Request for Quote (RFQ) from Global manufacturers or its authorized Indian distributor for procurement of Gas Chromatography with Mass Spectrometry (MS) system

Summary:

Tender Number	OC/VP/2024/GC
Tender Date	22 February 2024
Item Description	Gas Chromatography with Mass Spectrometry (MS) system
Tender Type	Two bid system: (a) Technical Bid (Part A) (b) Commercial Bid (Part B)
Place of Tender Submission	Department Office, Room No. A109 Department of Organic Chemistry Indian Institute of Science Bangalore 560012
Last Date & Time for Submission of Tender	15 March 2024, 5:00 pm

To whom it may concern

This is a Request for quote (RFQ) from Global manufacturers or its authorized Indian distributor for procurement of **Gas Chromatography with Mass Spectrometry (MS) system** at the Department of Organic Chemistry (OC), Indian Institute of Science, Bangalore.

All interested vendors shall submit a response demonstrating their capabilities to produce the requested equipment to the primary point of contact listed below.

The deadline for submission of proposals is 15 March 2024 by 5:00 pm. Proposals should arrive at the Department Office, Room No. A109, Department of Organic Chemistry, Indian Institute of Science, Bangalore, Karnataka 560012, India.

Direct all questions concerning the acquisition to **Dr. Vignesh Palani** by email only at: vpalani@iisc.ac.in

General Terms and Conditions

1. Quote should come only from the Original Global Equipment Manufacturer (OEM) or their authorized Indian distributor.

2. The bid should be submitted in the two-cover system, i.e., technical bid and commercial bid separately in sealed covers. The technical bid should contain all commercial terms and conditions, except the price.

3. The technical bid must contain a point-by-point technical compliance document. The technical proposal should contain a compliance table that should describe your compliance in a "yes" or "no" response against each of the items in the table listed in this RFQ. If the response is "no", the second column should state the extent of deviation. The third column should state the reason for the deviation, if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirement table below.

4. The commercial bid must include the price of the instrument (CIF, Bangalore, applicable Custom Duty will be borne by the Institute) and all components including controller accessories indicating component-wise and itemized breakup.

5. Price of every line item in the commercial bid should be quoted along with the total quoted price for the instrument to be operational (installed and ready to use) in our facility. Please quote the price of each optional line item separately.

6. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).

7. The lead time for the delivery of the equipment should not be more than 3 months from the date of receipt of our purchase order. It should be clearly mentioned in the technical and commercial bids.

8. All the quotations must be valid for at least 90 days at the time of submission.

9. List of customers and references: The Bidder should have supplied similar equipment in Central Universities preferably in centrally Funded Technical Institutes (IITs, IISc, IISERs, NITs). Please provide the details and contact information.

10. The Bidder must NOT be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect should be provided.

11. Items in addition to that listed in the technical table that you would like to bring to our attention, such as data sheets, technical plots etc. can be listed at the end of the compliance table.

12. Vendors are encouraged to highlight the advantage of their tools over comparable tools from the competitors.

13. If needed, a meeting for any technical clarifications can be scheduled with the undersigned by sending an email.

14. The Institute reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids, at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.

15. After the award of purchase order, the vendor must provide an Order Acknowledgement within 30 days from the receipt of the Purchase Order.

16. The vendor should have a good track record of having previously supplied a minimum of 5 GCs in IISc Bangalore and a minimum of 50 GCs in Karnataka region and should be able to provide End User Certificates from at least five users.

17. If the goods are found to be defective, they have to be replaced or rectified at the cost of the supplier within 30 days from the date of receipt of written communication from us.

Service, Training, and Warranty

1. The vendor must have local dedicated Sales & Service team & Application lab in Karnataka.

2. The vendor must demonstrate that it has a proven appropriate set-up and capability to provide after-sales service efficiently and effectively. The supplier should have a similar system in their facility to that proposed in this tender for training purposes.

3. On-site installation, commissioning, and training shall be conducted by a qualified factory-trained engineer.

4. Support should be available from Monday to Friday, 8:30 am to 5:30 pm (excluding Public Holidays), local time.

5. A declaration of Conformity certificate and System Validation certificate must be provided. All modules must be GLP compliant.

