

**TENDER DOCUMENT
FOR THE SUPPLY, INSTALLATION AND
DEMONSTRATION OF FREEZE DRIER**



ATAL INCUBATION CENTRE
KERALA UNIVERSITY OF FISHERIES AND
OCEAN STUDIES

*Supported by Atal Innovation Mission,
NITI Aayog, Govt. of India*

**Atal Incubation Centre- KUFOS
Kerala University of Fisheries and Ocean Studies
Panangad P.O Kochi, Kerala - 682506, India
October, 2026**

INVITATION FOR TENDER

Ref No. AIC-KUFOS/2026/76

05/10/2026

AIC-KUFOS Kochi Foundation, Atal Incubation Centre (AIC-KUFOS), invites sealed/online competitive bids from eligible and qualified manufacturers/authorized suppliers for the Supply, Installation, Testing, Commissioning and Trial Run of Freeze Drier at the maker space of AIC-KUFOS, Kerala University of Fisheries and Ocean Studies (KUFOS), Kochi.

1. SCOPE OF WORK

The successful bidder shall be responsible for:

1. Supply and delivery of the complete freeze dryer with required accessories.
2. Transportation and installation at the designated production line.
3. Testing and commissioning of the equipment.
4. Demonstration and basic operational training to designated personnel.
5. Supply of user manuals, warranty certificate and technical documentation.
6. Providing necessary after-sales service and technical support.

2. TECHNICAL REQUIREMENTS

Sl.No	Technical Specification	Minimum Requirement
1.	Condenser Temp:	-80°C, cascading dual compressor with CFC/HCFC free refrigeration system
2.	Condenser MOC:	SS 304 with Teflon coated
3.	Ice Condenser Capacity:	10Kg
4.	Sensors:	Condenser and Tray temp, Vacuum sensor
5.	Drying chamber:	Bulk drying chamber with 4 SS shelves with colan circulation facility with 4 removable SS trays of size 400x300mm with 70mm clearance between trays. Shelf loading capacity 1.2lit per tray with maximum of 10mm thickness. Total 4.8lit Interchangeable SS Tree to hold flaks of various sizes upto 6Nos
6.	Tray temperature	+40deg C to -50deg C

7.	Display: Graph and table:	Touch screen color graphical 7" display with real-time clock & total run time of the machine Trend graph of condenser temp, tray temp, and vacuum curve Data table of condenser temp, tray temp, and vacuum level vs time Program memory Profile step control of tray temp
8.	Storage of data:	USB interface and Pen drive data storage facility
9.	Vacuum unit selection:	Both in mbar and pascals user selectable
10..	Power failure:	Auto restart after power resumes and delay start of 1min
11.	Drain and vacuum release:	Automatic valve
12.	Flask	Round bottom flask: 100 ml- 2nos. 250 ml- 2 Nos, 500 ml- 2 Nos.
13.	Pump: Displacement capacity:	Direct drive oil pump. 500lpm 3 phase pump, NRV(Non-return Valve) to avoid back stream of oil, Exhaust Filter, , Vacuum oil(5L)
14.	Vacuum leak safety	Should give alarm and cutoff the vacuum pump while vacuum leak-automatic detection
15.	Ultimate vacuum:	<10pa display upto 0.1Pa. The vacuum pump should start only after the condenser temperature reaches below -70°C & stops at -50deg C
16.	Sample preparation device	Tray Size: 400x400mm, clamps 100ml-5Nos, 250ml-10Ns, 500m-4Nos & 1Lit-2Nos. Static Tray, Tray chamber temp: 4deg C to 60deg C ambient @25°C digital display and PID control , Tray shaking speed 30-300rpm with digital display and control, illumination system.Auto door open cutoff.
17.	Warranty and AMC	One year and Three year AMC after warranty
18.	Stabilizer:	Suitable

3. TESTING AND COMMISSIONING

1. The equipment shall be installed and tested at the designated location within 30 days from the date of issue of the Purchase Order
2. The bidder shall demonstrate the functioning of the specified systems and features.
3. The equipment shall be handed over only after satisfactory testing and commissioning.

4. Any defects identified during installation or commissioning shall be rectified by the bidder at no additional cost.

4. ELIGIBILITY CRITERIA

- The bidder shall be the original manufacturer or an authorized dealer/distributor of the quoted freeze drier. In case of an authorized dealer, a valid authorization certificate from the manufacturer shall be submitted.
- The bidder should have successfully supplied, installed and commissioned at least two similar equipment during the last 3 years.
- The bidder shall submit valid copies of:
 - GST Registration Certificate
 - PAN
 - Company/Firm Registration Certificate
 - GST returns/financial documents, if required
 - Manufacturer Authorization Certificate, where applicable
 - Relevant experience/supply orders and completion certificates
- The bidder shall submit a declaration that the firm/manufacturer is not blacklisted or debarred by any Central/State Government Department, Government institution, PSU or statutory body.
- The bidder shall duly fill, sign and stamp the prescribed Annexure I and II and submit the same along with the bid.

