

Telephone : 91-532-227+1056, 1057
 Fax : 0532-2545341, 2545822
 GRAM : MNNIT
 Website : http://www.mnnit.ac.in
 Email : purchasemnnit@gmail.com,
 fip@mnnit.ac.in



एन.एन.आई.टी. अलहाबाद
 इलाहाबाद-211004 (भारत)

इलाहाबाद-211004 (भारत)

Motilal Nehru National Institute of Technology Allahabad
 Allahabad-211004 (India)

An Institute of National Importance as Declared by NIT Act, GOI, 2007

INVITATION FOR SUPPLY OF GAS CHROMATOGRAPH WITH FID AND TCD

(For Contracts value estimated to cost less than Rs.25 lakhs)

1	Closing Date/Time for submission of Quotations	10/07/2015; 16:00 Hrs.
2	Opening Date/Time of Quotations	10/07/2015; 16:30 Hrs.
3	Quotations to be submitted at	The Office of Faculty-In-charge (Purchase) M.N.N.I.T. Allahabad, Allahabad-211 004 (U.P.)
4	Place of opening of quotations	The Office of Faculty-In-charge (Purchase) M.N.N.I.T. Allahabad, Allahabad-211 004 (U.P.)
5	Tender Fee	Rs. 200.00 (Non-refundable), in form of a Demand Draft drawn in favor of DIRECTOR, MNNIT Allahabad.
6	Earnest Money Deposit (EMD)	Rs. 33,000/- (Rs. Thirty Three Thousand only) , in form of FDR/Bank guarantee, from any of the Commercial Banks, drawn in favour of "Director, MNNIT Allahabad" payable at Allahabad, and valid for a period of 45 days beyond the final bid validity period

To,

You are invited to submit your most competitive quotation for the following items. The quotation should be sent directly to the undersigned under Sealed Cover marked "Quotation Reference No., Date", and "The Due Date:

SI. No.	Description of item with Specification	Quantity
1.	GAS CHROMATOGRAPH WITH FID AND TCD (Detailed specifications attached at Annexure-B)	01 No.

The sealed tenders must be submitted in the Office of the Faculty In-charge (Purchase), on or before **due date & time as mentioned above** in the office of the undersigned, in the presence of bidder's authorized representatives, who choose to attend and shall sign a register evidencing their attendance.

The tender/quotations NOT submitted in the prescribed format or Incomplete in any respect will be outrightly rejected.

Faculty in-Charge, Purchase
 MNNIT Allahabad

GENERAL TERMS & CONDITION (GCC)

1. **Bid Price:**
 - (a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
 - (b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
 - (c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - (d) The prices should be quoted in Indian Rupees only for indigenous items. For items/imported items, the prices should be quoted in foreign currency.
 - (e) Each bidder shall submit only one quotation.
2. **Validity of Quotation:**

Quotation shall remain valid for a period not less than **120 days** after the deadline date specified for submission.
3. **Evaluation of Quotations:**
 - (a) The purchaser will evaluate and compare the quotations determined to be substantially responsive, i.e., which
 - (i) are properly signed; and
 - (ii) conform to the terms and conditions, and specifications.
 - (iii) will be with tender fees, and EMD required, if any.
 - (b) The Quotations would be evaluated separately for each item.
4. **Award of Contract:**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

 - Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
 - The bidder whose bid is accepted will be notified for the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order if falls under Govt. purchase rules, i.e., GFR-2005
5. **Formats and Signing of Bid:**
 - Each & every pages of the submitted bid must carry the page numbers.
 - The bidders are not allowed to make additional and alteration in the tender document, any additions and alteration in the tender document, any additions and alterations shall be at bidder's risk. Conditional/modified tender are liable to be rejected.
 - The tender/quotations NOT submitted in the prescribed format or Incomplete in any respect will be outrightly rejected.
 - If the bid submitted without compliance sheet details of items the bid will be outrightly rejected.
 - The bid shall be typed or written in indelible ink and shall be signed by the Bidder/Tenderer or a person or persons duly authorized to bind the Bidder/Tenderer to the Contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
 - Any interlineations, erasure or overwriting shall be valid only if they are initiated by the persons or persons signing the bid.
 - The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.
6. **Payment condition:** 100% Payment shall be made only after satisfactory delivery of items in good condition and receive satisfactory report by competent authorities after completion the works. Advance payment is not permitted.
7. Normal Commercial warranty/ guarantee shall be applicable to the supplied goods.

