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NATIONAL BUREAU OF AGRICULTURALLY IMPORTANT MICROORGANISMS

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(Indian Council of Agricultural Research)

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F. NO. 17(01) NBAIM/Net House/2014-15/

Date: 03.01.2015

### Tender notice for Net House

On behalf of the President, ICAR, Director, National Bureau of Agriculturally Important Microorganisms, Kushmaur, Mau (U.P) invites sealed tenders form various firms for the Net House.

S. NO	Particulars	Detail Specifications	Bid Security (EMD) in Rs.
1.	Net House	Please see in Tender documents	Rs 40000/ (Rs Forty thousand only)

The schedule of tender is as follows:

**Last date of acceptance of tender** : 27.01.2015 at 10:00AM

**Date of opening of tenders** : 27.01.2015 at 11:00AM

The institute will not be held responsible for any sort of postal delay.

Duly filled in and sealed tender form should be submitted for aforementioned items along with required **Bid security (Earnest Money Deposit) in shape of Demand Draft(DD) of Rs.40000/(Rs. Fourty thousand only) of quoted value along with tender fee of Rs 500/ in shape of DD. The DD should be in favour of ICAR Unit NBAIM, Mau payable at SBI, Maunath Bhanjan Branch (code 01671)** on the scheduled date and time positively. Any tender form received after stipulated date & time or received without Bid security as specified above shall be deemed as rejected. Tender forms so received will be opened on the stipulated date & Time in the presence of tenderer or their authorized agents. The Competent Authority reserves the right to accept or reject the tenders at any time without assigning any reason thereof. Terms & Conditions and Tender form can be downloaded from our website [www.nbaim.org.in](http://www.nbaim.org.in) and [www.mgrportal.org.in](http://www.mgrportal.org.in) .

(Administrative officer)

NBAIM invites proposals for construction of Net house at the NBAIM, Kushmaur, Mau 275103, subject to terms and conditions given here under in this document.

### **SUBMISSION OF BID**

The Bidding Process shall be in three parts, viz.

Part-I: Qualifying documents & EMD

Part- II: Technical Bid

Part- III: Financial Bid

### **SUBMISSION OF BIDS:**

The proposal must consist of three separate envelopes as follows:

#### **“Qualifying Documents & EMD”**

**The First** envelope must enclose the following documents and should be marked in bold letter as “Qualifying Documents & EMD”.

1. A brief description of the firm and an outline of recent experience in assignments of a similar nature
2. Firm / companies should have ISO 9000/ 2014 certification (desirable)
3. Proof of registration central or State Govt. or equivalent
4. Proof of Sales Tax Registration, PAN Card Details
5. Copy of sales tax return
6. Copy of Income tax return
7. Firm / Companies should have minimum annual financial turnover of Rs.50 Lakhs
8. Firm / Companies should have executed at least two orders of Rs. 25 lakh each OR single order of Rs. 50 lakh of Rainout Shelter, Green house, Poly house, Net house in Govt. institution or SAU/ University only
9. Firm / Companies should have minimum experience of 10 years in the field of fabrication & installation of Polycarbonate Green house, Poly house, Screen house, Shade Net House in Govt. institution only
10. List of user Departments with their contact number/ address, so that technical committee may visit if required
11. Firm / Companies should have completed at least five structures
12. Firm / Companies has to give an undertaking on non judicial paper worth Rs.100.00 (duly signed by the notary), that his/ her firm/ company is not barred or black listed & also declare that his company having no legal case by any department or institute
13. Firm / Companies may have to give technical presentation in front of a committee or official, if need be.

Technical & Financial Bids are to be submitted on same date and time. The Technical bid and financial bid will be sealed in different envelopes super scribing "TECHNICAL BID" AND "FINANCIAL BID" respectively. Both the bids will be sealed in a bigger envelope and super scribed as "Net House". The bid document should be properly numbered and signed on each page by the authorized signatory of the company under company seal and submitted in proper manner.

Bids with all the relative annexure and the detailed proposal of the bidders solicited herewith in this document should be submitted to the address mentioned above and by the date of Submission of Bid .

### **Schedule & Venue**

To ensure uniformity at the time of evaluation and finalization of offers the bidders shall strictly follow the format & procedure indicated in the Annexure.

