



NAVSARI AGRICULTURAL UNIVERSITY
ERU CHAR RASTA, NAVSARI, GUJARAT-396 450

NAVSARI AGRICULTURAL UNIVERSITY

Dr. T. R. Ahlawat
PI & NODAL OFFICER
NAU-CAAST, NAHEP

Contact: 02637- 283452
Email: caastnau@gmail.com

No. NAU/DR/NAHEP-CAAST/ 1454 /2019

Date: 30/09/2019

To,

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.....

Dear Sir/Madam,

Subject: Invitation of Quotations for supply of Rotatory evaporator

The Principal Investigator and Nodal Officer, NAHEP-CAAST Sub-Project, Navsari Agricultural University, Navsari invites most competitive quotations in sealed envelope under National Agricultural Higher Education Project (NAHEP) CAAST sub-project entitled "Establishment of Secondary Agriculture Unit for Skill Development in Students and Farmers at NAU, Navsari" for below given from reputed sellers.

1. You are invited to submit your most competitive sealed quotation for supply of **Rotatory evaporator**

Particulars	Specifications
Specification of Rotary evaporator	
DC brushless motor drive with speedrange	5-300 rpm
Cooling surface area for better recovery rate	1500 cm ² or larger
Timer & Display	Timer function and TFT graphical display for real time progress of operations.
Cooling and heating system	Device should have automatic cooling water, automatic ventilation and automatic heating bath management
Solvent and programming option	Integrated solvent Library with minimum 40 solvent with expansion option and programming option for up to ten individual procedures.
Boiling point detection	Automatic boiling point detection should be possible
Volume based distillation	100% distillation should be possible
Bath capacity and temperature range	<ul style="list-style-type: none"> • Bath capacity of 4 litres or more • Heating temperature range RT to 180°C. • Heating bath should have heat control accuracy of ±1 K or less
Other technical features	<ul style="list-style-type: none"> • IR communication with heating bath which auto power off. • CW & CCW Rotation with interval option for faster powder drying. • Motorised lift with safety stop function • RS 232 and USB interface for software connectivity and data logging facility.

	<ul style="list-style-type: none"> • Safety temperature circuit and Dry Run protection of heating bath. • Locking function of heating bath for avoiding accidental changes of settings.
Specification of vacuum pump	
Suction capacity and Vacuum level	<ul style="list-style-type: none"> • Suction capacity-1.3 m³/hor more • Ultimate vacuum level up to 2 m Bar or less
Temperature control	-20°C to room temperature
Bath volume	4 Litre or more.
Flow rate	17 Litre per minute
Display resolution	0.1°C and stability of 0.5°C
Other technical features	<ul style="list-style-type: none"> • Integrated vacuum controller for controlling process parameters. • Speed controlled vacuum pump for automatic detection of boiling point. • Speed of vacuum pump should be adjustable with digital display. • Vacuum pump should have auto-cleaning function and should come with mechanical silencer. • Vacuum pump should display speed of the pump.
Specification of Chiller	
Operational temperature range	-20°C to room temperature
Bath volume	4 litres with level indicator
Cooling capacity	400 W cooling capacity at 20°C
Flow rate	18 litres per minute or more with pump pressure control
Pump pressure flow and suction	Closer to 0.3 and 0.2 bar
Other technical features	<ul style="list-style-type: none"> • Speed regulated compressor for temperature stability of ± 1 K and low noise level • Safety drain and filters in front of the device for easy handling and cleaning • Should have acoustic and optical warning signal

2. The quotation should be as per enclosed terms and conditions forwarded by hand/post/courier on/or before the closing date in the name of Principal Investigator and Nodal Officer, NAHEP-CAAST Sub-Project, O/o Directorate of Research, Navsari Agricultural University, Navsari – 396 450, Gujarat. **Please mention “Quotation for supply of Rotatory evaporator (NAU-CAAST)” on the top of the envelope.**
3. Government of India has received a financing from the International Bank for Reconstruction and Development (IBRD) in various currencies towards the cost of the National Agricultural Higher Education Project (NAHEP) and intends to apply part of the proceeds of this Loan to eligible payments under the contract for which this invitation for quotations is issued.
4. Payments will be done through Cheque/PFMS after receiving **Rotatory evaporator** and bill in favour of the billing firm.


