



KERALA UNIVERSITY OF FISHERIES & OCEAN STUDIES
കേരള ഫിഷറീസ്-സമുദ്രപഠന സർവ്വകലാശാല

PANANGAD P.O., KOCHI 682 506, KERALA, INDIA
Phone:0484- 2703782, 2700598; Fax: 91-484-2700337; e-mail: utypanangad@kufos.ac.in



No.GA7/11488/2024	Panangad, Dated: . 12.2024

TENDER NOTICE

Competitive Tenders are invited for the “**Supply and Installation of Laboratory Scale Rotary Vacuum Evaporator with Accessories, FOST, KUFOS, Panangad**” with requirements/ specifications as attached herewith:

Last date & time for receipt of tender	18.01.2025	03.00 pm
Date & time of opening of tender	18.01.2025	03.30 pm

The envelope containing the Tender should bear the superscription “**Supply and Installation of Laboratory Scale Rotary Vacuum Evaporator with Accessories, FOST, KUFOS, Panangad, GA7/11488/2024**” and should be sent to ‘The Registrar, Kerala University of Fisheries and Ocean Studies, Panangad, Kochi - 682506, Ernakulam District’.

Intending firms/individuals can submit their tenders in the tender form downloaded from the official site of KUFOS with detailed specification. The tender cost @ 0.2% of the quoted amount (Subject to a minimum of Rs.400/-) + 12% GST of the tender cost and EMD @ 1% of the quoted amount (subject to a minimum of Rs.1500/-) shall be transferred by means of E- payment to the SB account No.67149674791 with State Bank of India, Vyttila branch (IFS Code: SBIN0070517), favouring 'The Finance Officer, KUFOS', and documents in proof of the money transfer shall be attached along with the offer.

More details will be available in the Office of Dr. V P Limna Mol, Assistant Professor and Co - Principal Investigator of DoM Project, Department of Marine Biosciences, FOST, KUFOS, Panangad on all working days with the permission of undersigned. Our GST Regn. No. is: 32AAAGK003IQIZL. The rate quoted should be firm and inclusive of all taxes. Period of firmness during which the rates would be firm is 30 days from the date of work orders.

All the terms and conditions applicable to University/Government quotation/Tenders are admissible to this also. Right to accept the Tender in full or in part or to reject without assigning any reason whatsoever is reserved with the undersigned.



To : Firms/ Programmer to publish on the website

Copy to: Dean FOST/ Dr. V P Limna Mol, Asst. Professor and Co-PI of DoM Project, FOST

Technical Specification

Rotary Vacuum Evaporator

- Motor type - Brushless DC Motor.
- Speed range - 20-200 rpm.
- Display LED (Speed, temperature and time).
- Direction of Rotation Clockwise and counter clockwise.
- Heating temperature range RT-180°C.
- Control accuracy Water $\pm 1^{\circ}\text{C}$ -Oil $\pm 3^{\circ}\text{C}$.
- Lift stroke: Manual 110mm=Auxiliary 100 mm.
- Interval time setting range 1-999s.
- Dimension(D×W×H) Main Unit-440×320×450mm.
- Heating bath-300×300×240 mm.
- Weight Main unit - 7 kg Heating bath 3 Kg.
- USB Interface - YES.
- 5L heating bath with a wide temperature range (room temp.to180°C).
- Independent temperature control makes it can be used separately. Water/oil heating mode can be changed just through a switch.
- Manual lift combined with auxiliary lift for precise positioning of the glassware.
- PID control ensures high temperature accuracy at $\pm 1^{\circ}\text{C}$ (water).
- Overheating protection temperature at 220°C.
- Boil-dry protection, automatically power off if heating without water/oil in the heating bath.
- Speed ranges from 20 to 200rpm, timing interval operation in clockwise and anticlockwise directions for drying process.
- Patented Condenser (cooling surface 1200/1700cm² for selection), speeding up the flow rate of liquid with excellent cooling effect.
- Ejection mechanism ensures easy exchange of evaporating flask.
- Adjustable immersion angle.
- Double spring sealing ring which is made of PTFE provides an excellent sealing performance.
- Optional glassware with explosion proof film available.
- High temperature warning when above 50°C.





Refrigerated Circulators

- Working Temperature : -10 to 100°C
- Temperature Accuracy : 0.1°C
- Display Resolution : 0.1°C
- Bath Volume : 5LTR
- Bath Material : Deep Drawn SS
- Pump Pressure : 300 mBar
- Dimension (WXLXH cm) : 25x45x61
- Cooling Capacity : 350W
- Inlet & Outlet : 8mm/12mm
- Heater Capacity : 1000W

Double Stage Chemical Resistant Vacuum pump

- Make: Superfit
- Cat. No: OFD-45-D-CRP
- Max Flow: 38 (Ltr/Minute)
- Max Vacuum (Inches Hg): 27
- Motor (HP): 1/4

Features: -

- No Lubricant Required.
- All Parts made from special framed Aluminum Die cast Material.
- Noiseless Performance.
- Pumps having Chemical Resistive Parts (PP, Teflon).
- Valves Made of SS 316 Material
- Extra Large Bearing for Trouble free and smooth Running.

General Specifications

- Only standard models should be quoted and custom-made products strictly will not be considered.
- Details of related published document, web links and list of publications in support of your claims on the equipment supplied/manufactured by you must be enclosed and also all the technical details of the quoted model Rotary Vacuum Evaporator should be mentioned on the company's website and brochure.
- The instrument should be from the direct OEM and the quoted model with technical details should be available/published on the OEM's website.
- The manufacturer should provide at least ten userlist of same quoted model installed at reputed institutions within Kerala.
- The manufacturer must have service centre at Kerala. The address of the service centres to be furnished.



Document 2025/101/155 - GENERAL(modified version of 2024/27920/101) - File No. 2024/101/11488
Approved by Registrar on 03/01/2025 12:16:34

<http://www.kufos.ac.in/>
OQFB-wmD-oqFH-zxmtrN



KUFOS HQRS, Panangad, Ernakulam

- The system should be installed by the trained Engineer and should be trained on application, operation and maintenance.
- The manufacturer/ vendor should have authorized service centre in Kerala, the address should be furnished.
- **Warranty Three years**
- Quantity / Numbers required : One

REGISTRAR