### **Document Fee**

The Bid should be submitted along with the Document Fee of Rs 500/(Rupees Five Hundred only) in favor of " ICAR Unit NBAIM, payable at Mau, Uttar Pradesh

### **Earnest Money Deposit (EMD) and Performance Guarantee**

Technical bids must be accompanied by an **EMD of Rs 40000/ (fourty thousand only)** in the form of Demand Draft in favour of "ICAR Unit NBAIM, payable at Mau, Uttar Pradesh"

**Technical bids not accompanied with the document fee and/or EMD shall be summarily rejected.** The EMD of unsuccessful bidders will be returned to them on selection and execution of agreement with successful bidders. No interest shall be paid on the EMD. If the selected bidder, refuse/ or is unable to accept the order, his EMD will be forfeited.

The EMD deposited by the successful bidder shall be returned after submission of Performance Guarantee equivalent to 10% of the contract value. The successful bidder shall be required to enter into an agreement with NBAIM and the performance guarantee is required to be submitted by the successful bidder before signing of agreement. The performance guarantee deposited by the successful bidder shall be appropriated by NBAIM based on non performance in accordance with this document

### **Evaluation of Technical Bid**

The Technical bid will be examined by NBAIM which may call for clarifications/additional information from the bidders. The same must be furnished to NBAIM within the Request for Proposal for Net House

### **Validity of Proposal**

Financial Bid of the bidders who have been short-listed by the Evaluation Committee will only be opened. The price quoted in Financial Bid should be inclusive of all taxes, duties, transpiration and any other charges. No price escalation on any ground whatsoever will be entertained during the period of validity of the rates.

## **INSTRUCTIONS TO THE BIDDER**

### **General Terms & Conditions of the Quotation**

- The proposal is being invited in Single Stage Double Envelope Process. The technical details with the relevant information / documents / acceptance of all terms and conditions strictly as described in the RFP document should be submitted. If short listed, the Financial Bid of the bidder will be opened.
- Any incomplete or ambiguous terms/conditions/quotes will disqualify this bidder/
- NBAIM reserves the right to accept/ reject any or all Proposal/s without assigning any reason thereof.
- NBAIM reserves the right to stop the process at any stage and go in for fresh bidding without assigning any reasons thereof.
- NBAIM may, in its absolute discretion, seek additional information or material from any bidder after the bidding closes and all such information and material provided shall be taken to form part of that bidder's proposal.
- Bidder should provide details of their Fax, email and full address(s) to ensure that replies to Bids could be conveyed promptly.
- Details of Bid document
- Please read the term & conditions laid down in this document carefully.
- Please fill in the relevant information in the blanks provided.
- Please sign in full by the Authorized Signatory (ies) with company seal in all the relevant Annexure and return the complete set in sealed cover.
- Bids not fulfilling any or all of the conditions prescribed or which are incomplete are liable to be rejected.
- No advance copy of bid through Email/Fax or in any other form should be disclosed to any the employee NBAIM.
- No consideration will be given to bids received after the time stipulated above. Any extension of time shall be sole discretion of NBAIM.
- Canvassing/Cartel in connection with bidding process in strictly prohibited and bids submitted by bidders who resort to canvassing are liable to be rejected.
- The firm should not have been black listed by any Govt. Bodies/ PSUs etc.

Terms and Conditions for submitting the Tenders

1. Each column of the tender document be filled properly and every papers/ documents enclosed with bid documents must be signed and stamped by the authorized signatory of the agency/ company.
2. All the annexure A, B & C namely Qualifying documents, technical bid and Financial Bid may be submitted in separate duly sealed Envelops along with 4<sup>th</sup> envelop containing this letter in original (duly stamped & signed) along with Earnest Money.
3. These four Envelopes shall clearly be marked as the Respective Bids with company's seal and address. All the them shall be then placed in one Big Envelop mentioning the name number & last date of the tender and addressed to the Director, NBAIM
4. All tender duly completed, signed and sealed shall reach the institute latest by 27.01.2015 on or before 11:00 a m, late tenders shall not be entertained in what so ever is the case. In case the last date is declared as the holiday, the next working day shall be treated as the last date. .
5. The above said job will be treated as turn key project and tendere may have to make his own arrangements to transfer the raw material to the institute. Any road permit of form required from the institute may please be requested for well in advance.
6. The successful agency need to provide a list of the labour & other staff who will be entering the premises of the institute and shall obtain a gate pass for each of their personal.
7. The rates quoted for the tender shall include transportation charges, packing and unpacking, loading and delivery of the material at the institute.
8. Any Government taxes or levies shall be mentioned separately.
9. The bid shall be valid for a period of 90 days from the last date of the submission.
10. The successful bidder shall deposit security money of Rs.10% of quoted value in shape of demand draft , Favoring Director NBAIM, payable at SBI Mau.
11. The resultant job order will be interpreted under Indian Laws and all disputes emanating shall be settled under jurisdiction of ICAR New Delhi. The Director NBAIM reserves the right to accept or reject any or all the tenders without assigning any reason thereof.