6. Warranty terms and additional warranty options are must for all the components. Please specify the service plan, like whether the local distributor will address the issue or the parent company. Minimum three years of complete system warranty should be given. If the system

requires service during the warranty period, the vendor must guarantee or replace of instrument for free. Vendor to have logistic support to ensure that over at least 95% of the service parts are readily available and upkeep delivery within 24 hours.

7. Terms and conditions for the annual maintenance contract beyond the warranty period should be mentioned.

8. If there is any delay in replacement or rectification, the warranty period should be extended accordingly.

Technical requirements: Please note that the requirements listed below are only guidelines. Vendors are requested to quote for equipment that meet the criteria to the best extent possible and list deviations, if any. Deviations are NOT an automatic reason for disqualification. They will be discussed by a technical group prior to making an informed decision.

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GC-MS Technical Specifications

Technical Specifications:

Gas Chromatography-Mass Spectrometry (GC-MS) system:

S.No.	Item	Description
1	Gas Chromatograph	• Column Oven can accommodate two columns with maximum temperature range up to 400 degree C with set point resolution of 0.1 degree C. • It should support 15 ramps & maximum temperature ramp rate of 100 degree C/min. • Cool down of Oven from 400 degree to 50 degree in less than 8 minutes. • Auto retention time adjustment feature. • Touch screen display.
2	Inlets	• Split Split Less Injector for split, split less with fully – 1no. • EPC and pressure range upto 100 p.s.i. • Maximum temperature should be 400-degree C.
3	Auto Sampler/Injector	• Auto sample injection device which is capable of self-dilution. • Software controlled sampler. • 2 ml vial volume for liquid injection. • Vial capacity for both should be 8 nos or more.
4	Mass Spectrometer	• Electron Ionization (EI) source with maximum temperature of 300 degree C or better. • Dual Filament design. • Electron energy up to 150 eV or more. • Mass Analyzer: Quadruple. • Mass range: 2 to 1,050 m/z • Scan rate of 10000 amu/sec or more. • Sensitivity: 200:1 S/N of injecting 1 pg/µL OFN for Standard scanning from 50 to 300 u at nominal 272.0 u ion. • Vacuum pump : Turbo molecular pump with capacity of 250L/sec or more.
5	Software	• Original software with license to control GCMS • NIST library with license version with part number.
6	Accessories	• Compatible branded PC & Printer should directly come from the factory with instrument. Intel core i5 or better, 11th generation processor or better to be provided to run the software and have enough storage space. • One black and white laser jet printer with duplex facility should be included.

7	Consumables	• Screw cap vial – 500 nos. • HP-5MS 30m X 0.25 mm X 250 µm film thickness – 1 nos • CP-Sil 8 CB for Amines 30m x.32mm x1.0um- 1 nos or equivelent • Ferrule, 0.4mm VG cond 0.25 col – 60 nos • Septa Non-Stick BTO Inlet 11mm 100 nos • Liner, UI, split, straight, Glass Wool, 5 nos • Liner, UI, spltls, sngl tpr, no wool, 5 nos • EI Filament – 2 nos • GCMS Tool Kit and cleaning 1 no • Vacuum oil – 2 L
8	Warranty	• 3 Year warranty on complete instrument.
9	Installation and Training	• Installation should be done by factory trained engineer, followed by operational training by an experienced application specialist for at least 2 days or until completion of training as per the satisfaction of the user. • All the quoted specifications must be experimentally proved during installation and training.
10	Training	• Onsite demonstration and training for the faculty/scientists to be provided periodically for handling of the system and its application
11	Local Accessories:	• Required Helium gas cylinder, connections, moisture traps, lining, gas panels and other required accessories should be scope of supply along with the instrument.

Other requirements

- The payment terms should be mentioned in the commercial proposal, which should be consistent with IISc'sdomestic purchase policies.
- A set of basic experiments for performing routine checks of acceptable operation with clear instructions tobe provided. A standard sample to estimate column efficiency should be included.
- Please provide details of the number of trained personnel in Bangalore who can service the instrument.
- The vendor should attach product brochures along with the technical bid.
- Vendor should supplied & installed 10 GCMS instrument installations in Karnataka Government organizations in past 5 years. Vendor should share installation list with contact details.
- Vendor should have service support and application support team in Bangalore.

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