



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: 50-4/TTRC/19-20/NAHEP(71-01)

Date: 27/02/2020

Dear Sirs,

**Sub : INVITATION FOR QUOTATIONS FOR SUPPLY OF  
Table Top Refrigerated Centrifuge**

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
Table Top Refrigerated Centrifuge	Annexure - A	04	Within 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/Sealed Quotation latest by **13.00 hours on 03/03/2020**.

11. We look forward to receiving your quotations and thank you for your interest in this project.

(Purchaser)

Name: Assistant Admn. Officer.

Address: Division of Plant Physiology,  
IARI, Pusa Campus,  
New Delhi - 110012

Tel. No. 011 25842815.

Fax No. ....

## Annexure -A

### Required specification for Table Top Refrigerated Centrifuge

1. Capacity of 1 Litre or more
2. Max Speed (RPM): 14000-15,000; x. RCF: 20,000-22000 x g.
3. Temperature ranges from at least - 4°C to +40°C with CFC free refrigeration system for fast and stand by cooling facility. System should maintain temp. 4°C .
4. System must have capability to run 10 or more Micro Titer Plate, 4 or more deep well plates and 8 or more cell culture plate; System should have capability to spin 48 or more 1.5/2 ml tubes.
5. Timer: 1 - 99 minutes and continuous run or better.
6. Microprocessor controlled alphanumeric LCD display / Touch Screen display to set & run parameters i.e. Speed, RCF, Temperature, Run Time, etc.
7. Maintenance-free, noiseless and brushless drive motor
8. Different curves for acceleration and deceleration
9. Automatic rotor identification system
10. System should have End of run alarm and Emergency lid opening on power failure
11. User defined 30 or more Programmable storage memory for routine experiments
12. Noise level less than 60 dBA.
13. Emergency lid release should be integrated in to front panel of the instrument for easy access
14. System must be EN 61010-2-020 and European CE / US FDA Certified. Certificate must be enclosed.
15. Power supply: 220-240V AC, 50/60 Hz ; System should be quoted with Servo Voltage stabilizer.
16. **One-year warranty from the installation date along with spares.**

### **Required Rotors/ Adaptors along with each machine.**

1. A suitable Autoclavable fixed- angle Metal rotor for 6 x 80-100 ml rotor with at least 15000-20000 x g force should be supplied along with 24-30 place 1.5 ml adaptors, 6-8 Place x 5 ml adaptor, 6-8 Place x 15 ml Conical adaptors and 6-8 Place x 50 ml conical adaptors and 6-8 Place x 50 ml round bottom tubes adaptors.
2. System must be supplied with 4 x 250 ml. swing out rotor with at least 4200-4500 rpm and 3200-3500 x g force. Should be supplied at least 32-36 Place of 15 ml. adaptors, 16 -20 Place of 50 ml adaptors, at least 100 Place of 1.5/ 2 ml adaptors and 4 Place of 250 ml bottle adaptors along with 4 nos. of 250 ml bottle.

### **Terms & Conditions**

- Supplier need to submit the specification compliance for their product in a tabulated and point wise manner
- Authorized dealer/supplier in India should enclose authorization certificate from the Principal
- Authorized dealer should have service centre in India
- Brochure having detailed technical specifications (to be enclosed in original with quotation)
- On-site installation, demonstration and training
- Detailed technical manual in original with instrument
- 10(Ten) User certificate/order copy to be enclosed with the document.

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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
1.							
	<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.