



F. No. 9-89/21-22/NIHSAD (P&S)

Dated: - 28.12.2022

**(FORTH CALL)**  
**NOTICE INVITING TENDER THROUGH E-PROCUREMENT**

Online Bids are invited from interested firms under two bid systems for **Purchase of Bio-containment Individually ventilated cage system with fittings** at ICAR-NIHSAD, Bhopal (M.P.). Manual bids shall not be entertained. Tender documents may be downloaded from Procurement website of CPPP <https://eprocure.gov.in> as per the schedule as given in CRITICAL DATE SHEET as under: -

**CRITICAL DATE SHEET**

Tender ID	<b>2021_DARE_659080_4</b>
Tender No.	No. F. 9-89/21-22/NIHSAD (P&S)
Name of Organization	ICAR-National Institute of High Security Animal Diseases, Hathai Kheda Dam Road, Anand Nagar, Bhopal – 462022 (M.P.)
Date and time for Issue/Publishing	28.12.2022 on 06:00 PM
Document Download/Sale Start Date and Time	29.12.2022 on 11:00 AM
Pre Bid Meeting Date & Time	10.01.2023 on 11:30 AM
Bid Submission Start Date and Time	29.12.2022 on 11:30 AM
Bid Submission End Date and Time	23.01.2023 on 05:00 PM
Date and Time for Opening of Bids (Technical)	25.01.2023 on 11:00 AM
Price Bid/BOQ Opening Date and Time	Will be intimated after scrutiny of technical bid
Address for Communication	<b>Director, ICAR-NIHSAD</b> , Hathai Kheda Dam Road, Anand Nagar, Bhopal – 462022 (M.P.)

**Administrative Officer**  
**ICAR-NIHSAD**  
**Anand Nagar, Bhopal – 462022 (M.P.)**  
**Phone No.: - 0755-2754672**

**Annexure – I****INSTRUCTIONS FOR BIDDER**

1. The tender form/bidder documents may be downloaded from the website: <https://eprocure.gov.in>. Online submission of Bids through Central Public Procurement Portal (<https://eprocure.gov.in>) is mandatory. Manual/Offline bids shall not be accepted under any circumstances.
2. Tenderers/bidders are requested to visit the website <https://eprocure.gov.in> regularly. Any changes/modifications in tender enquiry will be intimated by corrigendum through this website only.
3. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. The Director, ICAR-NIHSAD reserves the right to accept or reject any or all the tenders.
4. The interested Firms are required to deposit (in original) the Earnest Money Deposit (EMD) of the amount mentioned against item in the form of Account Payee Demand Draft/FDR from any of the Commercial Banks in favour of **ICAR Unit, NIHSAD, Bhopal** payable at Bhopal may be addressed to Director, ICAR-NIHSAD, Bhopal – 462022. The EMD can also be deposited online in an acceptable form on or before bid opening date and time as mentioned in the Critical Date Sheet. In case of depositing the EMD through online mode, proof of EMD (UTR No or any other) must be submitted alongwith tender. No quotation shall be considered without the earnest money deposit. The earnest money will be refunded only after the finalization of the procurement and no interest will be paid on earnest money.
5. The firm should send the **original brochures of the product as well as a copy of complete tender documents** in a sealed envelope addressed to **Director, ICAR-NIHSAD, Bhopal – 462022** on or before bid **opening date and time as mentioned in the Critical Date Sheet**. Original brochures should also be available on the website of the firm.
6. Bidder need not to come at the time of Technical as well as Financial bid opening at ICAR-NIHSAD. They can view live bid opening after login on CPPP e-procurement Portal at their remote end. If bidder wants to join bid opening event at ICAR-NIHSAD then they have to come with bid acknowledgement slip that generates after successful submission of online bid.

