


An Autonomous Institute of the Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India

## STORES AND PURCHASE SECTION

|                  |                  |   |  |
|------------------|------------------|---|--|
| <b>E-mail</b>    | spm@niab.org.in  |  | <b>Address</b>   |
| <b>Telephone</b> | +91 40 2304 9404 |   | D. No: 1-121/1, 4 <sup>th</sup> & 5 <sup>th</sup> Floors, Axis Clinicals |
| <b>Telefax</b>   | +91 40 2304 2740 |   | Building, Miyapur, Hyderabad, Telangana,                                 |
| <b>Website</b>   | www.niab.org.in  |   | India - 500049   |

## TENDER / BID DOCUMENT

### **NOTICE INVITING SEALED TENDERS /QUOTATIONS (SINGLE BID)**

**(SINGLE BID SYSTEM = Technical specification and price to be quoted in single quotation)**

Director, NIAB, Hyderabad, invites sealed offers from reputed manufacturers or their authorized agents for the supply of the following items.

| SN | Name of item  | Qty.  | Tender No<br>Put this Ref. No.<br>on the top of cover | Bid Type                 |
|----|---|-------|---|--------------------------|
| 1  | <b>Horizontal Laminar Flow Cabinet (Table Model)</b><br><b><u>Detailed Specification mentioned in Chapter 4</u></b> | 2 Nos | NIAB/SP/2015-16/01                                    | <b><u>SINGLE Bid</u></b> |

|  |   |   |
|--|---|---|
| <b>TENDER EMD (REFUNDABLE)</b>               | Rs Nil /-   | Tenders without TENDER FEES / EMD (if applicable) will be rejected.     |
| <b>TENDER FEES (NON - REFUNDABLE)</b>        | Rs 500 /-   |   |
| <b>MODE OF PAYMENT OF EMD/FEES</b>           | <b>Demand Draft</b> of any nationalized/commercial bank.<br><br>Demand Draft must be enclosed along with the quotation.<br>Please mention firm name & contact no, tender ref no backside of demand draft.               |   |
| <b>DD IN FAVOUR OF</b>                       | <b><u>National Institute of Animal Biotechnology</u></b><br>payable at Hyderabad.   |   |
| <b>TENDERS TO BE SUBMITTED TO</b>            | Stores & Purchase Manager<br>National Institute of Animal Biotechnology (NIAB),<br>D. No. 1-121/1, 5 <sup>th</sup> Floor, Axis Clinical Building,<br>Opp. to Cine Town, Miyapur, Hyderabad, Telangana , India - 500 049 |   |
| <b>LAST DATE &amp; TIME FOR SUBMISSION</b>   | <b>21-07-2015 up to 14.00 hrs</b>   | Please strictly adhere to the dates / times mentioned in this document. |
| <b>DATE &amp; TIME FOR OPENING OF TENDER</b> | <b>21-07-2015 at 14.30 hrs</b>  |   |
| <b>PLACE OF OPENING</b>                      | Store and Purchase section - NIAB , Hyderabad   |   |
| <b>PRE-BID MEETING</b>                       | <b>No Pre-Bid meeting. (Contact information given at the end of this document for queries (if any) about tender.</b>  |   |

The objective of Pre-Bid Meeting is to provide a platform for clarifying issues and clearing doubts, if any, about the specification and other allied technical / commercial details of the bid document. This is also an opportunity to question the bidding conditions and the bidding process. Bids should be submitted only after the PBM if any so as to take care of the changes made in the bidding document. The prospective PBC participants should inform their intention to participate and send written queries at the email [santosh@niab.org.in](mailto:santosh@niab.org.in), [spm@niab.org.in](mailto:spm@niab.org.in) sufficient before PBC date to enable us to keep the response ready. The changes made to the bidding document subsequent to the PBM shall be treated as amendment to this bidding document and the same shall also be hosted on NIAB website.

# **BID DOCUMENTS CHAPTERS**

**Chapter 1: Application Form to be submitted with Quotation.**

**Chapter 2: Important Terms and Condition**

**Chapter 3: Standard Forms, ( To be submitted by the bidders )**

**Chapter 4: Specifications / Scope Of Work**

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Please refer to the detailed specifications & important points / clauses / terms and conditions mentioned in this document as per above chapters. Please read all points of BID Document very carefully before submission of your bid.

