



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: 03/10/2019

To

As per List Attached

Dear Sirs,

**Sub : Invitation for Quotation 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	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 \_\_\_\_\_ 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.

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 14/10/2019.

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

### Technical Specifications

Name of the Capital item with brief description: **Table Top Refrigerated Centrifuge**  
**Table Top Refrigerated Centrifuge with maximum capacity 4.0 liter or more**

1. Max Speed (RPM): 14,000 or more with accuracy of 10 rpm.
2. Max. RCF: 20,000 x g or more
3. Temperature ranges from at least 0°C to +40°C with CFC free refrigeration system for fast and stand by cooling facility. Sample temp. Should be 4°C or less at max speed
4. Facility to run the 14 - 16 – Micro Titer Plate (MTP) / 96 Well PCR Plate
5. Time pre-selection: Short run, 0-99 minute, continuous run
6. Microprocessor controlled alphanumeric LCD Screen for display of 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, End of run alarm and Emergency lid opening on power failure.
10. Motorized lid lock with automatic lid opening after run
11. User defined 30 Programmable storage memory for routine experiments
12. Provision for changes in parameters during centrifugation.
13. Emergency lid release should be integrated in to front panel of the instrument for easy access.
14. System should have the inbuilt condensation drain in the rotor chamber / bowl.
15. Power supply: 220-240V AC, 50/60 Hz
16. International certification like *I<sub>v</sub>D* conformity.
17. System should be quoted with suitable voltage stabilizer.
18. One year warranty with spares

### Essential accessories

- i. **A suitable autoclavable swing out rotor with option for aerosol tight lid for 4 x 250 ml bottles with rectangle buckets and adapters for 1.5mL (upto 64 tubes or more), 15mL (upto 36 tubes or more), 50mL, 100mL and 96 – well PCR Plate**
  - i. Max speed (RPM): 4,000 or more
  - ii. Max RCF: 3,000x g or more
- ii. **A suitable autoclavable fixed- angle rotor for 6 x 50 ml or more**
  - i. Max speed (RPM): 12,000 or more
  - ii. Max RCF: 20,000x g or more
- iii. **All essential adapters suitable for operating all volume ranges**
- iv. **Centrifuge tubes and bottles: 32nos of 250mL bottles, 64 no of 50mL and 100mL tubes, 200 nos of 15mL, and 5000 Tubes of 1.5mL as ready to use plastic wares**

### 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
- On-site warranty minimum of 2 years from the date of installation
- 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
- 25 (Twenty five) 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.