Principal Investigator & Nodal Officer
NAHEP-CAAST Sub-Project

Terms and Conditions

1. **Bid Price**
 - a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - b) All duties, taxes and other levies payable on the Equipment and components shall be included in the total price.
 - c) Taxes in connection with the sale shall be shown separately.
 - d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - e) The prices shall be quoted in Indian Rupees only.
2. Each bidder shall submit only one quotation.
3. **Validity of Quotation**

Quotation shall remain valid for a **period not less than 60 days** after deadline date specified for submission.
4. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

 - a) are properly signed; and
 - b) Conform to the terms and conditions and specifications.

The quotation would be evaluated for all the items together.
Sales tax in connection with sale of goods shall not be taken in to account in evaluation.
5. **Award of contract**

The purchaser will award the contract to be bidder whose quotation has been determined to be substantially responsive and who has offered the evaluated quotation prices.

 - a. Notwithstanding the above, the Purchaser reserves the right to reject all quotations at any time prior to the award of contract.

5.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
6. Payment shall be made immediately after delivery after goods.
7. Bank Account Details
The Supplier is required to provide the following mentioned information
 - Name of the Bank and Branch:**
 - Postal Address (with PIN Code):**
 - E-mail and Phone:**
 - Bank Account No:**
 - Account Type:**
 - IFSC Code:**
8. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.
9. All supply and work of above items should be consigned to "**Department of Forest Product Utilization, College of Forestry, ACHF, Navsari Agricultural University, Near Eru Char Rasta, Navsari-396450 (Gujarat)**" by Courier/Post. at above mentioned address only.
10. Supplier has to perform on-site live demonstration/training as per specification of item.
11. Original dispatch documents are to be forwarded by way of recorded delivery *i.e.* Registered post/Speed post/Courier in the above mentioned address only.
12. The Vendor/Supplier concerned must bear the PAN number (*i.e.* Permanent Account Number) and **Xerox copy of the PAN Card duly signed with seal of the Vendor/Supplier should be submitted with Quotation.**
13. The bidder is at liberty to be present or authorize a representative to be present at the time of opening of quotation at the time and date as specified in the schedule. The name and address of the representative, who would be attending the opening of the quotation on the bidder's behalf, should be indicated in his/her quotation. Please also state the name and address of the permanent representative, if any.
14. While the purchaser and the vendor shall make every effort to resolve disputes amicably by direct informal negotiation, even then in any disagreement or dispute arising between them under or in connection with the contract shall be settled under the court of law within its jurisdiction at Navsari, Gujarat. The resultant contract will be interpreted under Indian laws.
15. The firm should quote **only 5% GST (CSGT & SGST) in the bill** as it is our Government Educational Institute and Certificate of Exemption will be provided as and when required or at the time of Delivery.
16. The bill price inclusive of all taxes CGST/SGST and charges for delivery including transport, installation and training if any at the NAU, Navsari; **however CGST/SGST should be mentioned separately in the bill.**
17. All rights are reserved with the University Authority to accept or reject the Item without assigning any reasons thereof.
18. **You are requested to provide your offer latest by 17:00 hours on 15/10/2019.**
19. **Quotation will be opened in the presence of Bidders or their representatives who choose to attend at 15:30 PM on 16/10/2019 in the office of DR & Dean PGS at Conference hall, NAU, Navsari.**
20. **We look forward to receiving your quotations and thank you for your interest in this project.**
21. We accept above mentioned terms and conditions

Signature of Supplier
seal/stamp



Quotation

To,
The Principal Investigator and Nodal Officer,
NAHEP-CAAST Sub-Project,
O/o Directorate of Research, University Bhavan,
Navsari Agricultural University,
Eru Char Rasta, Navsari- 396450.