## **This Tender/Bid shall be submitted in Single Bid**

Single bid means total offer/bid/Quotation with EMD / Tender Fees (if applicable), all terms and conditions, price quote & technical literature/details etc. required formats in and as one single document & in One Single Envelope.

Please Check and submit all forms and formats to be submitted with quotations as per chapter No 3. Offers/BID without this shall be summarily rejected.

**The competent authority in NIAB will have full right to reject any/all offer(s) without assigning any reason thereof and does not bind itself to accept the lowest or any other tender and full authority to postpone the tender issue date, submission /opening date or to alter any other condition of tender as per Policy/Committee recommendations of NIAB for which no claim from whomsoever will be entertained.**

Sd /-  
Manager (Stores & Purchase)  
For Director , NIAB

## Chapter 1: Application Form to be submitted with Quotation.

**The following form should be filled / printed, stamped/attested by firm and to be submitted along with quotation.**

| APPLICATION FORM FOR NIAB TENDER  |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
|---|---|---|-------|----------------|---------------------------|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|
| TENDER NO - NIAB/SP/2015-16/01 dt 19-06-2015  |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 1   | <b>1. Name of the Company/Firm :</b><br><b>2. Name of Authorized Person</b><br><b>(Who signs on the tender document) :</b><br><b>3. Office Address :</b><br><b>4. Phone No. :</b><br><b>5. e-mail address :</b><br><b>6. Mobile No. :</b>   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 2   | Status (Whether Company/ Proprietary/ Firm/ Individual/Any other )  |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 3   | Annual Turnover of Last 03 years<br><div style="text-align: right;">                     2011-12<br/>                     2012-13<br/>                     2013-14                 </div>   | <b>(Proof to be attached )</b>  |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 4   | <b>Sales Tax registration Number</b><br><b>Permanent Account Number</b><br><b>VAT/TIN Number</b><br><b>Service tax Registration Details</b>   | <b>(Proof to be attached )</b>  |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 5   | Certificate of Authorized distributors of the products is submitted?  | Yes / No<br><br><b>(Proof to be attached )</b>  |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 6   | List of equipment/Instruments/facility required for this services owned by Firm.  | Yes / No<br><br><b>(Proof to be attached )</b>  |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 7   | Hyderabad based local service support available? <b>If Yes, give all following details.</b><br>Location /Address of Service Centre ,Name of Technical /In charge Person / Qualification, Phone/Fax/Email  | Yes / No  |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 8   | A list of organizations where the supplier has supplied the items/services covered in the tender is required. Past experience in this field & client list of the same item supplied is submitted?<br><br>Client List for the same item (Write first client of Hyderabad/AP ( if any) & then other part of india).<br><b>(Proof to be attached )</b> | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr No</th> <th style="width: 50%;">Name of client</th> <th style="width: 40%;">Location /Contact Details</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td><td></td></tr> </tbody> </table> | Sr No | Name of client | Location /Contact Details | 1 |  |  | 2 |  |  | 3 |  |  | 4 |  |  | 5 |  |  |
| Sr No   | Name of client  | Location /Contact Details   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 1   |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 2   |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 3   |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 4   |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| 5   |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| The above information provided is true and in case if it is found incorrect/false, my participation in this tender will be cancelled. |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| Competent Authority to sign:<br>Name, Designation:<br>Date with stamp & seal of organisation:   |   |   |       |                |                           |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |

## **Chapter 2: Important Terms and Condition**

1. The rate quoted must be inclusive of all taxes and other charges up to NIAB /CIP , Hyderabad.
2. Firm must have past experience of supply of same items/service as per this tender requirement. **Proof of the same is required.**
3. Please **read following points** before preparing Price Bid /Quotation and submit your quotation along with PRICE SCHEDULE 'A' & PRICE SCHEDULE 'B' after considering all the points.

