

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A & 2B, Raja S.C. Mullick Road
Jadavpur, Kolkata - 700032

Tender Notice No.: IC/AD/MNRE/14/17 dated 09.04.2014

Sub: GCMS System

Indian Association for the Cultivation of Science invites Tenders for Purchase of '**GCMS System**'. The bids are to be submitted in Two-Bid pattern i.e. Technical Bid and Price Bid in two separate sealed covers distinctly marked accordingly and both to be put inside another envelope, which should be sealed and super scribed with tender reference no., due date and time of opening. Two bids, i.e. Technical Bid and Price Bid, should be identical in all respect except that the Technical Bid should have blank space at the places where prices have been stated in the Price Bid.

Complete tender should reach the Office of the Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, 2A & 2B, Raja S. C. Mullick Road, Jadavpur, Kolkata-700032, India on or before scheduled date & time specified below.

Tender Notice Number	IC/AD/MNRE/14/17 dated 09.04.2014
Last date and time of submitting tender	2 nd May, 2014 at 12.30 P.M.
Pre bid meeting to discuss technical specifications	22 nd April, 2014 at 3.00 P.M.
Date and time of opening tender	2 nd May, 2014 at 3:30 P.M.
Place of Opening Tender	2 nd floor, ERU building, IACS
Contact	icad@iacs.res.in, +91-33- 2473 4971 (extns: 1366)

The technical bids will be opened first to evaluate technical specifications of the equipment and thereafter the price bids of the technically qualified companies only shall be opened only. The bidders shall submit bids duly signed in their respective company's letterheads. Any vendor interested to be present in the pre bid meeting should notify the contact by email at least two days before the pre bid meeting.

Technical Bid Evaluation: The Technical Bids will be evaluated on 2nd May, 2014 at 3:00 pm in the office of Dr. Abhishek Dey, ERU building, I.A.C.S., Kolkata in the presence of the representatives of intending bidders who will be able to clarify technical aspects of their bids, if any, required by the Technical Evaluation Team.

TECHNICAL SPECIFICATION

A GC/MS system with data system, operating software, and laser printer is required. Both the GC and the MS component must be manufactured by the same company and have USA or Germany or United Kingdom or France or Switzerland or Italy as the country of origin. System should be capable of supporting two or more inlets and two or more detector ports simultaneously, should have electronic pneumatic / pressure controls for all the gases and should have Chromatography Data system which is based on Microsoft Windows operating system for instrument control, data acquisition, data analysis, quantization, automation & customization with online and offline sessions provided. The GC must be equipped with a split/splitless injector, electronic pneumatic control, a gas sampling valve for gaseous samples, Thermal conductivity detector and mass spectrometer.

The GC must operate with an oven temperature between 4C above ambient to 450C with a maximum oven temperature ramp rate of 100C/min. System should have 10 or more temperature programming ramps in a single GC method. GC should have at least 6 independent heated zones.

The inlet should have capability of split ratio of 6000:1 or better, max temp of 400 C or better and pressure range from 0 to 100 psi or better. It should be capable of accommodating all types of GC columns from 0.1 mm to 0.53mm ID. Retention time and area repeatability should be <0.008% and <1% RSD, respectively, or better.

Thermal conductivity detector should have a linear dynamic range of $>10^5$ or better. Maximum operating temperature should be 400 deg C. and an MDL of 400 pg or lower Tridecane or Butane /mL with He carrier.

Mass Spectrometer should be a linear quadrupole or Time Of Flight mass analyzer with mass range of 5 to 1000 or better. An electron ionization source should be provided which should be heated up to 250 degC or better. It should have two filaments with auto switchover in case of failure. The mass axis stability should be better than 0.1 amu/48 hours. The source should be inert to active compounds. Mass Analyzer fitted with pre —filter /pre — rod or other better techniques for better sensitivity with high ion transmission efficiency, eliminates neutral noise. Scan speed up to 10000Da/sec or 30000 Spectra/Sec or better. The Analyzer must be independently heated to keep the analyzer clean. The instrument detection limit should be 100fg OFN standard solution at nominal 272 u ion. Latest NIST library should be supplied with the system.