The firms are also required to upload copies of the following document: -

- **Technical Bid**

- (a) Scanned copy of Earnest money Deposit (EMD) in favour of **ICAR Unit, NIHSAD, Bhopal**/its exemption, (MSME, NSIC/Startup firms etc. as per Govt. rules) if any.
- (b) Scanned copy of Firm's registration, Pan card, GST No., Tender Acceptance Letter (Annexure – V).
- (c) Scanned copy of Annexure – II and IV duly signed and stamped by the bidder.
- (d) Scanned copy of Technical literature for the products/ Bio-containment Individually ventilated cage system with fittings.

- **Financial Bid**

Price Bid as BOQ\_XXXX.xls

**Administrative Officer**  
**ICAR-NIHSAD**  
**Anand Nagar, Bhopal – 462022 (M.P.)**

**Annexure – II****Terms & Conditions**

1. The tenderer shall quote rates, which will include the delivery & other incidental charges. Taxes etc. should be indicated separately.
2. The rates should be quoted as per the BOQ uploaded on the CPP Portal (reference may be obtained from Annexure – III). Taxes, if any, should be indicated separately. It must be noted that the contract shall be awarded to the firm which fulfills all the required terms and conditions and remains L-1 for any particular items.
3. The firm must also possess valid PAN No., GST No. registration number and a copy of the same must also be enclosed with the tender documents.
4. The Bio-containment Individually ventilated cage system with fittings quoted should be of latest technology. The spare parts of the Bio-containment Individually ventilated cage system with fittings quoted should be available for next 10 years.
5. Modification in the tender documents after the closing date is not permissible.
6. The successful firm shall have to supply the Bio-containment Individually ventilated cage system with fittings within 30 days from the date of confirmed supply order and if the materials are not supplied in time then EMD shall be forfeited. **The rates quoted shall be valid for One Hundred & Eighty days (180) from the date of opening of tender.**
7. The contractor bidder/ or his representative may contact the undersigned at Tel No. 0755-2750647, 2757542 for any further clarification between office hours. No variation in terms of quality of the items shall be entertained or else EMD/Security deposit shall be forfeited.
8. The Director, ICAR-NIHSAD shall have the right to reject all or any of the offers, accept more than one offer, and assign part of the job.
9. Merely quoting of lowest rates does not mean that order shall be given to that firm. The competent authority will finally decide on the basis of quality & performance or past installations.
10. Rates once finalized will not be enhanced/reduced during the currency of the contract.
11. In case, the successful bidder shown inability at any stage, after the contract is finalized and awarded, for whatsoever reason(s), to honour the contract, the earnest money/performance security deposited would be forfeited.
12. The Director, ICAR-NIHSAD reserves the right to cancel the contract at any time during the currency period of the contract without giving any

- reasons.
13. The firm, to whom the tender will be awarded, will have to deposit the performance security equal to 3% of the total amount before supply of the Bio-containment Individually ventilated cage system with fittings. If the services are not found to be satisfactory, the performance security is liable to be forfeited. No interest will be paid on performance security.
  14. If any dispute(s) arises between ICAR-NIHSAD and the firm with reference to the contract, ICAR-NIHSAD will decide it and its decision will be binding on the firms.
  15. No official of a procuring entity or a bidder shall act in contravention of the codes which includes
    - (i) Prohibition of
    - (a) Making offer, solicitation or acceptance of bribe, rewards or gift or any material benefits, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.
  16. Our institute is registered with DSIR and we are exempted from Excise Duty & Custom Duty. Hence, CDEC/DSIR will be provided to the firm, if demanded. Rate should be quoted accordingly.
  17. **Payment -**  
 PAYMENT TERMS: Payment will be made within reasonable time say within 30 days from the date of receipt of material in good condition without any damage. **Since the mode of payment will be e-payment system, hence Bank Account Number, name of bank with location and IFSC Code Number of Bank may be furnished on the body of the bill.**
  18. **Supply:-**  
 Within 30 days from the date of issue of purchase order.  
**Liquidated Damage clause: -** It would be realized @ 0.5% (half per cent) of the base price (excluding taxes) of the delayed goods for each week of delay subject to maximum 10%.
  19. **Warranty: -**Warranty 2 Years should be **as per Annexure VII** or at least two year from the date of Installation & commissioning whichever is higher.