| SN | Point   | Description  |
|----|---|--|
| 1  | Price Breakup   | <p>The Bidder shall indicate the unit prices, discounts rate / percentage and total bid prices of the goods it proposes to supply. All breaks up of price incl Packing, Transportation, Taxes, incidental expenses must be given up to satisfactory installation in NIAB premise.</p> <p>Vague terms like “packing, forwarding, transportation, taxes etc. extra” without mentioning the specific amount/percentage of these charges will NOT be accepted. Where there is no mention of packing, forwarding, freight, insurance charges, such offers shall be summarily rejected as incomplete / non-responsive.</p> <p>Prices quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account.</p>  |
| 2  | Quote for Complete item set up / functioning required as per specification.       | Item quoted should be complete in all respects; any additional accessories required for instrument to operate /function should also be quoted as part of the instrument and should be supplied along with instrument. It should not be included in optional.   |
| 3  | Optional accessories / PC /UPS /stabilizer  | The cost of accessories in optional should be quoted separately. List of all optional accessories with detail specification must be given with List price & discount.  |
| 4  | Bid Currencies  | Prices shall be quoted in Indian Rupees or in freely convertible foreign currency preferably in USD (\$), Euro (€), Yen (¥), GBP (£) wherever possible for correct evaluation during comparison.   |
| 5  | For indigenous Items OR goods of foreign origin to be supplied in Indian currency | <p>Ex-factory / Ex-warehouse //Ex-showroom /Off-the shelf</p> <p>Excise Duty (if any) [%age &amp; value]</p> <p>Sales Tax/ VAT (if any) [%age &amp; value]</p> <p>Transportation , loading/ unloading and incidental costs till NIAB site</p> <p>Insurance charges (if any with period cover)</p> <p>Incidental services (including installation &amp; commissioning, and training) at NIAB site</p>   |
| 6  | For Imported items  | <p>FOB price at sea/airport of Lading</p> <p>Insurance (Warehouse to warehouse basis )</p> <p>Freight</p> <p>CIP by Air/Sea at the port of Entry ( Hyderabad)</p> <p>If possible DDP value may please be quoted with consideration of Custom Duty amount as % of Net CIP (amount with CDEC as applicable) &amp; Custom Clearance &amp; Handling charges , incidental charges till satisfactory installation up to NIAB. The purchaser can place the order on FOB/ CIP or DDP basis.</p> <p>Export Packing, Loading Charges, and Inland Freight etc. In the shipper country will have to be paid by the Supplier. The Price for inland transportation, insurance and other local costs incidental to delivery of the goods up to their port of dispatch to be payable by the Supplier. Items as per the Purchase Order duly cleared for export in shipping country would be required to be handed over to our nominated freight forwarder in case of FOB order. The quoted price shall be deemed to include all taxes and duties/fee etc, that will have to be paid in the country of origin/export by the bidder.</p> <p>Items are to be Packed, Marked &amp; Labelled as per international norms. Small</p> |

|   |                              |   |
|---|------------------------------|---|
|   |                              | <p>individual boxes must be palletized for easy handling &amp; movement. State packing/ forwarding/ documentation charges etc. (each one) separately, if applicable.</p> <p>CIF/CIP rates for shipping items up to Hyderabad (India) preferably through AIR INDIA should also be mentioned. Even if the order is placed on CIF/CIP basis, bidder will have to only use the services of our nominated freight forwarding agent for the sake of operational convenience at the time of customs clearance at our end. This condition will be mandatory.</p>  |
| 7 | Comprehensive WARRANTY & AMC | <p><b><u>Standard Warranty period must be quoted by firm otherwise it will be taken/assumed as 12 Months.</u></b></p> <p><b><u>Please quote for Extra Warranty After completion of standard warranty period.</u></b></p> <p><b><u>Do not club the cost of extra warranty in main item cost otherwise your bid may be rejected.</u></b></p> <ul style="list-style-type: none"> <li>➤ The cost of Annual Maintenance Contract (AMC) which includes preventive maintenance including testing &amp; calibration as per technical/service/ operational manual and labour, after satisfactory completion of warranty period may be quoted for next 3 (or as specified) years on yearly basis for complete equipment.</li> <li>➤ The cost of CMC may be quoted along with taxes applicable on the date of Tender opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later. The charges for Annual CMC after warranty shall be quoted separately as per price schedule 'B'.</li> <li>➤ Cost of CMC will be added for ranking/evaluation purpose.</li> <li>➤ The uptime warranty will be 98% on 24 (hrs) x 7 (days) x 365 (days) basis.</li> <li>➤ The stipulation in technical specification will supersede above provision.</li> <li>➤ The supplier shall keep sufficient stock of spares required during comprehensive maintenance contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.</li> </ul> |
| 8 | Taxes ,Custom duties etc.    | <p>NIAB is exempted from payment of Excise Duty under notification number 10/97 dated 01.03.1997 and Customs Duty under notification No.51/96 dated 23.07.1996. Hence Excise Duty and Customs Duty, if any, should be shown separately.</p> <p>Please mention the applicable taxes (VAT/Service Tax etc.) clearly. We don't issue any 'Form C' or 'Form D'.</p> <p>Custom bonded warehouse price should be quoted in case of imported item quoting INR. Instrument quoted should be complete in all respects.</p> <p>If there is no explicit mention about taxes in your offer, then quoted price will be deemed inclusive of all such taxes and no other charges except those mentioned clearly in the quotation will be paid.</p>   |