INSTRUCTIONS/GUIDELINES TO BIDDERS (ITB)

1. Bidders who had supplied the Government departments, PSUs/NITs/IITs/IIITs and reputed Institutions and Organizations should only apply.
2. The bidder should enclose the client list with contact address along with Phone/Fax for reference, for the quoted item.
3. Please quote the prices of F.O.R. Motilal Nehru National Institute of Technology Allahabad, Allahabad.
[NOTE: Custom/Excise Duty Exemption Certificate will be provided by MNNIT Allahabad after receiving your request letter for the same.
 - **MNNIT Allahabad avails Custom Duty Exemption in terms of Government Notification N. 51/96-Customs dated 23 July, 1996, and Central Excise Duty Exemption in terms of Government Notification N. 10/97-Central Excise dated 01 March, 1997, as amended from time to time.**
4. The Bidders are requested to submit their Quotation with EMD in the form of Demand Draft/ Bank Guarantee/ Short term Deposit of the cost of items in favor of "The Director, MNNIT, Allahabad" payable at Allahabad. Quotation without EMD will be summarily rejected. EMD's of all Bidders will be returned back after the purchase order /contract agreement is issued to successful bidder.
5. Successful Bidders must have to submit the performance security @10% of the purchase order or contract value and it will be retained up to the warranty period.
6. The bidder should enclose relevant documents wherever necessary to substantiate his eligibility.
7. The Institute is eligible for and can provide necessary documentation for Custom/Excise and Octroi exemption on demand, if permitted under rule.
8. Motilal Nehru National Institute of Technology Allahabad, Allahabad, reserves the right to reject, accept any or whole or part of any of the tender without assigning any reason thereof and no claim will be heard. In case of dispute, the decision of The Director, MNNIT, and Allahabad will be final and binding.
9. If the successful bidder is not able to supply the goods items within the delivery date specified in the purchase order, the purchase order will be automatically treated as cancelled after expiry of delivery date period. The vendor will have to submit an undertaking in this regard that this condition is acceptable to him. In case of extra ordinary circumstances the vendors must send a request for extension of validity of purchase orders, with proper justification prior to the expiry of validity date for consideration.
10. In case of sophisticated items, an on-site training needs to be provided with no extra cost.
11. The quotation must be accompanied by leaflets/operation manuals/books etc.
12. Wherever applicable the vendors must quote the branded /desired items.

**CHECK LIST
(ON THE LETTER HEAD OF THE BIDDER)**

The Bid will be the compilation of following documents, along with required supporting documents. No document in support of minimum eligibility criteria will be accepted / entertained after opening of tender.

Sl. No	Documents
1.	Cover letter by bidder (On the Letter Head of the Bidder)
2.	Tender Fee
3.	Earnest Money Deposit (EMD), if required
4.	Cliental List for quoted item
5.	Annexure-A : Bid Proposal Sheet (On the Letter Head of the Bidder)
6.	Annexure-B : Technical Specifications of Digital Flowmeter (On the Letter Head of the Bidder)
7.	Annexure-C : Compliance of bidder with reference to the equipment (On the Letter Head of the Bidder)
8.	Annexure-D : Proforma for direct payment/transfer (On the Letter Head of the Bidder)
9.	Annexure-E : PRICE BID (On the Letter Head of the Bidder)

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ANNEXURE-A

**BID PROPOSAL SHEET
(ON THE LETTER HEAD OF THE BIDDER)**

To
Faculty In-charge (Purchase)
MNNIT Allahabad, Allahabad

Subject: Supply of “**GAS CHROMATOGRAPH WITH FID AND TCD**” at MNNIT Allahabad, Allahabad.

Dear Sir,

We, the undersigned Tenderers, having read and examined in detail the specifications as specified in this document in respect of Supply of “**GAS CHROMATOGRAPH WITH FID AND TCD**” at MNNIT Allahabad, Allahabad do hereby propose to supply the required products and services.