Subject: Quotation for supply of Rotatory evaporator

Reference: No. NAU/DR/NAHEP-CAAST/ 1454 /2019

Date: 30/09/2019

Dear Sir,

In response to above referred subject, we are submitting our offer for supply of **Rotatory evaporator**

The details are as under:

1. Name of the bidder:
2. Complete address of the Bidder:
3. Bank Name:
4. A/C No:
5. Name of Branch:
6. IFSC Code:
7. PAN Number:
8. Account type:
9. GSTIN :

FORMAT OF QUOTATION

Name of equipment: Rotatory evaporator			
Particulars	Specifications	Comply (Yes/No)	Remarks
Specification of Rotary evaporator			
DC brushless motor drive with speedrange	5-300 rpm		
Cooling surface area for better recovery rate	1500 cm ² or larger		
Timer & Display	Timer function and TFT graphical display for real time progress of operations.		
Cooling and heating system	Device should have automatic cooling water, automatic ventilation and automatic heating bath management		
Solvent and programming option	Integrated solvent Library with minimum 40 solvent with expansion option and programming option for up to ten individual procedures.		
Boiling point detection	Automatic boiling point detection should be possible		
Volume based distillation	100% distillation should be possible		
Bath capacity and temperature	• Bath capacity of 4 litres or		

range	<p>more</p> <ul style="list-style-type: none"> • Heating temperature range RT to 180°C. • Heating bath should have heat control accuracy of ± 1 K or less 		
Other technical features	<ul style="list-style-type: none"> • IR communication with heating bath which auto power off. • CW & CCW Rotation with interval option for faster powder drying. • Motorised lift with safety stop function • RS 232 and USB interface for software connectivity and data logging facility. • Safety temperature circuit and Dry Run protection of heating bath. • Locking function of heating bath for avoiding accidental changes of settings. 		
Specification of vacuum pump			
Suction capacity and Vacuum level	<ul style="list-style-type: none"> • Suction capacity-1.3 m³/hor more • Ultimate vacuum level up to 2 m Bar or less 		
Temperature control	-20°C to room temperature		
Bath volume	4 Litre or more.		
Flow rate	17 Litre per minute		
Display resolution	0.1°C and stability of 0.5°C		
Other technical features	<ul style="list-style-type: none"> • Integrated vacuum controller for controlling process parameters. • Speed controlled vacuum pump for automatic detection of boiling point. • Speed of vacuum pump should be adjustable with digital display. • Vacuum pump should have auto-cleaning function and should come with mechanical silencer. • Vacuum pump should display speed of the pump. 		
Specification of Chiller			
Operational temperature range	-20°C to room temperature		
Bath volume	4 litres with level indicator		
Cooling capacity	400 W cooling capacity at 20°C		
Flow rate	18 litres per minute or more		

	with pump pressure control		
Pump pressure flow and suction	Closer to 0.3 and 0.2 bar		
Other technical features	<ul style="list-style-type: none"> • Speed regulated compressor for temperature stability of \pm 1 K and low noise level • Safety drain and filters in front of the device for easy handling and cleaning • Should have acoustic and optical warning signal 		
Note: Additional warranty may be quoted with extra amount			

OUR BEST PRICE TO FOLLOWING EQUIPMENT/INSTRUMENT/ITEM

Sr.No.	Name of Equipment/Instrument/Item	Qty.	Rate per Item	Total amount(Rs.)
1	Rotatory evaporator	01		
Above Quoted price include GST and other taxes or Transport, Installation and training if any.				

Gross Total Amount: Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs.....(Amount in figure) (Rs.....amount in words) within the period specified in the Invitation for Quotation.

We also confirm that the normal commercial warrantee/ guarantee of months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

We hereby accepted Terms and Conditions (Dully sign accepted)

**Signature of Supplier
Seal/Stamp**