**PLEASE READ ABOVE POINTS BEFORE PREPARING PRICE BID /QUOTATION AND SUBMIT THE SAME ALONG WITH PRICE SCHEDULE 'A' & PRICE SCHEDULE 'B' GIVEN BELOW AFTER CAREFULLY READING /CONSIDERING ALL THE POINTS.**

**PRICE SCHEDULE 'A' To be attached along with your main quotation**

| SI.No | Description | Qty | Unit | Each unit Price | Total Price |
|-------|-------------|-----|------|-----------------|-------------|
|       |             |     |      |                 |             |

**PRICE SCHEDULE 'B'**

**WARRANTY**

|   |  |                     |                       |
|---|--|---------------------|-----------------------|
| <b>Name of item :-</b>  |  |                     |                       |
| <b>Qty :-</b>   |  |                     |                       |
| <b>STANDARD WARRANTY AS PER BID SUBMITTED</b>                                 |  | <b>YEAR / YEARS</b> |                       |
| <b>Extra Warranty<br/>After completion of standard warranty</b>               |  |                     | Cost in RS (Incl all) |
| Extra warranty for 1 st year After completion of standard warranty            |  |                     |                       |
| Extra warranty for 2 <sup>nd</sup> year After completion of standard warranty |  |                     |                       |
| Extra warranty for 3 <sup>rd</sup> year After completion of standard warranty |  |                     |                       |

**AMC**

|  |                       |
|--|-----------------------|
| <b>Name of item</b>                                      |                       |
| <b>Qty</b>   |                       |
| <b>EXTRA AMC<br/>After completion of warranty period</b> | Cost in RS (Incl all) |
| 1 <sup>st</sup> yr of -- AMC                             |                       |
| 2 <sup>nd</sup> yr of -- AMC                             |                       |
| 3 <sup>rd</sup> yr of -- AMC                             |                       |

**DECLARATION TO BE SUBMITTED WITH BID**

**I /We the undersigned have read and considered all the above points carefully as per Chapter -3 before preparing the price bid and noted all the points. The price bid will be prepared considering all the above points. The best possible break up of all the prices unit and total up to delivery and installation of the item in tender up to NIAB premise / location for delivery , standard & Extra Warranty , AMC will be mentioned in price bid.**

**Prices quoted shall remain fixed during the entire period of contract and shall not be subject to variation on any account.**

Competent Authority to sign:  
Name, Designation:  
Date with stamp & seal of organisation

**Chapter 3: Standard Forms, ( To be submitted by the bidders )**

**(form must be submitted on firm letterhead and in original by the bidders)**

**FORM -1**

*form must be submitted on firm letterhead and in original*

**BID COVERING LETTER**

The Director,  
National Institute of Animal Biotechnology (NIAB),  
D. No. 1-121/1, 4th & 5th Floors,  
Axis Clinicals Building, Opp. to Talkie Town,  
Miyapur, Hyderabad, Telangana,India - 500 049

Sir,

We, the undersigned, declare that:

We have examined and have no reservations to the Bidding Documents, including addendum (if any).We offer to supply in conformity with the Bidding Documents and in accordance with the condition of contact , specified in the tender Document

Our bid shall be valid for the period from the date fixed for the bid submission deadline, and it shall remain binding upon us and accepted at any time before the expiration of bid validity period as per this tender. If our bid is accepted, we commit to provide a performance security for due performance of the Contract as per NIAB policy and warranty-guarantee as per tender specification or agrees as per contract.

