

**LIMITED TENDER ENQUIRY**

**SUPPLY AND INSTALLATION INCUBATOR**

**AT**

**INSTITUTE OF ADVANCED VIROLOGY**

**BIO 360 LIFE SCIENCES PARK**

**THONNAKKAL**

**THIRUVANANTHAPURAM-695317**

**Tender No. IAV/LTE/301/004**

**Date of issue: 01.11.2022**

**Date of closing: 14.11.2022 at 1200 hrs**

## TENDER NOTICE

Institute of Advanced Virology, an autonomous institution under Science and Technology, Govt. of Kerala, Thiruvananthapuram invites sealed tender under **Two-Bid system for SUPPLY AND INSTALLATION OF INCUBATOR** from manufacturers/authorized distributors (as per the specification in this tender).

1. **Last date/time for submission of bids: 14.11.2022 at 1200 hrs.** The bids are to be submitted in the tender box maintained at office of the Administrative Officer, Institute of Advanced Virology, Bio 360 Life Sciences Park, Thonnakkal, Thiruvananthapuram-695317.
2. Only those bidders, who qualify in the technical evaluation will be graduated to the opening of financial bids. In case of any holiday or unforeseen closure of the institute on the scheduled day of opening of the bid, the bids will be opened on the next working day at the same time, but the deadline of submission of bids remains the same as indicated above.
3. Bids received after the above-mentioned date and time shall not be considered. Conditional bids will be rejected outright.
4. The responsibility of submission of the bids on or before the last date shall rest with the tenderer. The institute will hold no responsibility for the non-receipt of the bids or for the bids received after the date/time specified. Any bid received after the bid submission deadline prescribed by the Institute, shall not be considered.
5. The institute will respond to any request for clarification of the Tender Document that are received up to **Two (02) days** prior to the deadline for submission of bids prescribed. For this purpose, the prospective Bidder(s) requiring clarification shall notify/contact the Institute in writing at the registered address.

Director

**BoQ : SUPPLY AND INSTALLATION OF INCUBATOR**

The tentative quantity of the items required is as follows:

SI No	Description of the item	Deno	Quantity
1	INCUBATOR (as per specification given below)	Nos	1

**Technical Specifications:**

<b><u>Incubator</u></b>		
<b>Chamber volume (L/cu ft)</b>	60 / 2.1	
<b>Temperature</b>	Range (°C/ °F )	Amb. +5 to 70 / Amb. +9 to 158
	Fluctuation 1 at 37°C (±°C /°F)	0.1 / 0.18
	Variation 1 at 37°C (±°C /°F)	0.6 / 1.08
<b>Dimension ( W*D*H)</b>	Interior (mm / inch)	400*360*420 / 15.7*14.2*16.5
	Exterior (mm / inch)	595*555*745 / 23*22*29
	No. of wire shelf (standard / Max.)	2 / 7
	Net weight (Kg / lbs)	45 / 99
<b>Electrical requirements (230V, 50 / 60Hz)</b>	1.3A	
<b>Controller</b>	Microprocessor PID control / Temperature calibration / Automatic tuning	

Design	<ul style="list-style-type: none"> <li>• Vibration- free design ideal for yeast cultivation</li> <li>• Air- jacked natural convection is beneficial for uniform temperature distribution and minimal sample contamination caused by external air intrusion.</li> </ul>
Heating Element	Durable incoloy heating element with radiator fans for efficient heat dissipation
Display	Intuitive control panel with bright LED display. (0.1°C resolution)
Timer Type	Dual wait on/ off timer modes. (1min. to 99hr. 59 min.)
Temperature settings	Convenient preset function for 3 most commonly used temperature settings
Use of tempered- glass door	Convenient sample monitoring without affecting chamber temperature via the inner tempered- glass door
Interior	Corrosion- resistant stainless steel interior with rounded corners for easy cleaning and optimal air flow.
Type of wall door	Fully insulated dual-wall door with magnetic rubber gasket
Interface	RS-232 interface for external control and data collection
Alarm Type	Audible and visible open door alarms
Other Features	<ul style="list-style-type: none"> <li>• Built-in cable port to use other instruments inside the chamber. (Diameter: 38mm, provided silicon or rubber cap).</li> <li>• Stackable up to 2 units using the optional stacking kit. (optional)</li> <li>• Automatic run after power interruption.</li> <li>• Keypad lock function prevents accidental changes during operation.</li> <li>• Over- temperature and over-current protection</li> </ul>

## **Instructions to Bidders including Terms and Conditions**

### **1.Scope of Bid**

**SUPPLY & INSTALLATION OF INCUBATOR** as per the given technical specifications

### **2.Cost of Bidding**

2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid and the IAV shall in no case be responsible or liable for those costs regardless of the conduct or outcome of the bidding.

### **3.Amendment in the Tender Document**

3.1. At any time prior to the deadline for submission of bids, the IAV may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender Document by way of amendment(s).

