



MAHATMA GANDHI UNIVERSITY

MGU/DST-PURSE/2019/SBS2

Dated: 15/10/2019

NOTICE INVITING TENDER

(Tender No. MGU/DST-PURSE/2019/SBS2)

The Registrar, Mahatma Gandhi University, Kottayam for and on behalf of The Coordinator, DST PURSE PII Project, School of Biosciences, Mahatma Gandhi University invites online bid (technical and financial bid) for supply and installation of the scientific equipment **NIT Flash cum Preparative Chromatography** from reputed firms. The period of the tender is 180 days from the date of tender.

1	Name of the scientific equipment	NIT Flash cum Preparative Chromatography
2	Earnest money deposit (EMD)	Rs. 45000/-
3	Tender submission fee	Rs. 6800 /- + GST
4	Period of supply and installation	Within 90 days from the L/C opening date
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	30/10/2019, 5.00 pm
8	Date and time of opening of bid opening	01/11/2019, 11.00 am

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 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. Instrument should have a warrantee of **three years** and should have frequent visits from both service engineer and application scientist.
2. There should be at least one service engineer and one application scientist based in India with onsite training facility on the same quoted instrument. Training should include operation, software applications, analysis, handling and maintenance of system.
3. A good record in supply and service to other research institutes will be considered as a positive point for a particular company. User list of similar equipment supplied recently in India should be provided with the above mentioned specifications.
4. Laboratory floor space, electrical power requirements, earthing, room temperature/ humidity requirements etc. should be mentioned appropriately.
5. All necessary accessories should be supplied with the instrument, as per standard package offered, including complete set of service and operation manuals for diagnosis, trouble shooting, maintenance and electronic circuitry (soft copies).
6. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid.
7. The quoted price in the BOQ should be inclusive of all taxes/freight/installation charges

The bids will be opened at the date and time specified. Further details can be had from **The Coordinator, DST PURSE PII Project, School of Bio Sciences, M.G. University, Kottayam, Kerala Pin-686560** Phone: **0481-2731035** E-mail: **bio.sc.office@gmail.com** on all working days during working hours. 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



NIT FLASH CUM PREPARATIVE CHROMATOGRAPHY SYSTEM

SPECIFICATIONS

1. The system should have a flow range 1-250ml/min.
2. The system should have pump pressure 250 BAR or better
3. The system should have at least two gradient pump or more, corresponding solvent lines with air purge.
4. The system should have a UV Detector range 200-800nm, with options of multi wavelength, scan collection, spectral view and purity confirmation, on screen mid run gradient adjustment, hold and pause option.
5. The system should have integrated ELSD detector.
6. The system may be upgradable to MS detector in future.
7. More than four channels for Detection of sample.
8. RFID smart features.
9. Ten port mixing valve to run the multiple samples without changing the inlet lines.
10. The system should with stand the pressure of Flash columns ranging from 4grams to 1000grams or more
11. The system should be capable of using preparative columns of up to 5um particle size.
12. Normal phase and reverse phase solvent compatibility.
13. The system sample loading capacity should be ranging from 4mg to 100gram or better for flash columns in single run.
14. User control of fraction collection based on peak, mAu or threshold based on user guidelines.
15. The system should have an injection mode for both liquid and dry load.
16. The system should have integrated column holder to hold the flash columns and prep columns.
17. The system should have fraction collector with two different racks with different test tubes such as 16ml,18ml, 25ml,50ml etc.
18. The system should have safety features like,
 - a. Solvent tray with drainage system.
 - b. Collector with drainage system.
 - c. Fume Encloser.
 - d. Waste sensor

19.The Consumables like flash columns had to be supplied along with Instrument,

a.Silica column-40g,80g each-10nos.

b. C-18 Columns-40g,80g each-10nos.

c.Aq C-18 Columns-40g,80g each-10nos.

d.Hilic Column-40g,80g each-10nos.

20. Warranty of system must for 3 years.

Optional:

1. Additional 2 Yr Extended AMC or

2. Additional 2 Year warranty