**‘Terms & conditions are acceptable’**

Date:-

**(Authorized Signatory of the firm)**

### ANNEXURE – III

**(Reference for BOQ) (To be quoted in format provided on CPP Portal)**

**Price bid for Purchase of Bio-containment Individually ventilated cage system with fittings at ICAR-NIHSAD, Bhopal–**

<b>Sr. No.</b>	<b>Name of the item</b>	<b>Qty</b>	<b>Price (In figure/words) (as per BOQ)</b>
<b>1.</b>	<b>Cost of Bio-containment Individually ventilated cage system with fittings (4<sup>th</sup> Call)</b>	<b>01 No.</b>	<b>Price should only be quoted in BOQ format provided in CPPP</b>

- \* Items should be of reputed make and suitable for high end elite users.
- \* Tax extra as applicable should be indicated separately in the column provided.

**Note:-** The above mentioned Financial Proposal/Commercial bid format is provided as BoQ\_XXXX.xls along with this tender document at <https://eprocure.gov.in>. Bidders are advised to download this BoQ\_XXXX.xls as it is and quote their offer/rates in the permitted column and upload the same in the financial bid. Bidder shall not tamper/modify downloaded price bid template in any manner. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with ICAR-NIHSAD.

**Annexure – IV**

भाकृअनुप-राष्ट्रीय उच्च सुरक्षा पशुरोग संस्थान  
**ICAR-National Institute of High Security Animal Diseases**

(एवियन इन्फ्लूएंजा ओ.आई.ई. संदर्भ प्रयोगशाला)  
 (OIE Reference Laboratory for Avian Influenza)

आनंद नगर, भोपाल - ४६२०२२ (म.प्र.), भारत  
 Anand Nagar, Bhopal - 462022 (M.P.), India



EPABX Tel. No. 0755-2757542, 2750647, FAX: 0755-2758842, Website: www.nihsad.nic.in

Name of the Firm \_\_\_\_\_

Registered/Postal Address \_\_\_\_\_

1.	Permanent Account Number (PAN)	
2.	GST Registration No.	
3.	<b>BANK DETAILS: -</b>	
a)	Bank Name	
b)	Branch Address	
c)	Account No.	
d)	Type of Account (Current/Savings)	
e)	MICR No.	
f)	RTGS/NEFT Code	

Date: - .....

Name of the Authorized Signatory

Stamp & Signature

Place: - .....

**Annexure – V****TENDER ACCEPTANCE LETTER**  
(To be given on Company Letter Head)

Date:- .....

To,

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Sub:- Acceptance of Terms &amp; Conditions of Tender.

Tender Reference No.: .....

Name of Tender / Work: -

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Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

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as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein
3. The corrigendum(s) issued from time to time by your department/ organizations too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above



mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

**(Signature of the Bidder, with Official Seal)**

**ANNEXURE - VI**

**Details of Bio-containment Individually ventilated cage system with fittings & EMD**

Purchase of Item	Qty	Earnest Money in INR	File No. for reference
Cost of Bio-containment Individually ventilated cage system with fittings (4 <sup>th</sup> Call)	01 No.	Rs. 2,00,000/- in favour of ICAR Unit, NIHSAD, Bhopal (DD/FDR)	9-89/21-22/NIHSAD (P&S)

## ANNEXURE – VII

### **TECHNICAL SPECIFICATIONS**

#### **Bio-containment individually ventilated cage system with fittings**

**General:** Supply, Installation, Testing and Commissioning of “Mobile, Individually Ventilated Caging Systems (IVC) for housing rats/ guinea pigs /hamsters and respiratory virus challenged animals under negative bio-containment conditions with bottle type drinking water arrangement.