5. WARRANTY AND MAINTENANCE

- A minimum 12-month warranty shall be provided from the date of successful commissioning.
- The warranty shall cover repair or replacement of defective components due to manufacturing or installation defects.
- Warranty services shall be provided at no additional cost.
- The bidder shall also quote Annual Maintenance Contract (AMC) charges for four years after the expiry of the warranty period.

6. PAYMENT TERMS

- Payment shall be made as per the terms specified in the Purchase Order.
- Payment shall be released after successful delivery, installation, testing and commissioning and submission of required documents.
- Applicable statutory deductions shall be made as per rules

7. PROPOSAL SUBMISSION

Interested eligible bidders are invited to submit their proposals in a sealed cover superscribed “Proposal for Supply, Installation, and Demonstration of Freeze Dryer at AIC-KUFOS Kochi Foundation.”

The proposal shall consist of two parts: (i) Technical Proposal and (ii) Financial Proposal.

The Technical Proposal shall include the bidder’s profile, organizational details, relevant experience in the supply, installation and commissioning of similar freeze-drying equipment, particularly for research institutions, universities, food processing units, incubation centres or comparable facilities. The technical proposal shall also include detailed technical specifications, make and model, product brochure/datasheet, compliance statement, installation and commissioning methodology, delivery schedule, training and demonstration plan, warranty and maintenance commitments, after-sales service details, and copies of all applicable statutory registrations and certifications.

The Financial Proposal shall provide a comprehensive cost estimate for the complete supply and execution of the work, clearly indicating the cost of the freeze dryer, accessories, transportation, installation, testing, commissioning, demonstration, training, taxes, duties and any other incidental expenses necessary for the successful installation and functioning of the equipment.

The completed proposal shall be submitted to the Chief Executive Officer, AIC-KUFOS Kochi Foundation, Ground Floor, Academic Block, Kerala University of Fisheries and Ocean Studies (KUFOS), Panangad, Kochi – 682506, Kerala, on or before the prescribed due date and time. AIC-KUFOS Kochi Foundation reserves the right to accept or reject any proposal, either wholly or partially, without assigning any reason, and shall not be bound to accept the lowest quotation. Proposals received after the stipulated deadline shall be liable for rejection.

6. TIMELINE

- Tender publication date: 06/10/2026
- Tender closing date : 19/10/2026 at 4.00 p.m
- Tender opening date : 19/10/2026 at 5.00 p.m

ANNEXURE 1

GENERAL INFORMATION ABOUT THE TENDERER

1	Tender reference No.	
2	Date of submission of tender offer	
3	Details of EMD submitted (if any)	
4	Tender submitted by	
	Name of Tenderer	
	Registered address of the firm with GSTIN	
	Telephone No.	
	Email	
5	Name of the Principal Supplier (if not self)	
6	Authorization by the principal supplier (Attach details)	
7	Authorized contact person	
	Designation	
	Telephone No	
	Mobile No	
8	Communication Address	
	Telephone No	
	Email	
	Registration No. & Date of Registration	
9	Nature of Business	
	OEM, Authorized dealer, Direct importer	
10	Key personnel Details (Chairman, CEO, Directors, Managing Partners etc.)	
	Name	
	Designation	
	Communication Address	

	Telephone No	
	Email	
11	Bank Details	
	Bank Account NO.	
	Bank Name & Address	
	Branch Name & IFSC Code	
	Telephone No & Email ID	
12	List of supporting documents submitted along with the tender	
	Any other relevant information	

Date _____ Office Seal _____ Signature of the bidder / Authorised signatory _____

Annexure II

Eligibility criteria compliance statement

Sl.No	Criteria	Compliance (Yes/No)	Proof/remarks/deviations
1	Authorization certificate must be attached if the bidder is a dealer		
2	The supplier must have sold at least three numbers of the quoted item in South India in Government/ reputed institutions during last five years		
3	The bidder should not be Debarred/Blacklisted or Banned from any University/Government Institute/PSU and must produce an undertaking to this effect		
4	Purchase Order and performance certificate of the quoted model of equipment from five reputed customers during the last five year period.		
5	Copy of up-to-date GST registration certificate & PAN must be Submitted along with the Technical Bid		
6	Agreement executed in Kerala Stamp Paper worth Rs.200/-		