

**DIVISION OF VEGETABLE SCIENCE  
ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE  
NEW DELHI-110012**

**Tender ID: 2020\_DARE\_538468\_1**

**F. No. 53-4/VS/2019-20/RE**

**Dated: 23.01.2019**

**Subject: Purchase/supply of Rotary Evaporator at the Division of Vegetable Science, ICAR-IARI, New Delhi-12.**

Online Quotations are invited from reputed manufacturer/Dealer/Supplier in two bid system (Technical bid & Financial bid) for purchase/supply of Rotary Evaporator on behalf of Director, ICAR-Indian Agricultural Research Institute, New Delhi. The last date for online submission of Bid is 14.02.2020 at 1:00 P. M. The bids will be opened on dated 15.02.2020 at 3:30 P.M. in the Division of Vegetable Science by prescribed committee.

**Quotation shall satisfy the following conditions:**

1. The rates quoted shall be valid for a minimum period of **180** days from the last date fixed for the online submission of bid.
2. The rates quoted in INR shall be free cost of delivery and installation at the Division of Vegetable Science, ICAR-IARI, New Delhi-110012. Costs of imported item/equipment manufactured in abroad, should be quoted in the currency of manufacturing country on FOB basis and showing price upto CIF. Quotation in Indian Rupees will be accepted if the good/equipment is manufactured in India, otherwise the bid will be liable to reject.
3. Custom Duty Exemption Certificate (**CDEC**) will be issued only when the bid is quoted in foreign currency in case of foreign made items only and meant for IARI.
4. In case the bid is offered in Indian Rupees on FOR value basis than Certificate for concessional GST will be issued by the institute. However, GST as applicable after concession will be paid by the Institute as per rule.
5. The successful bidder will have to provide the original Performa invoice from the foreign principal(duly signed in ink), in case of imported item/equipment, within **15 days** of the date of receipt of purchase order, otherwise the purchase order will automatically stand cancelled without any further communication.
6. Full specification of the item/equipment quoted for shall be given in the quotation along with scanned copy of brochure/literature/pamphlet/drawing etc. Scanned copy of User list of the quoted equipment may also be additionally provided for reference.
7. If taxes, duties or any other charges over and above the rates quoted leviable, actual percentage of such taxes/duties/other charges should be clearly indicated.
8. If the bid is submitted by the authorized dealer on behalf of the Manufacturer/OEM, than scanned copy of valid authorization certificate from the Manufacturer/OEM must be provided otherwise bid will not be considered.
9. As per CVC's guide lines No. 12-02-6 CTE-SPJ (1)-2/161730 (Circular No. 3/1/12 dated 13/01/12 , in a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. Further if an agent submits bid on behalf of the Principal/OEM the

same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.

10. Supply is to be made by any convenient mode of transport at supplier's risk unless otherwise specified.
11. In case the material is supplied through an authorized agent, manufacturer shall be responsible for the successful installation of the equipment. The manufacturer shall be liable to any penal action for the shortcomings of the authorized agent. Any payment that is to be made separately to the agent shall be clearly mentioned in the quotation.
12. The bid should be accompanied with **earnest money of Rs. 10,000/- (Rupees Ten Thousand only)** in the form of **D.D. /Pay Order/Fixed Deposit Receipt/Bank Guarantee** from commercial bank drawn in favour of Director, IARI. The original EMD should be submitted to the tender inviting authority on or before last date and time of online bid submission. The detail of DD/Pay order/FDR/Bank Guarantee physically sent should tally with the details available in the scanned copy and data entered during the bid submission time otherwise the uploaded bid will be rejected.
13. No interest on security deposit and earnest money deposit shall be paid by the institute to tenderer.
14. The EMD shall be refunded to the unsuccessful bidders after finalization of the quotation. In case of successful bidder, it can be adjusted towards security deposit which is **5-10%** of the order value in the form of **D.D./Pay order/Fixed Deposit Receipt/Bank Guarantee** from commercial bank drawn in favor of Director, IARI and shall remain valid for **60** days beyond the date of completion of all contractual obligation of supplier including warranty obligation for the equipment/goods costing Rs. 1.00 Lakh (Rs. One Lakh) or more. Here would however, be no performance security deposit for equipment/goods costing less than Rs. 1.00 Lakh (Rs. One Lakh).
15. **One year** warranty has to be invariable provide by the firm. In case, there is any variation in the warranty period given in the specification of the item/equipment, the warranty period shall be the final as given in the specification.
16. Payment will be made by mode of e-payment to the supplier/firm after satisfactory completion of work and receipt of pre-receipt bills in triplicate. In case of foreign currency payment shall generally be made through LC directly to the manufacturer.
17. The Director IARI, New Delhi reserves the right to accept or reject any or all the quotations either in full or in parts without assigning any reason.
18. Quotations not complying with the above conditions are liable to be rejected.
19. Original EMD shall be send/deposited at administrative office Room No.26 of the Division of Vegetable Science, ICAR- IARI, New Delhi-12.
20. TIN/VAT/PAN/CST/GST /ISO Nos. may be given on the Quotation.
21. AMC/CMC charges shall not be included for the evaluation of the financial/commercial bids.
22. Financial Bid will be opened of those firms who qualify in Technical bid.
23. There will be no exemption for paying earnest money. However, Firms registered with the Central Purchase Organisation/NSIC only are exempted submitting bids without EMD. (Scanned copy of registration must be attached therewith without which it will not be considered)
24. In case, any dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & court, at New Delhi. Sole arbitrator is appointed by the Secretary, ICAR, New Delhi. His decision will be final and binding to both parties (supplier and Purchaser).