3.2. Amendments will be uploaded in the Institute website [www.iav.kerala.gov.in](http://www.iav.kerala.gov.in) and shall be binding on the bidders. Further, it will be assumed that the Bidder has taken into account such amendments while submitting the bid.

### **4.Language of Bid**

4.1. The bid prepared by the Bidder and all correspondence and documents related to the tender exchanged by the Bidder and the IAV shall be in English and the contract shall be construed and interpreted in accordance with that language.

4.2. If any of the brochures, leaflets or communication is prepared in any language other than English, a translation of such document, correspondence or communication to English shall also be provided at the cost and risk of the bidder. The translation so provided shall prevail in matters of interpretation. The bidder, with respect to such documents, correspondence, and communications, shall bear the costs and risks of such translation.

### **5.Eligibility Criteria**

The contractor/agency be manufacturer or authorised supplier of the product and should have valid GST registration (proof to be submitted along with the bid).

### **6.Documents Comprising the Bid:**

All bids must be substantially responsive and shall comprise the **Technical Bid and Commercial Bid in separate sealed covers** suitably superscribed as Technical Bid and Commercial Bid. Cover 1 should contain the technical bid and Cover 2 should contain the commercial bids.

The technical bid should contain a compliance statement as per **Annexure I** and shall submit along with supporting technical literature / brochure for evaluation. Bidders shall also submit **EMD of Rs.2,000/-** in the form of Account Payee Demand Draft. DD should be made in favour of The Director, Institute of Advanced Virology payable at Thiruvananthapuram.

## **7. Financial Bid**

The bidder shall quote the rates and amount in the format prescribed as per this tender document at **Annexure II**. The price shall be inclusive of all taxes and other costs involved.

### **OTHER TERMS AND CONDITION**

1. **Period of Validity of Bids:** Bids shall remain valid for a period of 180 days after the date of deadline for submission of bids prescribed by the IAV.

#### **2. Deadline for submission of Bids**

The deadline for submission of bids is **14.11.2022 at 1200 hours**. The IAV may, at its discretion, extend this deadline for submission of bids in which case all rights of the IAV and all obligations of the Bidders will thereafter be subject to the deadline as extended.

#### **3. Opening and Examination of Bids**

a. The technical bids will be **opened on 14.11.2022 at 1500 hours**. Bidders or their representative may be present during the opening of technical bids, if they wish to be present, following due COVID protocols.

b. The IAV will evaluate the technical bids as per the terms of the tender. Those bids, whose technical bids fulfill the technical requirements and responsive to the tender requirements will be considered. Those bids which found to be either non-responsive, not satisfying the technical requirements or both will not be considered and will be rejected.

c. The price bids of the bidders on the basis of evaluation as mentioned in will only be considered of the next stage of processing.

d. The IAV will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required security has been furnished, whether the documents have been properly signed and whether the bids are generally in order.

e. Prior to the detailed evaluation, the IAV will determine whether each bid is complete and is substantially responsive to the Tender Document. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the Tender Document without material deviations, exceptions, objections, conditionality or reservations.

f. If a bid is not substantially responsive, it shall be rejected by the IAV and may not subsequently be made responsive by the bidder by correction of the nonconformity. The IAV's determination of bid responsiveness will be based on the contents of the bid itself and any written clarifications submitted by the bidder.

#### **4. Clarification of Bids:**

During the bid evaluation, the IAV may, at its discretion, ask the Bidder for clarifications of their bid in writing/e-mail and the bidder is also required to provide the clarification in writing. No change in the price or substance of the bid shall be sought, offered or permitted.

#### **5. Evaluation of Responsive Bids:**

The IAV will evaluate the bids that have been determined to be substantially responsive and are confirming with the technical specifications.

## **6. Contacting the Institute**

- a. From the time of bid opening to the time of Contract award, if any Bidder wishes to contact the IAV on any matter related to the bid, it shall do so in writing.
- b. If a Bidder tries to directly influence the IAV or otherwise interfere in the bid evaluation process and the Contract award decision, his bid shall be rejected.

## **7. Award Criteria**

IAV will award the contract to the Bidder whose bid has been determined to be substantially responsive, technically qualified and the Lowest Quoted Evaluated Bid.

## **8. Right to Accept/Reject/Modify Bids**

- a. The IAV reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the Bidders.
- b. The IAV reserves the right to negotiate with the Bidder having the Lowest Evaluated Bid.

## **9. Issue of Purchase Order**

Prior to the expiration of the period of bid validity, the IAV will issue the Purchase Order to the successful bidder in writing. The bidder has to supply the item within the time specified in the purchase order.

## **10. Terms of Payment**

Payment will be made only after completion of supply of items and installation in all aspects as per the tender specifications to the satisfaction of the officials of the Institute.

## **16. Governing Law:**

The Contract shall be governed by and interpreted in accordance with the laws of India.