Tender No.				
Tender Fees submitted		YES / NO (Please strike off whatever is not applicable)		
Amount	Mode	Date of Issue	Name of Bank	Valid up to
	Demand Draft			
EMD submitted		YES / NO (Please strike off whatever is not applicable)		
Amount	Mode	Date of Issue	Name of Bank	Valid up to
	Demand Draft			

- (i) **ADDITIONAL PURCHASE/WORK ORDER:** We understand that the MNNIT Allahabad, Allahabad, in case of the requirements may also place repeat purchase order/work order on the company. In such cases, we shall accept and execute all the purchase/work order placed on us by MNNIT Allahabad, Allahabad.
- (ii) **BID PRICING:** We further declare that the prices stated in our proposal are in accordance with your Terms & Conditions in the bidding document. We further understand that the quantities as specified in this Tender may increase or decrease at the time of Award of Purchase Order as per the requirements of MNNIT Allahabad, Allahabad.
- (iii) **QUALIFYING DATA:** We confirm that we satisfy the qualifying criteria and have attached the requisite documents as documentary proofs. In case you require any further information/documentary proof in this regard during evaluation of our bid, we agree to furnish the same in time to your satisfaction.
- (iv) **CONTRACT PERFORMANCE SECURITY:** We hereby declare that in case the contract is awarded to us, we shall submit the performance Guarantee Bond in the form of Bank Guarantee for the amount of 10% of the total order value.
- (v) **PAYMENT TERMS:** We hereby declare that in case the contract is awarded to us, we agree with payment terms specified in the tender documents.
- (vi) **CERTIFICATE AND DECLARATION:**
 - a) I/We certify that no addition/modification/alteration has been made in the Original Tender Document. If at any stage addition /modification /alteration is noticed in the Original Document, I/We will abide by the terms and conditions contained in the original tender document, failing which MNNIT Allahabad reserves the right to reject the tender and/or cancel the contract
 - b) It has been certified that all information provided in tender form is true and correct to the best of my knowledge and belief. We hereby declare that our proposal is made in good faith, without collusion or fraud. No forged /tampered document(s) are produced with tender form for gaining unlawful advantage. We understand that MNNIT Allahabad is authorized to make enquiry to establish the facts claimed and obtained confidential reports from clients.
 - c) In case it is established that any information provided by us is false / misleading or in the circumstances where it is found that we have made any wrong claims. Further MNNIT Allahabad is also authorized to blacklist our firm/company/agency and debar us in participating in any tender/bid in future.
 - d) I / We assure the Institute that neither I /We, nor any of my /our workers, will do any act which is improper / illegal during the execution in case the tender is awarded to us.
 - e) I / We assure the Institute that I /We will NOT be outsourcing any work specified in the tender document, to any other firm.
 - f) Neither I / We, nor anybody on my /our behalf will indulge in any corrupt activities /practices in my /our dealing with the Institute.
 - g) Our Firm / Company / Agency is not been blacklisted or banned by any Govt. Department, PSU, University, Autonomous Institute or any other Govt. Organization.
 - h) I/We certify that, I have understood all the terms & conditions (GCC and ITB etc.), as indicated in enquiry of the tender document, and hereby accept all the same completely.
 - i) I/We, further certify that I/We, possess all the statutory /non-statutory registrations, permissions, approvals, etc., from the Competent Authority for providing the requisite services,
 - j) We understand that you are not bound to accept the lowest or any bid you may receive.
 - k) I/We hereby declare that this tender on acceptance communicated by you shall constitute a valid and binding contract between us.
 - l) I/We certify that the submitted quotation is duly paginated and contains from page no. 1 to

Date:

Signature and Seal of the Manufacturer/Bidder

TECHNICAL SPECIFICATIONS OF "GAS CHROMATOGRAPH WITH FID AND TCD"
(ON THE LETTER HEAD OF THE BIDDER)

GAS CHROMATOGRAPH WITH FID AND TCD		
S.No.	Specification	Description
1.	Oven 1. Temperature range 2. Ramps 3. Oven Cool Down	Ambient temp. +3°C to 450°C or better Should have heating rate up to 100 Deg C/ min. or better. At least 7 or better Negative/cooling ramps are required Should have fast cooling facility; from highest possible oven temp. to 50°C within 5 minutes or better. Optional cooling to -100°C with liquid N ₂ or -50°C with CO ₂ . System must have large volume oven to accommodate at least two columns (one packed + one capillary column or two capillary columns) simultaneously.

