



UNIVERSITY OF DELHI SOUTH CAMPUS
BioNest: Department of Microbiology
University of Delhi South Campus
New Delhi-110021
Tel. 011-24157380, Fax. 011-24115270

No: BioNest-UDSC/PI-2021-6

Date: 04.03.2021

Tender for "Gas Chromatograph with Dual Packed injection and one capillary port with Dual Flame Ionization Detector (FID) and accessories items" purchase through e-procurement portal

The quotations are invited under Two-bid system for one unit of "Gas Chromatograph with Dual Packed injection and one capillary port with Dual Flame Ionization Detector (FID) and accessories items". The quoted price should be FOR destination in INR (Indian Rupees only) upto Department of Microbiology, University of Delhi South Campus both supplying and installation included. The last date of bid submission is 25th March 2021 by 12:00 PM as per the tender specifications mentioned below

Sr. No	Name of the Equipment	Specification	Quantity
1	Gas Chromatograph	<p><u>GAS CHROMATOGRAPH with the following specification</u></p> <ul style="list-style-type: none">Fully Automated microprocessor-based Gas Chromatograph with following specification:Dual packed injection,one capillary injection port,Dual High Sensitivity Flame Ionization Detector (FID) with EPC/AFC/PPC DetectorAutomatic sampler for liquid injection of 12 or more vials.Large LCD display with ability to show real time method parameters <p><i>Suman Saha</i></p>	01

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	<ul style="list-style-type: none"> • Computer-controlled Data workstation with Digital and analog output. • Automatic ignition and re-ignition of FID flame through keyboard or software. • Licensed software with serial number should be supplied with 21 CFR compliance • Instrument should be supplied with On-site validation i.e. IQ & OQ at the time of installation 	
	<p><u>COLUMN OVEN:</u></p> <ul style="list-style-type: none"> ▪ Capacity – 12.5 liters or above ▪ Temperature Range – (Ambient + 10°C) to 400°C or above ▪ Cooling Speed – 300°C to 50°C in less than 6.0 minutes or lower ▪ Temp. Programming steps – 09 Program Steps or more 	
	<p><u>DUAL PACKED AND CAPILLARY INJECTION PORT:</u></p> <ul style="list-style-type: none"> • Capillary Injection Port with built-in EPC/AFC/PPC Flow Controller. • Suitable for all capillary columns • Pressure range from 0 to 140 psi or more • Split Ratio Setting: 1 : 6000 and above • Temp. Range: Up to 400°C 	
	<p><u>DETECTOR:</u></p> <p>DUAL FLAME IONIZATION DETECTOR (FID) with EPC/AFC/PPC</p> <ul style="list-style-type: none"> ▪ Temperature range : up to 400°C ▪ Detection limit: 3.0 pgC/s or less ▪ Dynamic range: 10⁷ 	
	<p><u>AUTO-SAMPLER:</u></p> <ul style="list-style-type: none"> ▪ Capacity: 12 vials or more ▪ Vials capacity: 1.5 ml ▪ Supply of Vials set :- 200 Nos. 	

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UTILITIES: Following items to be supplied along with the main system:

- Consumables including Ferrules, Septa, Liners, O-Rings, Nuts. (02 complete sets having multiple numbers of items)
- 10 µl Microliter Syringe (Two)
- Branded PC (Either Dell, HP, or Acer) with windows 10, core i5 10th generation processor, antivirus, 22 inch monitor, 1 TB HDD, 8 GB RAM : As per tender specifications
- 5KVA On-line UPS (either APC, Amaron or ABP) with 30 minutes back-up or more (batteries should be either Amaron or exide) (One)
- Capillary Column (30m): RTX5/DB5 or Equivalent (One)
- Packed column: PORA Pack/Molecular Sieve or Equivalent (One)

Software (Stand-alone operation): Authentic licensed software from original manufacture with dedicated serial number. The supplied software should operate the instrument through a computer with complete 21 CFR compliance (One unit)

WARRANTY: 2 years comprehensive warranty from the date of installation or more.

Note: Nothing is optional in this tender, So quote your FOR price in INR in BOQ, (Gas Chromatograph and all other accessories)

Important: For technical compliance, read the complete tend document very carefully before bidding.

1. Nothing is optional in this tender, so quote the final price, including all the above requirements **FOR destination price in Indian Rupee must be quoted.** Quotations are invited under two-bid system
2. Should carry Certification of US or European standard for the quoted equipment. Documentary proof to be submitted.
3. The vendor should have at least 10 years of track record of supply of **GAS CHROMATOGRAPH.** Documentary proof to be submitted.

Suresh Zaha
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4. The vendor/manufacturer should enclose user list with the address of atleast 75 users of the same model/Configurations of **GAS CHROMATOGRAPH** or higher installed throughout India in various reputed Govt. Institutes/Academic institutes/Universities/ICAR/CSIR/ICMR/IITs other research labs in government-funded institutions.
5. **Note: Documentary proof of at least 20 users in terms of purchase orders and installation reports for same or higher model required, with phone no and complete address of buyer.**
6. The vendor should submit an authorized distributor certificate issued by the original manufacturer for the quoted item. Manufacturer or vendor must have post sale service provider in Delhi in case of any technical or function issue with machine.
7. Vendor should also enclose the original literature/catalogue/company brochure and fill out a **compliance sheet, with the relevant page number** and line number of the brochure mentioned against each point of the technical specifications given above. The quoted specifications/features should be available on the company website (**Please provide the original manufacturer website showing the requested technical specification**).
8. The machine should be under **2 Years "Comprehensive warranty"** from the date of installation.

Important Information:

1. Bidder should be Manufacturer/ Authorized Partner/ Reseller of the manufacturer and a Letter of Authorization from the manufacturer for the same and specific to the tender should also be enclosed. The bidder should also be the Authorized Service Provider. (attach the required certificate)
2. All vendors are requested to attach original technical literature/ catalogue in support of the mentioned specifications & highlight the above features. The same features should be available on the company website (**Please provide the original manufacturer website showing the specification**).
3. Please note: **IGST/CGST+SGST@5%** would be applicable for supply to University of Delhi South Campus under Custom notification of 47/2017. DSIR Certificate/CDEC would be provided on request.
4. The quotations should be addressed to **Prof. Swati Saha**, BioNest, Department of Microbiology, University of Delhi South Campus, Benito Juarez Road; New Delhi-110021, and should be **uploaded on the e-procurement portal, latest by 25th March 2021 by 12:00 PM**
5. Quotations have to be submitted in a **two-bid system**. The first part, **Technical bid**, should consist of all technical details and supporting documents with terms and conditions. A **Compliance Sheet must be filled by the vendor** against each point and giving reference of the same (page number, line number) in the supporting company brochure/document.
6. The second part, **Financial bid**, should contain item-wise pricing of items mentioned in the technical bid.

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7. The bidder will have to quote all the required items together; partial quotes will not be accepted. For each item, make and model, have to be mentioned clearly. (Nothing is optional)
8. The quote should be valid for 90 days from the due date.
9. Payment will be made by wire transfer or through an online system as per University rules after the installation of the instrument.

Commitment to Accept Lowest or Any Tender

- Demonstration of the equipment with all accessories (mentioned in tender document) will be required on the recommendation of the Purchase Committee at Department of Microbiology, University of Delhi South Campus, New Delhi-110021.
- The University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. The University of Delhi will not be obliged to meet and have discussions with any vendor and or to listen to any representations.

Swati Saha
4/3/21
Swati Saha

Prof. Swati Saha
PI, BioNest, Department of Microbiology

Date: 04-03-2020

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