Yours Faithfully,

**Administrative Officer**

**NBAIM mau**

## Specification for Hi-Tech Net House with multi chambers for variable climatic zones

### Overall Size:

Length : 18m

Width : 12m

Center Height : 4.5m

Side Height : 3m

**Corridor:** 2m in width to connect all chambers centrally

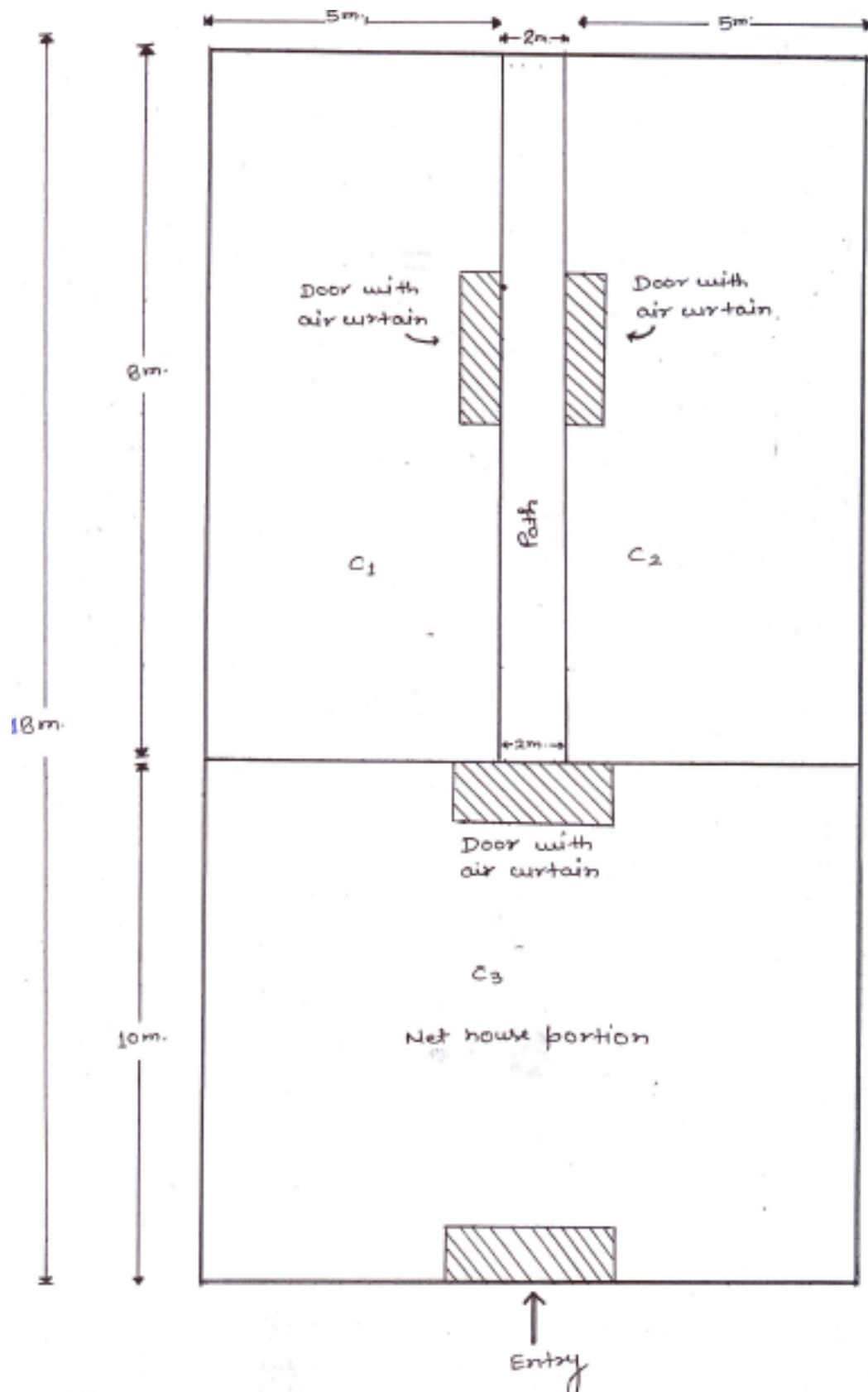
**Size:** Chamber C-1 & C-2: 8m x 5m, Chambers C-3: 10m x 12m (**L x W**) and path between C-1 & C-2: 2m (As per designed given).