<p>3.</p>	<p>Detectors</p> <p>1. FID DETECTOR (FID)</p> <p>Thermal conductivity detector (TCD) (A universal detector that responds to all compounds, excluding the carrier gas).</p>	<p>Single FID with autosampler. Minimum detectable level (MDL) < 1.8 pg C/s Sensitivity more than 0.03 coulombs/gC Linear dynamic range > 10⁷ Temperature range : up to 400 Deg C or better in 1 Deg C increments or better Data acquisition rate: upto 300 Hz or better Flame out detection: auto re-ignition Should have Electronic flow control or equivalent facility Use of Helium or Nitrogen as a carrier gas. Capillary column optimized compatible with 1/8" and 1/16" packed column.</p> <p>Minimum detectable level: 400 pg tridecane/mL with He carrier. (This value may be affected by laboratory environment). Linear dynamic range: > 105 ± 5% Signal polarity can be run-programmed for components having higher thermal conductivity than the carrier gas. Maximum temperature: 400 °C. Standard EPC for 2 gases (He, H₂, or N₂ matched to carrier gas type). Make-up gas: 0 to 12 mL/min. Reference gas: 0 to 100 mL/min.</p>
<p>4.</p>	<p>Column</p>	<p>Packed column for analysis of Hydrogen, Oxygen and Carbon Dioxide (1 No.) Capillary column for volatile fatty acids and alcohols (1 No.) Standard for this application. Kits for installation of 1/8" and 1/16" packed column on SSL and FID/TCD/NPD/ECD.</p>

5.	Software and PC	The necessary software for data acquisition, control, chromatographic data analyses and evaluation, reporting etc. Software should be quoted with part no. The software should be easy to handle and user friendly. GC and all its modules (GC, methanizer, HS, Auto injector/sampler, online GSV etc) should be controllable through single software. Suitable Branded PC and Laser Printer
6.	Gas Cylinders	All the required gas cylinders with dual stage regulators Complete gas purification system for all the required gases
7.	Warranty and Installation	System must be quoted with Two years of warranty Vendor has to take all responsibilities for installation of full set up.
8.	Spares & Consumables	<ul style="list-style-type: none"> • Injection Port Septa – 200 Nos. • Glass Insert for Split & Splitless (4 Each) • Graphite Ferrule 0.5 mm & 0.8mm (10 each) • Microliter Manual Syringes 1, 5 & 10 µL (5 each) • Microliter Autosampler Syringes 10 µL & 50 µL (5 each) • Gas tight syringes 50 µl, 100 µl, 250 µl, 500 µl, 1 ml and 5 ml – 4 each. • Standards for gases in ppm level (O2, H2, CO, CO2) – 2 no each. • Test mix for GC columns including chiral columns • Capillary column cutter
9.	UPS	2KVA online UPS34

TECHNICAL COMPLIANCE OF "GAS CHROMATOGRAPH WITH FID AND TCD"
(ON THE LETTER HEAD OF THE BIDDER)

FERMENTOR		Whether meet the requirement(Yes/No)	Quoted Models Specifications
1	Oven 1. Temperature range 2.Ramps 3. Oven Cool Down	<p>Ambient temp. +3°C to 450°C or better Should have heating rate up to 100 Deg C/ min. or better.</p> <p>At least 7 or better Negative/cooling ramps are required Should have fast cooling facility; from highest possible oven temp. to 50°C within 5 minutes or better. Optional cooling to -100°C with liquid N₂ or -50°C with CO₂. System must have large volume oven to accommodate at least two columns (one packed + one capillary column or two capillary columns) simultaneously.</p>	

