



पादप कार्यिकी संभाग  
DIVISION OF PLANT PHYSIOLOGY  
भा.कृ.अ.प.—भारतीय कृषि अनुसंधान संस्थान  
ICAR-Indian Agricultural Research Institute  
नई दिल्ली—110012 (भारत)  
NEW DELHI - 110 012 (INDIA)



File No: 50-1/PTCHC/22-23/NAHEP(71-01)

Date: 20/10/2022

Dear Sir,

**Sub : INVITATION FOR QUOTATIONS FOR SUPPLY OF  
Photoperiod and temperature controller, Humidifier and controller**

1. You are invited to submit your most competitive quotation for the following goods:-

Brief Description of the Goods	Specifications *	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
Photoperiod and temperature controller, Humidifier and controller	Annexure - I	06	90 days after issue of Purchase/Supply Order	Division of Plant Physiology, IARI, Pusa Campus, New Delhi - 110012	As per terms and conditions.

\* Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only.

2. Government of India has received a financing from the World Bank towards the cost of the said Equipment/Item under **NAHEP-CAAST (71-01) Project** and intends to apply part of the proceeds of this financing to eligible payments under the contract for which this invitation for quotations is issued.

3. **Bid Price**

- 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.
- All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- Sales tax in connection with the sale shall be shown separately.
- 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.
- The Prices shall be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation.

5. **Validity of Quotation**

Quotation shall remain valid for a period not less than 15 days after the deadline date specified for submission.

6. **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 Quotations would be evaluated for all the item together/would be evaluated separately for each item. *[Select one of the options]*.

Sales tax in connection with sale of goods shall not be taken into account in evaluation.

7. **Award of contract**

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

- 7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
  - 7.2 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 supply order.
  - 7.3 Successful Bidder should submit 10% of Total cost of Equipment as Performance Guarantee after receiving the Purchase/Supply Order.
- 8. Payment shall be made immediately after delivery of the goods.
  - 9. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.
  - 10. You are requested to provide your offer latest by **13.00 hours on 07/11/2022**.
  - 11. We look forward to receiving your quotations and thank you for your interest in this project.

(Purchaser)

Name: Asstt. Admn. Officer  
Address: Division of Plant Physiology,  
ICAR-IARI, Pusa Campus,  
New Delhi - 110012  
Tel. No. 011 25842815.



# Annexure -I

## **Specification for Photoperiod and temperature controller, Humidifier and controller**

1. An ergonomically designed heavy-duty (at least 52kg weight) humidifier that can maintain relative humidity (RH) of the plant growth chambers/greenhouses according to set values ranged 0 to 85%
2. This plug-and-play humidifier system should have the capacity to store at least 15 litres of water in the inbuilt storage tank and nebulize water into fine particles at the rate of 23000 ml/hr to maximum of 24000 ml/hr to cover 1000 square feet of greenhouse coverage area along with complete set of suitable switches, electric protection, water connection point, overflow point, etc.
3. The body material should be Stainless Steel 304.
4. Electrical component of the humidifier should be a reliable, transformer-based system.
5. The system should be able to monitor the relative humidity (0-85%) of the greenhouse/ growth chambers and operate at a noise level of < 40 dB.
6. The humidifier system should have the provision to integrate with the centralized control system of the greenhouse for turning on/off depending on the RH sensed by the greenhouse sensors.
7. The humidifier should have an energy-efficient system to nebulize the water at a rate of no more than 1200 watts.
8. The humidifier should be portable with sturdy caster wheels.
9. The humidifier should be supplied with at least 12 months of warranty.
10. Product should be a standard catalog item.

### **Terms and conditions:**

1. This is a nil deviation bid. The product has to strictly adhere to the given specifications.
2. The bidder should have ISO 9001:2015 certification. Certificate copy to be attached with the bid.
3. Manufacturer certificate of OEM
4. Authorized Reseller should submit OEM Authorization Certificate on OEM letterhead with stamp and sign.
5. FOR to IARI, free demonstration and installation of the item.
6. Rate Reasonability Certificate from OEM/Authorized Dealer should also be enclosed with the bid.

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**FORMAT OF QUOTATION \***

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
	<b>TOTAL</b>						
	<b>Sales Tax</b>						

**Gross Total Cost : Rs. ....**

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

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 has engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices (as defined in the prevailing World Bank's sanctions procedures) in competing for or in performing the Contract.

**Signature of Supplier**

\* *Applicable while the bids are being invited for more than one item and would be evaluated for all the items together.*

Modify where evaluation would be made for each item separately.