**Design:** Arched shape having **three independent control** chambers with independent control unit (as per attached drawing). Two chambers (C-1&C-2) will have air conditioning system to maintain temperature in the range of 25-30° C during summer & 20-25° C during winter the Net house will have microprocessor **climate control system**. **Chamber C-3:** covered by V stabilized green mesh (40/50 mesh).

S.N	Description of Material/ Work	QTY
1.	<b>Main Structure:</b> Made of 2mm thick ISI marked (1239), GI HS section, cutting, bended in required shape, complete as per requirements	Complete set
2.	<b>Doors:</b> 2.0 x 1.0m made of G.I. Sq. pipe with door closer & all hardware.	4 Nos.
3.	<b>Covering: Chamber C-1, C-2 and Path</b> with 8mm thick triple walled U.V. Stabilized Poly Carbonate sheet to be fixed with aluminum strip, all joints sealed with silicon sealant to avoid leakage. <b>Sheet specification</b> Thickness: 8mm multi walled Warrantee: 10 years Sheet Structure: 8/3 Light transmission: 76% U Value: 3.0 W/m <sup>2</sup> k <b>Chamber C-3:</b> covered by UV stabilized green mesh(40/50 mesh)	Complete set
4.	<b>Cooling System in chamber-1&amp;2:</b> Industrial air conditioner system to maintain temperature range 25-30° C with accuracy $\pm 5$ °C (Approx capacity 6.0TR in each chamber) with inbuilt heating system	One set
5.	<b>Heating system:</b> convector with fan blower of special design (2.4 kW each) to increase the temperature during winter season	4 Nos
6.	<b>Humidification/ Fogging system:</b> To increase the humidity inside the chamber by providing fin fogging nozzles with pump, PVC tank, filter and other necessary fitting etc. complete with fin discharge (28-30 1h) at 4 bar pressure	3 set complete
7.	<b>Control Panel:</b> Real time microprocessor based programmable control system with provision of sensing, regulating of lights. Temperature, humidity and light in real time, Feather touch operation, Indicating alarm for	One Set

	both safety devices and automatic power off on reaching limits Mounted in CRC powder coated panel	
8.	<b>Lighting system:</b> By providing PAR lamps photo synthetically active radiation lamp or better specification; required number of spectra lamps to cover whole range of photo synthetically active radiation and enough numbers distributed uniformly across the entire green house space	40 Nos
9.	<b>Air Curtain:</b> 3ft. wide provided above all inner door with auto On/Off switch	
10.	<b>Roof Screen:</b> In chamber C-1 & C-2 (including path) 75% <b>OR</b> 50% shading net to subtract light intensity <b>OR</b> reflect sun rays which can help to reduce direct entry inside the structure and heat trap; with gear and manually operated	Complete set
11.	<b>Benches:</b> made of non-corrosive and humidity resistant G.I. material movable (with heavy duty lockable casters) of 8ft length x width x 2.5ft ht.	10 Nos
12.	<b>Electric Fitting:</b> Complete electric wiring of green house with copper wire, MCB, main switch, light/ power as per requirement. <b>UPS of appropriate capacity for running the control panel and system.</b>	
13.	<b>Earth work:</b> excavation in trenches & foundation	One
14.	<b>Foundation:</b> Telescoping (1 <sup>1/4</sup> ft. x 2.5ft. below earth surface in cement concrete 1:2:4 (1: cement, 4 coarse sand, 4 stone aggregate)	Complete
15.	<b>PCC:</b> 1.5:10 in foundation	Complete
16.	<b>Bricks wall:</b> With FPS bricks in 1.6 CM, all side of the Green House 2.5 above GL with 1.5ft. below earth surface	Complete
17.	<b>Plaster:</b> 15mm thick in 1:4 CM (1 cement, 4 fine sand)	
18.	<b>Plinth protection:</b> 60 cm wide 50mm thick 1:3:6 CC over 75 mm thick bat base all side green house	Complete
19.	<b>Painting:</b> Painting of walls with 2 or more coat of cement paint approved color / shade on outside and wall tiles of good quality on inside	Complete
20.	<b>Plumbing work:</b> For Misting & cooling system with necessary fitting GI/ PVC, Polymer tank 500 It.	4 set Complete

