible and cleanable.
11. The power supply should be 220 - 240V AC & 50 Hz.
12. Should have silent operation Fans with AC/EC motor and noise level should be ≤ 50 db.
13. Should have the provision to regulate the fan speed.
14. Should have user-friendly touchpad display screen for adjusting various settings.

Each rack should have the following features:

1. Frame structure, supply, and exhaust air headers with air distribution systems should be of stainless-steel SS 304 quality or better.
2. The entire rack with all parts should be easy to clean and disinfect and should be autoclavable.
3. The rack must have a self-locking system for docking the cages properly.

IVC Cages:

1. Cage Floor Area: For mice, minimum 450 sq cm; For rats, minimum 800 sq cm
2. Cages should be of Polysulfone material with good transparency (capacity to withstand a minimum of 200 autoclave cycles without change in transparency).
3. Cages must be individually ventilated and should be able to run in both positive and negative pressure modes.
4. Each cage should have all necessary components such as cage bottom, cage grill (SS 304 grade), cage lid with breathing filter, card holder, water bottles, and locking system.
5. All components of the cages must be washable and should be able to withstand repeated autoclaving.
6. Should have a self-locking system onto the rack with proper docking.
7. The cage lid should be fitted with $0.3\mu\text{m}$ filter in a retainer to allow air entry in case of power failure.
8. The cages should be fitted with a silicon gasket to ensure efficient air sealing
9. Water bottle should be of self-centering type and should hold a minimum of

pressure.

9. HEPA Filters should be DOP Tested. The efficiency level of the filter should be 99.99% to prevent particles ≥ 0.3 micron.
10. Pre-filters must be easily accessible and cleanable.
11. Power supply should be 220 - 240V AC & 50 Hz.
12. Should have silent operation Fans with AC/EC motor and noise level should be ≤ 50 db.
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Each rack should have following features:

1. Frame structure, supply and exhaust air headers with air distribution system should be of stainless-steel SS 304 quality or better.
2. Entire rack with all parts should be easy to clean, disinfect and should be autoclavable.
3. The rack must have self-locking system for docking the cages properly.

IVC Cages:

1. The IVC cages are for breeding purposes and dimensions should be as per recommendations of CPCSEA guidelines for IVC cages for rats and mice.
2. Cages should be of Polysulfone material with good transparency (capacity to withstand minimum 200 autoclave cycles without change in transparency).
3. Cages must be individually ventilated and should be able to run in both positive and negative pressure modes.
4. Each cage should have all necessary components such as cage bottom, cage grill (SS 304 grade), cage lid with breathing filter, card holder along with water bottles and locking system.
5. All components of the cages must be washable and should be able to withstand repeated autoclaving.
6. Should have self-locking system onto the rack with a proper docking.
7. Cage lid should be fitted with $0.3\mu\text{m}$ filter in a retainer to allow air entry in case of power failure.
8. The cages should be fitted with silicon gasket to ensure efficient air sealing
9. The water bottle should be self-centred and should hold a minimum of 200 ml of drinking water.
10. Bottle cap should be without ball bearing, conical shaped to maximize water

300ml of drinking water.

10. Bottle cap (capacity 250 ml or more) should be without ball bearing, conical shaped to maximize water availability to animals.
11. The nozzle should be of high quality (SS 316 grade) and provide perfect sealing once the bottle is placed in position.
12. Air nozzles should be placed above animal height to prevent stress to the animals.

The product should have the following certificates:

1. Calibration certifications for All sensors
2. Filter Integrity
3. DOP (Dispersed Oil Particulate) test certificates
4. TUV Certification
5. ISO 9001/ISO 14001
6. Air flow tests in both positive and negative pressures (on-site)

Optional: Additional racks for mice and rats (including all cages, accessories, and 30% extra cages) must be quoted.

Warranty: 2 years standard warranty with 3 years of CMC.

Support:

- 1 All Essential and optional accessories are to be quoted with the main offer.
- 2 The Supplier should provide a guarantee to supply all the spare parts for a minimum period of Five years.
- 3 Service support should be made available in the institute within 48 hours
- 4 Technical presentation & Demonstration of equipment should be arranged on request.
- 5 List of Users of similar equipment installed in reputed animal houses/Research Institutions to be provided with Addresses and contact details.

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6. Air flow tests in both positive and negative pressures (on-site)

Optional: Additional racks for mice and rats (including all cages, accessories, and 30% extra cages) must be quoted.

Support:

- 1 All Essential and optional accessories are to be quoted with the main offer.
- 2 The Supplier should provide a guarantee to supply all the spare parts for a minimum period of eight years.
- 3 Service support should be made available in the institute within 48 hours
- 4 List of Users of similar equipment installed in reputed animal houses/Research Institutions to be provided with Addresses and contact details.

Clarification regarding warranty clause: It is observed that the warranty clause is appearing in the tender document in two different places (clause no. 4 of General Terms & Conditions and at the end of Chapter 5 at page no. 29) with a different condition. It is now clarified that the warranty clause indicated at Sl. No. 4 of General Terms & Conditions is only applicable, which is applicable with few modifications as indicated in the opposite column Amendments subsequent to pre-bid meeting.

Clause No. 4: This institute as a matter of policy would like to have three years comprehensive warranty.

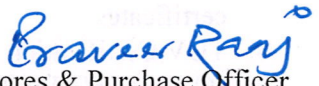
The bidders are expected to supply brand new items. In cases where items are procured from third party as an accessory to the main unit the warranty obligation should get extended to this type of components also. In other words, the bidder/supplier will be directly responsible for fulfilling warranty obligations of entire supply.

The list of consumable items which are not covered under warranty conditions may please be indicated separately for the information of the institute.

Annual maintenance both comprehensive and non-

comprehensive for a period of Two more additional years after expiry of above agreed warranty giving year wise breakup cost, may also, please be quoted in terms of percentage cost on the quoted value for main equipment. Suppliers are also expected to indicate per visit service cost in the absence of annual maintenance contract.

This is for information of all the bidders.


Stores & Purchase Officer
NIPER-Guwahati
भंडार एवं क्रय अधिकारी
नाईपर गुवाहाटी, असम (भारत)
Stores & Purchase Officer
NIPER Guwahati, Assam (India)