3	<p>Detectors</p> <p>1. FID DETECTOR (FID)</p> <p>Thermal conductivity detector (TCD) (A universal detector that responds to all compounds, excluding the carrier gas).</p>	<p>Single FID with autosampler. Minimum detectable level (MDL) < 1.8 pg C/s Sensitivity more than 0.03 coulombs/gC Linear dynamic range > 10⁷ Temperature range : up to 400 Deg C or better in 1 Deg C increments or better Data acquisition rate: upto 300 Hz or better Flame out detection: auto re-ignition Should have Electronic flow control or equivalent facility Use of Helium or Nitrogen as a carrier gas. Capillary column optimized compatible with 1/8" and 1/16" packed column.</p> <p>Minimum detectable level: 400 pg tridecane/mL with He carrier. (This value may be affected by laboratory environment). Linear dynamic range: > 10⁵ ± 5% Signal polarity can be run-programmed for components having higher thermal conductivity than the carrier gas. Maximum temperature: 400 °C. Standard EPC for 2 gases (He, H₂, or N₂ matched to carrier gas type). Make-up gas: 0 to 12 mL/min. Reference gas: 0 to 100 mL/min.</p>		
4	<p>Column</p>	<p>Packed column for analysis of Hydrogen, Oxygen and Carbon Dioxide (1 No.) Capillary column for volatile fatty acids and alcohols (1 No.) Standard for this application. Kits for installation of 1/8" and 1/16" packed column on SSL and FID/TCD/NPD/ECD.</p>		

5	Software and PC	The necessary software for data acquisition, control, chromatographic data analyses and evaluation, reporting etc. Software should be quoted with part no. The software should be easy to handle and user friendly. GC and all its modules (GC, methanizer, HS, Auto injector/sampler, online GSV etc) should be controllable through single software. Suitable Branded PC and Laser Printer		
6	Gas Cylinders	All the required gas cylinders with dual stage regulators Complete gas purification system for all the required gases		
7	Warranty and Installation	System must be quoted with Two years of warranty Vendor has to take all responsibilities for installation of full set up.		
8	Spares & Consumables	<ul style="list-style-type: none"> • Injection Port Septa – 200 Nos. • Glass Insert for Split & Splitless (4 Each) • Graphite Ferrule 0.5 mm & 0.8mm (10 each) • Microliter Manual Syringes 1, 5 & 10 µL (5 each) • Microliter Autosampler Syringes 10 µL & 50 µL (5 each) • Gas tight syringes 50 µl, 100 µl, 250 µl, 500 µl, 1 ml and 5 ml – 4 each. • Standards for gases in ppm level (O2, H2, CO, CO2) – 2 no each. • Test mix for GC columns including chiral columns • Capillary column cutter 		
9	UPS	2KVA online UPS34		

PROFORMA FOR DIRECT PAYMENT/TRANSFER TO BANK ACCOUNT BY MNNIT ALLAHABAD

Sl. No.	Particulars	Information
1.	Firm [Beneficiary] Name	
2.	Code No. allotted by the MNNIT Allahabad [If code is not allotted yet, please enclose a cancelled cheque and copy of PAN card. Cancelled cheque & PAN card is to be submitted only once]	
3.	Complete Bank Account No. of the Firm [beneficiary]. [in case of change in bank account vendor should write to Account Office]	
4.	Bank Name	
5.	Branch Address	
6.	IFSC Code No.	
7.	Permanent Account Number	
8.	Mobile No. [for SMS]	
9.	Email ID [for information]	

We undertake that all information provided above is correct and MNNIT Allahabad will not be responsible in case of any error on the part of firm.

[Seal and Signature of the firm]

ANNEXURE-E

PRICE BID
(ON THE LETTER HEAD OF THE BIDDER)

Sl. No.	Item Description	Qty	Offered Make/ Model	Unit Price	Total Price (in Rs.)	
					In Figures	In Words
1	GAS CHROMATOGRAPH WITH FID AND TCD (Detailed specifications attached at Annexure-B)	01 No.				

We agree to supply the above goods in accordance with the technical specifications for a total contract price of _____ within the period specified in the Invitation for Quotations.

Signature and Seal of the Manufacturer/Bidder

Note:

- Bidders should provide copies of original Memorandum and Articles of Association, defining the constitution of legal status, place of registration and place of business of the company.