25. The successful bidder has to execute the indented material as mentioned in the supply order placed with them within the stipulated period as given in the supply order placed by the unit/Division of this Institute failing which 2% per week and maximum of 10% deduction as liquidated damage charges will be made from the bill in case the material is not supplied within the given stipulated period.

**The scanned copy of following documents must be furnished with the technical bid failing which tender will not be accepted at all.**

1. Scanned copy of TIN/VAT/LST/CST/GST.
2. Scanned copy of Pan Card.
3. Scanned copy of current authorization letter issued from manufacturer/principal Firm in original.
4. Scanned copy of Earnest Money Deposit (EMD) or scanned copy of registration from Central Purchase Organization/NSIC.
5. Scanned copy of brochure/literature/pamphlet/drawing.
6. Scanned copy of user list.
7. Scanned copy of self certification that firm has not been debarred/black- listed by the Govt. Department/court of law for doing business in India and no criminal legal suit is pending or contemplated against it.
8. Scanned copy of compliance statement in accordance with the tender technical specification.
9. Scanned copy of the tender document duly signed by the concerned firm accepting the same.

Description of the item	Qty. Required
Rotary Evaporator as per specifications at annexure-I	one

Copy uploaded on IARI website: [www.iari.res.in](http://www.iari.res.in) & CPP Portal website ([www.eprocure.gov.in](http://www.eprocure.gov.in)).

**Asstt. Admn. Officer  
Division of Vegetable Science**

## Technical Specification for Rotary Evaporator

### Rotary Evaporator

1. Rotation Speed up to 280 RPM or better, Vertical condenser with Condenser surface area of 1400 cm<sup>2</sup> or more.
2. It should have integrated control panel with digital LCD display in front of main machine to control and adjust rotation and heating temperature.
3. Convenient Motor Lift or hand Lift.
4. There should be two separate knobs with dynamic control for setting the rotation speed and heating bath temperature.
5. The Accidental changing of the values can be prevented by the lock function & the locking function of the knobs prevents unintentional adjustment of the values.
6. There should be ground-free condenser design with grease-free threaded connections.
7. There should be highly resistant and particularly durable PTFE vacuum seals that can achieve maximum tightness and reduce expenses for spare parts in the long run.
8. The universal heating bath temperature should be 20-210 Degree Centigrade or wider range starting from 20 degree C
9. Bath Temperature Accuracy  $\pm 1^{\circ}\text{C}$ .
10. Heating bath should accommodate 5 litre flask as a standard
11. Heating bath should have safety handles and drain spout available
12. Heating bath should have cut-off at 5 Degree Centigrade over set temperature and Secondary over temperature cut-off of 250 Degree Centigrade.
13. Rotation Speed: 10-280 RPM or better.
14. Should have Stand with clamp to support condenser as a standard supply
15. Should have Integrated clamp to hold evaporating flask

### **Vacuum pump with manual or digital vacuum controller.**

1. Chemical resistant Diaphragm pump
2. Suction capacity should be 2 m<sup>3</sup>/h or more.
3. Ultimate vacuum should be 7 mbar or better.
4. Vacuum pump should be valve controlled vacuum pump for use of other applications also.
5. There should be manual vacuum controller with Pressure range from 0 to 1,000 mbar & Scaling on display in steps of 50 mbar or digital vacuum controller.

### **Recirculating Chiller**

1. The chiller should have clearly arranged control elements, large LED display, membrane keypad, and window for monitoring the tempering liquid level.
2. It should have automatic start and shut down feature.
3. It should have temperature range from -10 °C to +25 °C or better.
4. It should have cooling capacity of 350 W or more at +20 °C or better.
5. It should have thermo fluid fill volume 4-7 L or more.
6. It should have Temperature accuracy  $\pm 0.5\text{K}$  or better.
7. It should have pump pressure max .35 bar or better.