



Mahatma Gandhi University, Kerala

Tender No: 18/Qut-Tend/IIUCNN/LY/2018-19

Dated: 10 /12/2018

NOTICE INVITING TENDER

(Tender No: 18/Qut-Tend/IIUCNN/LY/2018-19)

The Registrar, Mahatma Gandhi University, Kottayam invites online bid (technical and financial bid) for Supply and Installation of the Scientific Equipment LYOPHILIZER from reputed firms. The period of the tender is 180 days from the date of tender.

1	Name of the scientific equipment	LYOPHILIZER
2	Earnest money deposit (EMD)	Rs. 10,000/-
3	Tender submission fee	Rs. 1500/- + GST
4	Period of supply and installation	Within 60 days
5	Mode of submission of Bid	Online
6	Tender Documents	Can be downloaded from the website www.etenders.kerala.gov.in
7	Last date and Time of submission of tender by online	24.12.2018 4.00 pm
9	Date and time of opening of technical bid	27.12.2018 12.00pm

General tender documents and tender schedule can be downloaded in A4 plain size paper free of cost from the website www.etenders.kerala.gov.in. Documents to be submitted along with bid through online.

Sl.No	Through online
1	Scanned copy of valid registration certificate/dealership certificate
2	Scanned copy of duly filled e-payment form
3	Scanned copy of other certificates required, if any, for tender acceptance
4	Scanned Copy of duly filled preliminary Agreement in stamp paper of Rs.200/-
5	BOQ

SPECIAL CONDITIONS

1. Onsite training has to be arranged by the vendor. Training should include operation, software applications, analysis, handling and maintenance of system.
2. List of your customers using the instrument with the above mentioned specifications should be given.
3. Laboratory floor space, electrical power requirements, earthing, room temperature/humidity requirements etc. should be mentioned appropriately.
4. Complete set of service and operation manuals for diagnosis, trouble shooting, maintenance and electronic circuitry (soft copies).
5. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid.

The bids shall be opened at the date and time specified. Further details can be had from the office of **The Director, International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, Kerala-686560** on all working days during working hours . Detailed enquiries can be had from

Dr. Nandakumar Kalarikkal [Tel:0481,2731669 \(Office\), 07907478110\(Mobile\)](tel:04812731669)

E-mail:<nkkalarikkal@mgu.ac.in>, <cnnmgu@gmail.com> on all working days during working hours.

TERMS AND CONDITIONS

1. The quoted price should be inclusive of all taxes/freight/installation charges, etc.
2. Customs/Excise Duty Exempted price should also be quoted
3. The quotation should have at least Three Months validity
4. Brand name of the equipments should be mentioned and Brochure to be enclosed
5. Warranty conditions, details of the nearest servicing centers, user reference, necessary supporting catalogues and demonstration should be provided.
6. The right to accept or reject quotes without assigning any reason rests entirely with the undersigned
7. If the product has a Valid DGS & D rate contract, it may be quoted
8. If the date of receipt and opening of quotation is declared a holiday, the next working day shall be the last day for the purpose.
9. At least two users should be trained by the application engineers during the time of installation.

The bidders are advised to submit their bid well in advance to avoid any kind of network issues. The undersigned reserves the right to reject any or all the tender without assigning any reason whatsoever.

Registrar



Mahatma Gandhi University, Kerala

SUPPLY & INSTALLATION OF LYOPHILIZER

SPECIFICATIONS

Manifold Top Press Benchtop Freeze Dryer

Ideally used to freeze dry samples such as plant material, waste products, organic tissues, and polymers.

Specifications

Capacity/Per Tray - 1.2 litres

Condenser Temperature - -80°C

Freeze Drying Surface Area - 0.08 m^2

Pre-Freeze Shelf Dimension - $\varnothing 180\text{ mm}$

No. of Shelves - 4

Water Holding Capacity - 3-4 kg / 24hr

Vacuum Degree - $< 10\text{ Pa}$

Pump Flow Rate - 2 Litres / sec

Bottle $\varnothing 22$ - 165

Bottle $\varnothing 16$ - 285

Bottle $\varnothing 12$ - 560

Overall Dimension - $565 \times 420 \times (360/430)\text{ mm}$

Weight - less than 81 Kg

Power - less than 970 W

Power Supply - 110-220V, 50/60Hz

Advance Features:

1. Features vacuum freeze drying technology.
2. Drying curves are displayed on LCD screen.
3. Low noise compressor with a long shelf life.

4. Condenser, control panel, shelves and trays are made of stainless steel.
5. Tray spacing can be customized.
6. The drying chamber is equipped with organic glass for safety and visibility.
7. Manifold: 8 Flask which can use use/hold 250ml, 500ml, 1000ml Flask
8. With Top Press design : vials can be sealed insitu in shelves (total no.: 4) itself after completion of Freeze-drying procedure
9. Condenser features pre-freezing function.
10. Eco-friendly CFC free refrigeration system.
11. Pre- freezing function available with existing model
12. Features nitrogen valve and eutectic test device (optional).