

**COST OF TENDER- RS. 500/- ONLY**



**TENDER DOCUMENT**

**OF**

**GAS CHROMATOGRAPHY**

**at**

**KIRORI MAL COLLEGE,**

**UNIVERSITY OF DELHI**

**DELHI – 110007**

**Tender no. -/KMC/1/Admin/GC-Tender /2016**

Tender document sold to:

M/s. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I accept the above conditions  
(Seal and Signature of Contractor)



**KIRORI MAL COLLEGE**  
**University of Delhi, North Campus**  
**Delhi – 110007**

**Request for proposal (RFP) For GAS CHROMATOGRAPHY**

Sealed tenders in two bid system i.e. Technical Bid & Financial Bid are invited to purchase GAS CHROMATOGRAPHY in Kirori Mal College (KMC), University of Delhi, Delhi – 110007.

Kirori Mal College is a premier institute of the country for education at undergraduate and postgraduate levels. At present, approximately 5500 students are studying and about 400 teaching, non-teaching staff are working in the college.

**Eligibility criteria for submission of bid/proposal**

A reputed contractor/company having experience of selling GAS CHROMATOGRAPHY in government departments/PSUs/academic institutions/private organisations is eligible to submit bid in response to this notice.

Institute invites Sealed tenders in “Two parts” i.e. (Technical and Price Bid). The Tender Document can be viewed and downloaded from our website [www.kmcollege.ac.in](http://www.kmcollege.ac.in). The bids shall have to be submitted duly filled and signed at Kirori Mal College. The Bidders who have downloaded the document from website should attach, along with the bid document, a Demand Draft of Rs. 500/- (Non-Refundable) in favour of "Principal, Kirori Mal College" payable at Delhi. All the bidders should also enclose a demand draft of Rs. 30000/- (Rupees Ten Thousand Only) drawn in favour of "Principal, Kirori Mal College" payable at Delhi, as the Earnest Money Deposit (EMD) along with Technical Bid. EMD of tendering parties, whose tenders are not accepted shall be refunded (without interest) within 30 days of opening of tenders.

The offers should be submitted in two sealed envelopes one superscribed with “Technical Bid” and other with “Price Bid”. Both envelopes shall be put in another sealed envelope superscribing the envelope with “Tender for GAS CHROMATOGRAPHY”. The last date of submission of bid is **06/02/2017** on or before **05.00 pm**. The Technical bid shall be opened on **13/02/2017** at **10.30 am**.

The Bids shall be evaluated on two stage evaluation process. After evaluating the Technical Bids the eligible bidders shall be shortlisted for second stage Price Bids evaluation. The Price bids of only qualified tenderers after technical evaluation shall be opened subsequently at a notified date.

## **How to apply**

Sealed tenders along with the following required documents in two bid system i.e. Technical & Financial Bids, as per Annexure-A&B, respectively in separate sealed covers superscribed with 'Request for Proposals (RFP) for GAS CHROMATOGRAPHY' on top of the covering envelope are to be submitted to the Principal, Kirori Mal College, University of Delhi, Delhi – 110007 latest by on or before **05.00 pm** on **06/02/2017**.

1. Certificates with respect to registration of the firm/organisation under the relevant law.
2. Valid Sales Tax/VAT Registration certificate.
3. Documents in support of selling GAS CHROMATOGRAPHY Govt. Departments/Ministries, PSUs/academic institutions/private institutions of repute during the last 3 years (enclose purchase order).
4. Earnest Money Deposit (EMD) as detailed in terms and conditions of the tender notice.
5. Details with respect to PAN/TIN of the bidder.
6. Undertaking (as per prescribed proforma in Annexure-C)

**PRINCIPAL**

## **Terms and Conditions governing the contract for GAS CHROMATOGRAPHY**

1. Bids can also be submitted in the prescribed formats for the Technical and Financial Bids.
2. Bids not accompanied with the Earnest Money Deposit (EMD) and/ or required documents will be summarily rejected.
3. The items and rate list must not be altered by the bidder .Any modification /alterations of items and /or rates should be specifically stated in a covering letter.
4. Technical and financial bids should be properly signed by the Proprietor / Partner or an authorized official/representative of the bidder firm and his /her capacity as the signatory should be specifically stated. Bids should also bear stamp of the bidding organization/Firm.
5. Bids can also be submitted as per the schedule announced. Bids received after the last date of submission will be summarily rejected.
6. An Earnest Money Deposit (EMD) of Rs.30,000/- is required to be deposited vide Demand Draft/Pay Order Drawn in favour of the Principal , Kirori Mal College payable at Delhi along with technical bid.