PRICE BID:

The financial bid indicating (item-wise) price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly super scribed as "PRICE BID" on the outer cover of the envelope as already detailed above. The price bids of only technically qualified bidders will be opened and they will be intimated the date and time of opening of price bids at their email id-(s). Rest of the bids will stand rejected.

PRICE: Price to be quoted on CIF to Kolkata Airport.

BID SECURITY:

1. EMD to be paid by the Indian Agent in INR. An Account Payee Demand Draft of Rs.1,00,000/- (Rupees One Lakh only) drawn in favor of "Indian Association for the Cultivation of Science" is to be furnished along with Technical Bid as Bid Security money (or EMD). Bidders registered with the Central Purchase Organizations, National Small Industries Corporation etc. may be exempted from paying EMD subject to their submission of a copy of valid registration certificate with their Technical Bids, failing which their bids will be rejected.
2. The Demand Draft for the Bid-Security money should have at least 45 (forty five) days validity period after the opening of the Bids.
3. In case of non-award of the work, the Bid Security money would be returned to the bidders.

PERFORMANCE SECURITY:

1. An Account Payee Demand draft of an amount of 10% of the order value in the name of "Indian Association for the Cultivation of Science" is to be furnished by the successful bidder to be awarded the contract, as "Performance Security" money in INR.
2. Performance Security should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.
3. Bid Security would be refunded to the successful bidders on receipt of Performance Security.

GENERAL INSTRUCTIONS:

1. Vendor Eligibility: The bids must be submitted by OEMs or OEM supported single vendors only with original authorization certificates from the OEMs. Vendors should have proven experience in setting up such systems in India. A brief proof for such experience (copies of orders/installation certificate) should be included in the technical bid. Part Quotation by a vendor is not admissible as future warranty and maintenance are difficult in the cases of fragment purchases. The OEM/OEM supported vendor should have their own service centre in Kolkata. The response time should not be more than 24 hours/next working day.

2. Submitting Tender: The Tender must contain materials related to these specifications and should not contain materials that can overtly or covertly try to canvass for the vendor. The vendors are allowed to deviate from the specifications given below only when such deviations are demonstrated to be technically superior. Additional features in the quoted items which are better than those in the indent – may be highlighted. The technical bid should not have any mention of pricing. The commercial bid should have the pricing for each option separately. Prices should be inclusive of all charges (taxes/duties as applicable, shipping charges, delivery at site, installation etc.) with clearly indicated breakups. Fax, e-mail Tender will not be accepted.
3. Installation and Commissioning: Free of cost at IACS, Kolkata. The vendors are required to give an estimate of the time required for installation and hand-holding/training of the principal users in the technical bid.
4. Post-sales service: The vendor must submit the names of the service engineers employed by them who are competent to serve the GCMS along with their contact details in India. At least ten installations of the same or similar systems in Eastern India will be preferred.
5. Tender updates: Prospective bidders may please refer to our website <http://www.iacs.res.in>, occasionally for any update on the tender which may appear from time to time.
6. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
7. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the Institute website. Prospective bidders are advised to occasionally visit the website (www.iacs.res.in/tender) for any amendment.
8. Payment: Advance payment will be made to foreign vendors subject to submission of performance guarantee by their Indian agents.
9. Warranty: Minimum 2 years with 1 year AMC (after completion of warranty) along with original manufacture date declaration by the original manufacturer of the specific instrument.
10. Installation/Demonstration/Application Training at site: Free of cost by the supplier.
11. Validity of tender: Tender submitted shall remain valid at least for three months from the date of opening of the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent.
12. The tender should accompany a compliance chart.

13. The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.
14. The model number, make, and a printed literature of the product shall be submitted positively.
15. Proposed delivery schedule should be mentioned clearly.
16. Manufacturers/exclusive distributors/vendors should have history of supplying similar type of instruments to this or other Scientific Organization(s).
17. Authorized Dealership Certificate is a must in case of principal manufacturing company is not quoting directly.
18. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
19. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of technical bids will be the following working day at the appointed time.
20. In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.
21. For any clarification regarding technical specifications etc. please send your queries to Dr. Abhishek Dey, icad@iacs.res.in
22. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar