



MAHATMA GANDHI UNIVERSITY
KOTTAYAM, KERALA, INDIA
School of Food Science and Technology
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P. D. Hills

No.SFST/SPF/01/2024

Dated :30.01.2024

TENDER NOTICE

The Honorary Director, School of School of Food Science and Technology invites sealed competitive Tenders in original including all taxes for the supply and installation of "**Freeze Dryer /Lyophiliser**" from reputed firms as per the specifications mentioned below.

The sealed covers containing Tender details should be super scribed "**Tender for Freeze Dryer /Lyophiliser**" and sent to Honorary Director, School of School of Food Science and Technology, Mahatma Gandhi University, P.D Hills P.O, Kottayam- 686560.

Last Date of Receiving Tenders:13.02.2024,

Time : 11.00 am

Opening date of Tenders: 13.02.2024, Time: 12.00 pm

SPECIFICATIONS

Technical Specification for Freeze Dryer /Lyophilizer table top

- Condenser temperature should be -50 °C or better
 - Tray dimension should be 200mm dia x 4 layers
 - Should have SECOP compressor, the refrigeration process is rapid and the condenser temperature is low
 - Should have color LCD touch display which can display drying curve , vacuum ,
 - condenser trap , run time , ambient temperature
 - The control system automatically stores data, and data can be viewed in form of curves.
- Whole freeze-drying process is clear

- Condenser, trays, drying shelf and pre freezing shelf should be made of Stainless steel 304 anti-corrosion and easy to clean
 - Shelf should be height adjustable tray
 - Should have transparent acrylic drying chamber for safe and easy observation
 - Should have Condenser with pre- freezing function
 - Should be supplied with Low noise compressor, good efficiency, long service life
 - Drying Chamber with organic glass should be safe and visible
 - Small volume, easy and convenient operation
 - Should have inbuilt USB port to output freeze drying data
 - Freeze drying area should be 0.12m² or better
 - Condenser Capacity should be 3-5kg or better
 - Vacuum degree : < 10 Pa or better
 - Bulk Capacity should be able to use 1.2L, 10mm thickness or better
 - Dimension should not be more than (L X W X H mm) : 460 X 625 X (370 + 465) approx.
 - Rotary vane Vacuum pump should be included along with the Unit
 - Pumping speed should be minimum of 2 L/S
 - Pump ultimate pressure should be 6*10 ps
 - Motor Speed should be minimum of 1400 r/min or better
 - Vacuum Pump motor power should not be more than 0.40kw
 - Vacuum pump oil capacity should be minimum of 1L (2/3 of sight glass)
 - Pump weight should not be more than 25kg
 - The vacuum pump should be connected with host by international standard KF quick joint
 - Should have Nitrogen valve optional and have provision for upgradation
 - Should have Communication interface is optional and have provision for upgradation
 - Power supply: AC 220V±10%, 50/60Hz.
 - Purchase order copy and minimum of 3 past performance certificate should be provided
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- Bidders should be the manufacturer/authorized dealer. Letter of Authorization from the same should be enclosed.
 - An undertaking from is required stating that they would facilitate the bidder on a regular basis with technology/product updates & extend support for the warranty as well.
 - Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specification, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid.
 - Equipment offered must be a model from the current serial production range of the manufacturer. Customized or One-off Manufactured Model will not be accepted. Offer should be supported with printed catalogue or depiction on company website.

- The firm should have a single-source Local Service Support Facility , for prompt after-sales service support. Supplier should mention the details of service setup and manpowers who are responsible for after sales support. Response time should be within 24hrs.
- Please mention full technical specification in compliance data sheet. All details should be mentioned in detail, and yes/complied/Ok type of statements are not acceptable. Submit appropriate documentary proof as per our technical specification.
- A minimum Warranty of 3 years should be provided
- Additional 5 litre vacuum pump oil should be provided along with the instrument

Note:

All the accessories and spares for installation and demonstration should be supplied by the firm along with the instrument. The instrument should meet all the specifications given in the tender and minor variations will be examined by the technical committee before acceptance/rejection of the tender. Loading, unloading and transportation cost will be met by the bidder. The instrument should be supplied in the School of Food Sciences and Technology Laboratory, Kottayam.

For more details contact School of Food Sciences and Technology, MG University, Athirampuzha Kottayam on all working hours.

Terms & Conditions:

1. Tender form and other details can be downloaded from : Downloads/other forms/format of Tender Form in www.mgu.ac.in by paying **Tender form rate-0.2% of quoted amount rounded off to nearest multiple of Rs. 100/- (Lowest amount = Rs. 400/-+GST, Maximum amount = Rs. 1500/-+GST)** can be paid by online in the University online payment system and challan should be attached along with the Tender.
2. Tender Amount should be including all taxes.
3. Tenure of Tender should be three months.
4. A preliminary agreement in document paper of Rs. 200/- has to be submitted along with the tender.
5. **Ernest Money Deposit (EMD) calculated @ 1% of (quoted amount) the Purchase assessment cost (PAC)** should be paid by through University online payment (www.mgu.ac.in.online payment - miscellaneous) or Demand Draft in favour of **The Honorary Director, School of Food Sciences and Technology** and submitted along with the sealed tender.
6. An agreement must be submitted by the qualified bidder and should submit 5% of the PAC as security deposit.

7. Tenders received after the last date and time should be rejected. The Registrar has the right to accept or reject the tender without any reason. If the tender opening day is a holiday it will open in the next office working day.
8. If not received the minimum number tenders, the last date will be extended to the next 15 days.
9. If received more tenders during the extended period, the first received tenders also to be considered.
10. Final payment should be released only after the proper installation and satisfactory report from the Technical Officer.
11. The terms and conditions should be attached along with the tender.
12. The terms and conditions of each tender will be evaluated by the technical committee and accept/reject the tender
13. Loading/unloading, transportation, customs clearance charge should be included in the quoted amount.
14. Bidder should arrange demonstration of the instrument.




Honorary Director
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