7. Bids will remain valid for a period of 3 months from the last date of submission of tender. Rates stated and approved by the college will remain valid for the entire period of contract.
8. The college reserves the right to accept or reject any or all of the bids either fully or partially without assigning any reasons thereof.
9. The college will not be bound to accept the lowest charges offered since due weightage has to be given to several technical factors besides the financial bid.
10. The successful bidder will be required to deposit a sum of Rs.1,00,000/- (Rupees one lakh only) towards refundable performance Security deposits in the form of Demand Draft/pay Order drawn in favour of the Principal, Kirori Mal College payable at Delhi. No interest shall accrue on the refundable performance security deposits and the same will be refunded on successful completion of the contract after adjustments of dues, if any.
11. The successful bidder will be required to execute an agreement on a non-judicial stamp paper of prescribed value on the award of the contract.
12. The contractor will be required to ensure that service for GAS CHROMATOGRAPHY.
13. The contractor will be solely and exclusive responsible to adhere to meet all statutory
14. The bidder will be deemed to have read and accepted all terms and conditions for award in entirety.
15. KMC reserves the right to change any terms and conditions for GC as and when circumstances so warrant.
16. All necessary documentation and certificates of experiences etc. will have to be annexed to the bid.
17. All disputes shall be subject to Delhi Jurisdiction only.

The technical offer should not contain any price information. The Technical Bid must be submitted in an organized and structured manner. No brochures/leaflets etc. should be submitted in loose form. Please indicate page nos. on your quotation e.g. If the quotation is containing 25 Pages, please indicate as 1/25, 2/25, 3/25 -----25/25. The Technical Offer should comprise of the following: (i) The technical bid should contain commercial terms with reference to the tender. The technical offer should be complete to indicate that all products and services asked for are quoted. Each page of the bid and cutting/corrections shall be duly signed and stamped by the BIDDER. Unsigned Tenders will also be rejected. Failure to comply with this requirement may result in the bid being rejected. Undertaking that the successful BIDDER agrees to give a security deposit amounting to 10% of the purchase order value by way of Demand Draft in favour of The Principal, Kirori Mal College. Duly filled in

technical bid with proper seal and signature of authorized person on each page of the bid should be submitted and the same should accompany with complete specifications, Manufacturer's name, address and relevant Technical Literature/Brochures with warranty Terms and EMD. If the bid is for branded makes, authorization letter from principals clearly indicating that the vendor is the competent authority to sell and provide services towards the items mentioned in the scope of supply given in this tender document. In case of foreign quote, the address of Principal's/Manufacturer's and their Banker's details should be furnished. The item should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem.

Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected/supported by the printed technical leaflet/literature. Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party

#### **Pre-installation:**

The BIDDER has to state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in Kirori Mal College, Delhi shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words the BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

#### **Installation**

BIDDER shall be responsible for installation/demonstration wherever applicable and for after sales service during the warranty and thereafter. Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.

## **Training**

Wherever needed, Our Scientist/Technical persons should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

## **Guarantee/Warranty**

Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, octroi, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item. The warranty on the associated software should cover providing of upgraded version/s, if any, released during the warranty period free of cost. The BIDDER shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on payment on approved price list basis. The equipment must be supported by a Service Centre in India manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contract the Principal's vendor support Centre on a toll free number/web/mail. An undertaking from the manufacturer is required in this regard stating that they would facilitate the BIDDER on regular basis with technology / product updates & extend support for the warranty as well. The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc. The principal vendor must have a local logistics support by maintaining a local spares depot in the country of deployment of the equipment. This is to ensure immediate delivery of spares parts from Principal Vendor of equipment to its channel partner/system integrator. Details of onsite warranty, agency who shall maintain during warranty and undertake Annual Maintenance Contract/Comprehensive Service Maintenance Contract beyond warranty shall be given in the offer. In case of foreign quote, the Indian Agent who shall maintain during warranty and AMC beyond warranty shall be given in the Technical Offer.

## **Annual Maintenance Contract**

The party must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period. This is mandatory to

mention, wherever applicable. No sub-contracting will be allowed for installation or maintaining system/ equipment / instrument during or after warranty period.

### **Indemnity**

The vendor shall indemnify, protect and save Kirori Mal College, Delhi against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipments supplied by him.

### **Payment**

For Indigenous items, 90% payment shall be made against delivery, installation, commissioning and on acceptance as per Purchase Order at site and balance 10% shall be made after receipt of performance Bank Guarantee for 10% of the total order value, to be valid for till warranty period from date of installation and acceptance. If no Bank Guarantee is given, the balance 10% will be paid after assessing, after sales service during warranty period i.e. payment after warranty period and no interest should be paid on the same amount.

### **Penalty for delayed Services / LD**

As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the KMC will forfeit EMD/SD and also LD clause will be applicable /enforced. If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier. KMC reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any, will be deducted from the Security Deposit.

### **Jurisdiction**

The disputes, legal matters, court matters, if any, shall be subject to Delhi Jurisdiction only.