We understand that this bid, together with your written acceptance thereof included in your notification of award/placement of Order, shall constitute a binding contract between us. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Competent Authority to sign:  
Name, Designation :  
Date with stamp & seal of organisation:

**FORM -2**

*form must be submitted on firm letterhead and in original*

**TECHNICAL COMPLIANCE STATEMENT**

The Director,  
National Institute of Animal Biotechnology (NIAB),  
D. No. 1-121/1, 4th & 5th Floors,  
Axis Clinicals Building, Opp. to Talkie Town,  
Miyapur, Hyderabad, Telangana,India - 500 049

Sir,

Please find attached technical compliance statement as required vide this Tender No \_\_\_\_\_ dt \_\_\_\_\_  
For the item \_\_\_\_\_

| Sr No. | Tender Specifications | Bidder's Specifications | Compliance (Yes/No) | Remarks/Deviation ( If any) |
|--------|-----------------------|-------------------------|---------------------|-----------------------------|
|        |                       |                         |                     |                             |
|        |                       |                         |                     |                             |

Competent Authority to sign:  
Name, Designation :  
Date with stamp & seal of organisation:

Please note:

**An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications must be provided. If any deviation is proposed by the Bidder, the same must be clearly indicated and enclosed as deviation as per given format.**

**Compliance/Deviation statement comparing the specifications of the quoted model to the required specifications should also give the page number(s) of the technical literature where the relevant specification is mentioned.**

**Bids must have supporting documents ( technical literature or copies of relevant pages from the service manual or factory test data) for all the points noted above, failure regarding which may result in rejection of bid.**



**DETAILS OF LOCAL / ANY OTHER SERVICE SUPPORT**

Location /Address of Service Centre :-

Name of Technical /In charge Person/Qualification :-

Phone/Fax/Email :-

Office Hours :-

Service Facilities /list of similar type equipment's serviced in the past 3 years:-

Competent Authority to sign:

Name, Designation :

Date with stamp &amp; seal of organisation:

**PERFORMANCE STATEMENT/ CLIENTELE /LIST OF USER**

The Director,

National Institute of Animal Biotechnology (NIAB),

D. No. 1-121/1, 4th &amp; 5th Floors,

Axis Clinicals Building, Opp. to Talkie Town,

Miyapur, Hyderabad, Telangana,India - 500 049

Sir,

Please find attached herewith our list of clients to whom we have supplied the same /similar ITEMS as required vide this Tender No \_\_\_\_\_ dt \_\_\_\_\_

| Name & Address of purchaser | Order No. and date | Description of work | Date of delivery as per Contract/Actual | Date of installation/completion of work | Contact Person along with Tel. NO., Fax No. & e-mail address |
|-----------------------------|--------------------|---------------------|---|---|--|
|                             |                    |                     |   |   |  |

Competent Authority to sign:

Name, Designation :

Date with stamp &amp; seal of organisation:

Note:-Please provide details of at least last 3 yrs with supporting documents if any.

**MANUFACTURERS' AUTHORIZATION**

The Director,

National Institute of Animal Biotechnology (NIAB),

D. No. 1-121/1, 4th &amp; 5th Floors,

Axis Clinicals Building, Opp. to Talkie Town,

Miyapur, Hyderabad, Telangana,India - 500 049

Sir,

We \_\_\_\_\_ who are established and reputed manufacturers of the equipment having factories at \_\_\_\_\_ (address of factory) do hereby authorize M/s. \_\_\_\_\_ (Name and address of Agent) on our behalf to submit a bid, negotiate and receive the order from you against your tender No. \_\_\_\_\_ dt. \_\_\_\_\_.

We hereby extend our full support, guarantee and warranty as per the Terms and Conditions of the above Tender/PO (issued if any) for the goods and services offered by the above firm as per this tender.

Competent Authority to sign:

Name, Designation :

Date with stamp &amp; seal of organisation:

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer.