#### **Air Handling Unit-**

1. Stand-alone type, capable of handling a minimum of 24 to a maximum of 48 cages.
2. HEPA filters and pre filters should be fitted on both supply and exhaust systems of AHU and the efficiency level of the filter should be 99.999 % to prevent the entry of particles of more than 0.3micron size. HEPA filters should be DOP tested.
3. Air handling unit of the BCU should provide minimum 60 or more Air change/ hour.
4. The system should have built in safety devices/ alarm indicating system failure, filter choking etc. It should have ability to signal alarms when temperature and relative humidity, supply airflow, exhaust airflow, air pressure etc., conditions set up by operator are breached. There should be a mechanism whereby a SMS and email is received indicating system failure. Or software supported system to retrieve data with help of external device like pendrive etc.
5. Provision for real time display of critical parameters like temperature, relative humidity, number of air changes per hour (ACH) etc. Also display HEPA life indicator as “%age” for HEPA filter life.
6. There must be a provision to discharge the exhaust HEPA filtered air out of the room via a thimble connection directly with the room exhaust. All the fittings and workmanship for the same will be in the scope of supplier. All the joints should be sealed airtight with silicon or equivalent sealant. The exhaust connections need to be tested for any leakages on site. All the relevant tests need to be done in the presence of technical team of the institute.
7. The IVC system should be capable of providing constant high negative pressure inside the cage to provide safe environment for the operators.
8. Noise level generated by the equipment should be less than 50 dBA.

#### **Cages and Bottles: (A minimum of 48 to be included in the quote)**

1. Cages should be made of Polysulphone material with clarity/transparency capable of bearing frequent autoclave cycles. Caging accessories like cover grills, water bottles, label holders etc. should be included.
2. The cages including bottle fittings should be hermetically sealed appropriately to prevent leakage of air. Cages should be demonstrated to be leak proof during onsite installation.
3. There should be a Visual Indicator or mechanism whereby operator can immediately see if the cage is properly in place on the rack.

4. Cages should come with gasketed self-closing nozzles so that as soon as cage is removed from the rack it remains pressurized for a long time to ensure safety and protection for operators.
5. Cages should have a floor space as per national/ international recommendations for housing rats/ guinea pigs/ hamsters–and appropriate air filter/safety feature for animals to permit filtered air exchange in case of any system/power failure.
6. Cage should be fitted with HEPA filters with efficiency of at least 99.97% at cage level to ensure maximum safety for the personnel during procedures or in case of power failure.

#### **Racks:**

1. **Capacity of Minimum 24 and maximum 48**
2. Racks should be of Stainless Steel AISI 304 or better material, fully autoclavable (amenable to sterilization or decontamination)
3. Automatic cage lock system
4. Rack must be mobile with foot operated brakes on wheels
5. The BCU design should be compact in such a way that, it can be placed in the said animal room or the final assembly of BCU may be done inside the room. (Compatible dimensions – maximum 6ft length, 25 inch width and 6ft height)
6. There should be 2 Blowers one each at supply and exhaust in case of blower failure
7. BCU-with analog/manual mode so that system can be used in case of PLC error.
8. Battery backup (Inbuilt) with for at least 10hrs uninterrupted power supply OR an UPS to be supplied along with the unit with 10hr backup for 200watt load.
9. Card holder fitting to give visibility of animal inside the cage.
10. Voltage compatibility in the range of 180-264V or supplied with a compatible voltage stabilizer, 50/60 Hz
11. Power consumption within 200watts preferably with DC
12. Noise less than 50 dBA
13. Audible Alarm Option, trigger on blower & power fail

