



**UNIVERSITY OF CALICUT**  
(Purchase Division)

53528/PURCHASE-ASST-B1/2018/Admn

Calicut University P.O  
05.04.2018

**TENDER NOTICE**

Sealed tenders are invited in **two bid system** for the purchase of **Freeze Drier to Central Sophisticated Instrumentation Facility (CSIF)**. For details log on [www.universityofcalicut.info](http://www.universityofcalicut.info). The tender form can be downloaded from the University website.

Tender Notice No.	No. 53528/PURCHASE-ASST-B1/2018/Admn dated 05.04.2018
Item	Purchase of Freeze Drier to Central Sophisticated Instrumentation Facility (CSIF).
Last date and time for the receipt of tender	26.04.2018 04.00 PM
Date and Time for opening the Tender	28.04.2018 02.30 PM
Designation and address of officer to whom the tender is to be addressed	Deputy Registrar, Purchase Division, University of Calicut, Calicut University P.O., Malappuram Dist PIN - 673 635 Ph: 0494-2407130/ 160
Superscription	Tender for the purchase of Freeze Drier to CSIF.
Cost of Tender	Rs. 1008/- (inclusive of 12% GST)
Earnest Money Deposit (EMD)	Rs. 4,500/-

Sealed tenders with cost of tender form and EMD in separate Demand Drafts in favour of Finance Officer shall be submitted along with the tender documents to the address noted above.

The necessary superscription, due date for the receipt of tenders and address of officer to whom the tender is to be send are noted above. Any bids received after the time fixed on the due date will be rejected. The firms which has been blacklisted already are not eligible to apply.

**Specifications**

Feature	Required Specification
Bench top Freeze dryer	230 V, 50 Hz, air cooled CFC and H-CFC-free refrigerant
Drying capacity	4.5 L/day or better
Condenser temperature	-85 deg C
Vacuum needed	0.02 milli bar or better
Drying chamber	Durable stainless steel chamber with PTFE coating approximately 10 cm diameter resistant to corrosion, thick stainless steel lid with gasket and valves with molded plastic knobs with adapters for connection of flasks. Ice condensing chamber with drain valves for defrosted water PTFE coated collector coil
Vertical manifold	Stainless steel with 12 to 18 ports
	Borosilicate- 300 ml dimension- 15 cm, height 5 cm diameter-Long tube type -Required no: Sufficient for the number of ports and 4 sets as

Wide neck filter bottle	spares Adapters- Required no.: Sufficient for the number of ports and 4 sets as spares Filters- Required no.: Sufficient for the number of ports and 4 sets as spares
Vacuum pump and accessories	To get the required pressure, resistant to organic solvents, with filters for removing oil mist, hose and required accessories for proper working of the pump.
Defrost and drain	Hot gas defrost with auto shut off Wear-resistant, quick-disconnect drain hose
Sensors and valves	Automatic pressure checking and cut off in case of leakage freeze dryer, Drain line sensor to detect moisture to avoid damage of pump and oil mist in the lab. Vacuum break valve to prevent oil back streaming during power drop. Vacuum control valve. Vacuum measuring sensor- Vacuum measuring device for direct connection to freeze dryers, measuring range 1000-0.001 mbar, with Pirani gauge. Full set with connection cable, clamping rings and accessories.
User friendly controls	Graphical user interface with touch screen controller to display for continuous monitoring, user selectable pressure control.
Power cables	For 230V, 50 Hz plug India
Warranty and maintenance	Require minimum one year warranty against damage and free service
<b>IMPORTANT</b>	The system should be self supporting so that all the required components should be provided for the proper usage of the system.

Any technical queries regarding the item shall be addressed to the Director, Central Sophisticated Instrumentation Facility(CSIF) at the number 0494-2407606.

#### Terms & Conditions

- 1) The bidder should mention the make and model no. clearly in the bid.
- 2) The rate quoted should be inclusive of GST and all other charges, if any. The base rate, GST charges and other charges, if any should be furnished separately.
- 3) The bidder should have valid GST registration and the same should be furnished in the tender
- 4) The bidder should submit separate sealed cover for financial bid as the tender is invited on two bid system
- 5) The bidder should attach the technical data sheet of the product.
- 6) All relevant Store Purchase Rules of Kerala Government will be applicable to the tender.

  
Shajee. K.

**DEPUTY REGISTRAR (PURCHASE)**  
**For Registrar**

To: The System Analyst, for publication of the same in the website.