## Checklist (Attach this with your quotation)

| Before sending Tender, Please Check once that you fulfil the following Points. |   | Point Noted & complied |
|--|---|------------------------|
| Sr No  | Point   | Mark ✓                 |
| 1  | Following things are mentioned on the main (outer) envelope<br><b>Item Name /Reference No. /Last Date For Submission Of Tender/Date Of Opening Of Tender /Firm's Name &amp; Address</b>   |                        |
| 2  | TENDER FEES / EMD if applicable is <b>Enclosed</b>  |                        |
| 3  | Demand draft is/are in favour of <b>National Institute of Animal Biotechnology</b> payable at Hyderabad.<br><br><b>Firm's Name/Ref. No. Etc. Has Been Mentioned On The Back Side of DDs.</b>  |                        |
| 4  | Quotation has been duly signed and stamped by the <b>Authorized &amp; Competent</b> person. All cuttings/over writings have been duly checked, initialled and stamped. (if applicable) date is mentioned on quotation   |                        |
| 5  | This full Notice Inviting Tender (NIT) should be printed and hard copy to be submitted along with Technical BID. Tender Document with each page duly signed by the Bidder as token of acceptance. This Notice Inviting Tender (N.I.T) shall form part of the Tender Document. |                        |
| 6  | <b>All the forms (FORM NO 1 to 5 with main application form and price schedule A&amp;B ) required as per the tenders are submitted on letter head of the firm.</b>  |                        |

### DECLARATION BY BID SUBMITTING FIRM

This is to certify that we have offered the maximum possible discounted price to you for the Item required as per this Tender. We would like to certify that the quoted price are the minimum and we have not quoted the same item on lesser rates than those being offered to NIAB to any other customer nor we will do so till the validity of offer or execution of purchase order, whichever is later.

*I/We the undersigned, have read the entire terms and conditions of this Tender document and we are fully agreeable to the terms and conditions mentioned herein. The decision of competent authority of NIAB with respect to this Tender-Result will be fully agreeable and binding on us.*

Competent Authority to sign:  
Name, Designation:  
Date with stamp & seal of organisation:

| FOR ANY QUERY -- Contact Details of NIAB for this tender |  |
|--|--|
| Send email   | <a href="mailto:santosh@niab.org.in">santosh@niab.org.in</a><br><a href="mailto:spm@niab.org.in">spm@niab.org.in</a> |
| call on  | 040 – 23049404 ( S & P section )   |

**Please take print of this full tender Document and submit this duly signed & stamped each page of this document as a token of acceptance of its conditions with above declaration and submit along with your quotation/bid**

## **Chapter 4: SPECIFICATIONS / SCOPE OF WORK**

### **Horizontal Laminar Flow Cabinet (Table Model)**

**Specifications: Qty:-2 no's**

**Description:** Horizontal Laminar Flow cabinet that can be mounted on any table with the following specifications (without stand)

**Dimensions :**

|                        |  |
|------------------------|--|
| Internal (WxDxH) mm    | : (915x610x610) mm   |
| External               | : (1030x720x1110) mm   |
| Material               | : MS or Galvanized iron sheet  |
| Table Top              | : 1.2mm SS 304 sheet Laminated<br>on 25mm solid Nuwud Board  |
| Working area material  | : Top Loading complete work area should be of<br>SS 304 including HEPA filter grill                          |
| Class                  | : ISO standard 14644-1 class 5   |
| Noise level            | : < 60 DB  |
| Filtration             | : Pre filtration= 10 $\mu$ with an efficiency of 90%<br>HEPA filter =0.3 $\mu$ with an Efficiency of 99.995% |
| Front Door             | : Toughened glass 6mm thick auto sliding door  |
| Motor Blower           | : Variable speed motor with low, medium, high<br>Speed settings  |
| Fluorescent light      | : Slim tube lights   |
| UV lighting with timer | : 15 watts or more   |
| Service connections    | : Electrical Sockets-2 no's<br>Air/Vacuum/Gas-2 no's   |
| Alarm                  | : Audible alarm when the front glass is above the<br>Permissible protection limit                            |
| Power supply           | : Single Phase 230V, 50 Hz   |

- All interior and exterior parts must be smooth to ensure no risk of cuts to users or maintenance personnel.
- Service support should be within 24 hours.
- A suitable stand may be quoted as optional item