

**Open tender notification for the procurement of “Aerosol Inhalation Exposure system” for the Animal BSL-3 facility in Centre for Infectious Diseases of the Indian Institute of Science, Bangalore**

**Last date of submission of tenders:29.07.2022**

**(TENDER FROM DOMESTIC VENDORS)**

Date: 08.07.2022

To whom it may concern

This is a Request for Quote (RFQ) from domestic (India-based) manufacturers or from foreign/ International Original Equipment Manufacturer (OEM) or their Indian authorized distributor for the supply of “**Aerosol Inhalation Exposure system**” as a part of a tender for the Centre for Infectious Diseases Research at the Indian Institute of Science.

Please send your quotation valid for 90 days for the supply of equipment described below.

Your quotation should clearly indicate the terms and conditions of the quotations, delivery, delivery schedule, entry tax, payment terms, warranty coverage, etc.

The tender should be submitted in two separate sealed envelopes – one containing the “Technical Bid” and the other containing the “Commercial bid”, both of which should be duly signed and must reach the undersigned on or before 17:00 hours of 29<sup>th</sup> July 2022

The compliance table should include all the items and in the same order. The first column should describe your compliance in a “Yes” or “No” response. If “No” the second column should state, the extent of the deviation. The “third” column should state the reasons for the deviation if any. The fourth column can be used to compare your solution with that of your competitors or provide details as requested in the technical requirements table below.

**TECHNICAL SPECIFICATIONS**

1. The system must generate aerosol to be used in bacterial infection models.
2. The system must come with an infection chamber made of anodized aluminium tank with a minimum volume of 5 cu. Ft.
3. The chamber must house a stainless-steel wire mesh basket which should be suitable for experiments with rabbit or guinea pigs or mice.
4. The lid/seal of the system must be made of material which is safe and impervious to UV such as acrylic.

5. The system must come with a sturdy glass nebulizer unit which can be customised for delivery of culture to the animals.
6. There should be a vacuum pump system to provide adjustable flows through the tank of up to 1.5 cu. Ft.
7. The system must have easy to read flowmeters to measure the airflow to the chamber. The compressed air line flowmeter should have a range of 2 to 20 SCFM, and the main air flowmeter should be of range of 10 to 100 SCFM.
8. The exhausted air should pass through an HEPA filter unit with a glass fibre medium that has a minimum efficiency of 99.97% on particles as small as 3 microns. Filters should be individually DOP tested at a flow rate of 100 CFM at 1.2' w.g.
9. The apparatus must be housed in a sturdy SS cabinet, mounted on casters. Flowmeters, controls, and nebulizer must be mounted on a recessed panel. Cabinet size must be minimum of 30' wide by 33' deep by 33' high. The incinerator should be at the rear corner of the cabinet.
10. The system should have effective decontamination through filtering and ultraviolet lamps, and it should operate under negative pressure.
11. The system must come with Allen Bradley programmable control to regulate cycles of the inhalation exposure system (preheat, nebulizing, cloud decay, decontamination) and increases its efficiency.
12. The system display time must be in seconds. The display screen should display the process taking place.
13. The system should be quoted with 3 years of comprehensive maintenance contract (CMC), along with validation and spares such as nebuliser, HEPA filters both input and output filters, UV light, service visits, and any other aspects related to operations of the instrument.
14. Training for the assigned staff once a year for 3 years.

**Terms and conditions:**

1. The quote should come only from Indian Original Equipment Manufacturer (OEM) or
2. their Indian authorized distributor.
3. The quotations should be on FOR-IISc Bangalore basis in INR only.
4. The quotations should be submitted in two bids system, i.e., technical bid, and Commercial bid.
5. The technical bid must include all details of technical specifications of the instrument along with commercial terms and conditions masking only the price component. Bill of materials, brochures, technical datasheets, and any other document may be enclosed to help the evaluation of the technical bid. Please also include warranty terms and any other information on upgradation terms in the technical bid.

6. The commercial bid must include the price of the instrument in Indian currency indicating break up of: Installation, commissioning, and training charges, including any incidental expenses if any. GST must also be mentioned separately.
7. The price of every line item in the commercial bid should be quoted along with the total quoted price for the instrument to be operational (fixed and ready to use) in our facility.
8. Both the Technical and Commercial bid should be put in separate sealed envelopes, and put together in another cover stating, **“Aerosol Inhalation Exposure system”** and should reach us on or before 17:00 hours of 29<sup>th</sup> July 2022.
9. The vendor should have a good track record of having previously supplied at least 10 Inhalation Exposure systems in any Central Govt./State Govt./PSU/Autonomous Bodies/Reputed laboratory institutes and other Govt. Department etc (Please furnish details)
10. The vendor should provide local content declaration in terms of percentage of material locally procured and imported as per the OM No P-45021/2/2017-PP(BE-II) dated 16 sep 2020.
11. The vendor should have a team of dedicated engineers for application and service support based out of Bangalore
12. The lead time for the delivery of the equipment should not be more than three months from the date of receipt of the purchase order.
13. The validity period of the quotation should be 90 days.
14. If the goods are found to be defective, they have to be replaced or rectified at the cost of the supplier within 30 days from the date of receipt of written communication from us. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.
15. The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time period to the award of construct without thereby incurring any liability of the affected bidder or bidders
16. Please submit the proposal to the following address: The Convenor, Centre for Infectious diseases Research, Indian Institute of Science, C. V. Raman Avenue, Bangalore 560012.