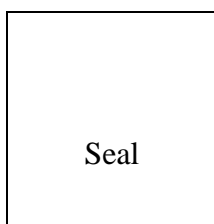
## REQUEST FOR PROPOSAL (RFP) FOR GAS CHROMATOGRAPHY

## TEACHING BID

(To be kept separated sealed cover superscribing 'Technical Bid' on the top)

S.No.	Description	Particulars
1	Name of the bidder firm/company	
2	Address	
3	Name of the authorized representative	
4	Designation/Capacity(Proprietor/Director/Official)	
5	Contact Number	
6	Email	
7	Details of EMD paid (DD no..Date/Drawee Bank)	
8	Certificate of Registration of firms	
9	Details of PAN/TIN/VAT Regn.	
11	Details of organization served/presently being served(P.O. to be attached)	

Date:\_\_\_\_\_
   
 Place:\_\_\_\_\_
   
 Signature of the Bidder\_\_\_\_\_
   
 Name\_\_\_\_\_
   
 Designation\_\_\_\_\_
   
 Address\_\_\_\_\_
   
 \_\_\_\_\_





## REQUEST FOR PROPOSAL (RFP) FOR GAS CHROMATOGRAPHY

## FINANCIAL BID

(To be kept separated sealed cover superscribing 'Financial Bid' on the top)

S.No	Description	Particulars
1	Name of the bidder firm/company	
2	Address	
3	Name of the authorized representative	
4	Designation/Capacity(Proprietor/Director/Official)	
5	Permanent Income Tax Account (PAN No.)	
6	Contact Number	
7	Email	
8	Bid amount	

Date:\_\_\_\_\_

Place:\_\_\_\_\_

Seal

Signature of the Bidder\_\_\_\_\_

Name\_\_\_\_\_

Designation\_\_\_\_\_

Address\_\_\_\_\_

\_\_\_\_\_

## UNDERTAKING

The Principal  
KIrori Mal College  
University Of Delhi  
Delhi-110007

Sir,

I/We the undersigned certify that I/We have gone through the terms and conditions mentioned in the tender documents and hereby undertake to agree and comply with them in entirety.

I/We understand that in case of breach of any of the terms and conditions committed on our part, the contract for GC will be liable to be terminated.

Date:_____	<div style="border: 1px solid black; padding: 5px; display: inline-block;">Seal</div>	Signature of the Bidder_____
Place:_____		Name_____
		Designation_____
		Address_____ _____

**Broad specification of the GC as here under:**

Tender is invited for Gas Chromatograph for an analysis of gas sample having Oxygen, Nitrogen, Carbon Dioxide, Hydrogen, Carbon Monoxide, Methane and Ethane. Injection should be done through gas sampling valve and there should be provision for injection of liquid sample also. The instrument should be software controlled and vendor should provide complete package of instrument and licensed software.

S. No.	Technical parameter	Specification
Microprocessor based Gas Chromatograph with large display & touch screen and simultaneous operation of three Injection Ports & three Detectors and total automative		
1	Display	Large LCD display with all parameters at a glance
2	Maximum number of injector	3
3	Maximum number of detector	3
<b>Oven</b>		
4	Usable volume	14 L
5	Temperature operating range	4 °C above ambient to 450 °C -80 °C to 450 °C (with LN <sub>2</sub> Cooling option) -55 °C to 450 °C (with LCO <sub>2</sub> Cooling option)
6	Temperature programming	22 ramps / 23 plateaus
7	Maximum heating rate	At least 90 °C / min
8	Temperature program method	At least 18
9	Temperature stability	0.01 °C (isothermal), 0.1 °C (Gradient)
10	Temperature setpoint	1 °C
<b>Split / Splitless Capillary Injector</b>		
11	Maximum temperature	400 °C
12	Temperature setpoint	1 °C
13	Temperature stability	0.1 °C
14	Total flow setting	0.1 to 400 ml/min for N <sub>2</sub> 0.1 to 1000 ml/min for He
15	Flow stability	< 0.05 ml/min
16	Pressure setting range	0.01 to 100 psi
17	Pressure stability	< 0.05 psi
18	Splitless time setpoint	0.01 min and above
<b>Flame Ionization Detector</b>		
19	Maximum temperature	450 °C
20	MDL	1.7 pg Carbon/sec
21	Linearity	10 <sup>7</sup>
<b>Thermal Conductivity Detector</b>		
22	Maximum temperature	400 °C
23	MDL	2.5 ng/ml
24	Warranty	2
24	Library to identify	
<ul style="list-style-type: none"> <li>Vendor should quote methanizer or catalytic converter of CO<sub>2</sub> and CO into CH<sub>4</sub> as an option, with manuals including technical drawings. Basic training to 2 person in company application support laboratory must be provided free of cost.</li> </ul>		