## **17. Settlement of Disputes:**

Any dispute or claim arising out of/relating to this tender or the breach, termination or the invalidity thereof, shall be settled by the Hon'ble Courts of Justice at Thiruvananthapuram.

**18.** All the pages of the bids, including all supporting documents enclosed with the tender document, should be marked in all pages serially and the declaration for the same shall be submitted by the bidder as **Annexure III**.

**19.** Institute of Advanced Virology reserves the right to accept or reject any or all the tenders in part or whole or may cancel the tender at its sole discretion without assigning any reason whatsoever. No further correspondence in this regard will be entertained.

**20.** Warranty period of the supplied products shall be **2 years** from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

**21.** Successful Bidder shall submit a performance guarantee equivalent to **5% of the total order value for a period of 26 months** in the form of Account Payee Demand Draft. DD should be made in favour of Director, Institute of Advanced Virology payable at Thiruvananthapuram. Successful bidder has to ensure delivery of hard copy of the original DD to the Buyer within 15 days of award of contract.



**ANNEXURE I**

**FORMAT FOR COMPLIANCE STATEMENT**  
**INCUBATOR**

Name of the bidder :  
Name of the manufacturer :  
Model Quoted :

<b>TECHNICAL SPECIFICATIONS</b>		<b>COMPLIANCE (Yes/No)</b>	<b>Remarks if any</b>
Chamber volume (L/cu ft)	60 / 2.1		
Temperature	Range (°C/ °F)	Amb. +5 to 70 / Amb. +9 to 158	
	Fluctuation 1 at 37°C (±°C /°F)	0.1 / 0.18	
	Variation 1 at 37°C (±°C /°F)	0.6 / 1.08	
Dimension (W*D*H)	Interior (mm / inch)	400*360*420 / 15.7*14.2*16.5	
	Exterior (mm / inch)	595*555*745 / 23*22*29	
	No. of wire shelf (standard / Max.)	2 / 7	
	Net weight (Kg / lbs)	45 / 99	
Electrical requirements (230V, 50 / 60Hz)	1.3A		
Controller	Microprocessor PID control / Temperature calibration / Automatic tuning		
Design	<ul style="list-style-type: none"><li>• Vibration- free design ideal for yeast cultivation</li><li>• Air- jacked natural convection is beneficial for uniform temperature distribution and minimal sample contamination caused by external air intrusion.</li></ul>		

Heating Element	Durable incoloy heating element with radiator fans for efficient heat dissipation		
Display	Intuitive control panel with bright LED display. (0.1°C resolution)		
Timer Type	Dual wait on/ off timer modes. (1min. to 99hr. 59 min.)		
Temperature settings	Convenient preset function for 3 most commonly used temperature settings		
Use of tempered- glass door	Convenient sample monitoring without affecting chamber temperature via the inner tempered- glass door		
Interior	Corrosion- resistant stainless steel interior with rounded corners for easy cleaning and optimal air flow.		
Type of wall door	Fully insulated dual-wall door with magnetic rubber gasket		
Interface	RS-232 interface for external control and data collection		
Alarm Type	Audible and visible open door alarms		
Other Features	<ul style="list-style-type: none"> <li>• Built-in cable port to use other instruments inside the chamber. (Diameter: 38mm, provided silicon or rubber cap).</li> <li>• Stackable up to 2 units using the optional stacking kit. (optional)</li> <li>• Automatic run after power interruption.</li> <li>• Keypad lock function prevents accidental changes during operation.</li> <li>• Over- temperature and over-current protection</li> </ul>		

\_\_\_\_ (Authorized Name & Signatory of Agency/firm with stamp)

**ANNEXURE II**

**FINANCIAL BID**

<b>SI No</b>	<b>Description of the item (Specify the make, model, capacity and other specifications. Attach separate sheet if required)</b>	<b>Quantity</b>	<b>Unit price inclusive of all taxes (₹)</b>	<b>Total Price Inclusive of all taxes (₹)</b>
1				

The rate quoted is inclusive of the cost of items, taxes, cess, transportation, loading/unloading charges, installation at site and other incidental expenses.

Place:

(Authorised signatory)

Date:

**Annexure III**

**UNDERTAKING BY THE TENDERER**

I/We have carefully gone through the various terms and conditions mentioned in the tender document titled **SUPPLY AND INSTALLATION OF INCUBATOR**

I am making this offer is after carefully reading the conditions and understanding the same. I have understood the quantity of items/technical specifications and other charges required to supply and install the items, before making this offer.

This tender document has \_\_\_\_\_ pages including the attachments and all the documents including blank pages are serially numbered.

I hereby sign this undertaking as token of our acceptance of various conditions mentioned in tender document.

Further certified that I/we (the firm) has never been debarred/blacklisted by any government organisation.

Place: \_\_\_\_\_

Dated: \_\_\_\_\_

(Authorized Name & Signatory of Agency/firm with stamp)