#### **Accessories**

1. Single sided bedding disposal unit (maximum length 3ft) should be included as an accessory which should ensure operator protection from airborne particulates generated during bedding disposal operation. Room air should be drawn into the front working area of hooded enclosure, preventing aerosols from escaping into the room. The contaminated air should be exhausted through the HEPA filtered exhaust ensuring environment protection. The attached waste gallon should preferably be with castors.
2. Replacement HEPA filters for the air exhaust and supply unit – 3 setspares each
3. Replacement micro barrier filter or pre-filter sheet or device (100 replacements) for the individual cage.
4. Water bottles- 10 extra than the supplied number
5. Cages - Extra 6 than the supplied number

## **Installation and Commissioning**

1. The equipment must be fitted into the existing HVAC system and if necessary thimble and duct to be attached to the available HVAC system (room size: (LxBxH= 17ft x 18ft x 11ft) one supply and exhaust in the room with (450X450 mm) of approx. available blower capacity 480cfm
2. Zero leakage at the ventilator level to be ensured
3. Onsite tests and compliance of the equipment for validation
  - i. Smoke test for the correct airflow
  - ii. Differential pressure test across the HEPA filters
  - iii. Vibration level test of the equipment if required.
  - iv. Noise level test of the equipment

## **Other terms and conditions**

1. *Warranty for 2 years*
2. *Performance certificate and a list of at least 3 customers should with at least one supply to BSL3 lab be included*
3. *The vendor should have at least 10 years' experience of manufacturing & supply of IVCs.*
4. *Annual Maintenance cost for five years beyond the warranty period also to be quoted for the Bio-containment IVC system*
5. *Photographs of each item quoted should be attached as a separate annexure.*

**Financial Bid (BOQ) should be filled & uploaded separately**

To

**The Director,**  
NIHSAD,  
Bhopal – 462021 (M.P.)

Sir,

I/We submit our tender with respect to financial bid for Purchase of Bio-containment Individually ventilated cage system with fittings at NIHSAD, Bhopal and my/our rate is as follows which may be read with reference to Schedule – II: -

<b>Financial Bid (BOQ)</b> <b>(For reference purpose only and not to be filled with technical bid)</b>				
Tender Inviting Authority: Director, ICAR-NIHSAD, Bhopal Name of Item: Purchase of Bio-containment Individually ventilated cage system with fittings(4 <sup>th</sup> Call) Contract No: 9-89/21-22/NIHSAD (P&S)				
Name of the Bidder/ Bidding Firm / Company:				
<u>PRICE SCHEDULE</u>				
NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5
1	Item			
1.01	Cost of Bio-containment Individually ventilated cage system with fittings(as per Annexure – VII)(4 <sup>th</sup> Call) (Amount in INR)		0.00	INR Zero Only
1.02	Applicable GST % (Amount in INR)		0.00	INR Zero Only
Total in Figures			0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only		

I/We agree to forfeiture of the EMD deposited by me/us in connection with tender if we fail to comply with any of the terms and conditions in whole or in part as paid down in the tender documents. We have carefully read the terms and conditions of the tender and agree to abide by these in letter and spirit.

In other terms and conditions that the tender would like to specify, it will form a part of the schedule.

Note:- The National Institute of High Security Animal Diseases, Indian Council of Agricultural Research under the Deptt. Of Agriculture Research and Education (DARE), Govt. of India is engaged in Research and Development activities in the field of Animal Sciences. This Institute is 100% funded by the Govt. of India and has been exempted from the payment of Excise Duty under Notification No. 51/96-Gustoms dated 23.July, 1996 and amended by Notification No. 43/2017 dated 30.06.2017, Notification No. 47/2017-Outergrated Tax (Rule) dated 14.11.2017 and Notification No. 45/2017-Central Tax (Rate) dated 14.11.2017, Notification No. 45/2017-Union Territory Tax (Rule) dated 14.11.2017 and is registered under the Ministry of Science & Technology, Deptt. Of Scientific and Industrial Research vide Regd. No. TU/V/RG-CDE (1235)/2019 dated 01.09.2019. Hence, GST may applicable accordingly.

**Signature**  
**Name and address of the firm with phone number**