**UPS of appropriate capacity for running the control panel and system is compulsory**





**Annexure A****SUBMISSION OF BIDS:**

The proposal must consist of three separate envelopes as follows:

**“Qualifying Documents & EMD”**

**The First** envelope must enclose the following documents and should be marked in bold letter as “Qualifying Documents & EMD”.

1. A brief description of the firm and an outline of recent experience in assignments of a similar nature
2. Firm / companies should have ISO 9000/ 2014 certification (desirable)
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4. Proof of Sales Tax Registration, PAN Card Details
5. Copy of sales tax return
6. Copy of Income tax return
7. Firm / Companies should have minimum annual financial turnover of Rs.50 Lakh
8. Firm / Companies should have executed at least two orders of Rs. 25 lakh each OR single order of Rs. 50 lakh of Rainout Shelter, Green house, Poly house, Net house in Govt. institution or SAU/ University only
9. Firm / Companies should have minimum experience of 10 years in the field of fabrication & installation of Polycarbonate Green house, Poly house, Screen house, Shade Net House in Govt. institution only
10. List of user Departments with their contact number/ address, so that technical committee may visit if required
11. Firm / Companies should have completed at least five structures
12. Firm / Companies has to give an undertaking on non judicial paper worth Rs.100.00 (duly signed by the notary), that his/ her firm/ company is not barred or black listed & also declare that his company having no legal case by any department or institute
13. Firm / Companies may have to give technical presentation in front of a committee or official, if need be.

## **Annexure B**

### **Technical Proposal**

**The Second** envelope must enclose the Technical proposal and must be marked in bold letter as “**Technical proposal**”

Full technical details of the equipment proposed to be supplied along with original catalogues and other literature, the tendered must submit the following detailed information;

1. Firm/ Companies may propose their design with detailed drawing of all type of proposed structures, considering minimum requirement as per specification mentioned in tender
2. Sample of following items in appropriate size / dia etc. for quality scrutiny (Polycarbonate sheet, GI pipe), if required.
3. Warrantee of Polycarbonate sheet should be minimum 10 years
4. Onsite service for a period of minimum 2 years with 5 years AMC back-up
5. In the absence of original catalogue and other literature the tender would be considered as invalid
6. Information about suitable trained technical staff along with well established service network for the maintenance and operation of the infrastructure
7. Operation training for the Department staff should be inclusive in the offer
8. Available of spares / parts for next five years to be ensured (supportive documents from the O&M to be enclosed
9. Certification of authorization / dealer for the supplying equipment / spare

**Annexure c****Financial Proposal**

The **Third** envelope must enclose the financial proposal with respect to the technical proposal submitted and marked in bold letter as “**Financial proposal**”

**FORMAT OF PRICE QUOTATION**

Sr.	Goods	Model name (if required)	Price	TAXES			Total amount (Rs.)
				VAT	ST	Other charge if any	
1.	Net House As per specification						

Full details of business terms and condition, e.g. packing / forwarding and delivery period VAT / Central Sales Tax / Trade Tax, other Taxes/ Charges if any

1. Validity period of quotation, Prices must be quoted F.O.R.
2. Any other information relevant to the items may please be indicated clearly
3. Bidders are open to quote any optional items which may be felt useful.