



CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

(CSIR, Ministry of Science & Technology, Govt. of India)

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CIMFR's GSTIN No.: 20AAATC2716R1ZT, PAN: AAATC2716R, Service Tax Reg.No.:AAATC2716RSD035

निविदा आमंत्रित सूचना / NIT

निरीक्षण सं० / Enquiry No. CIMFR/PUR 14(14)2018/ /

दिनांक/ Date: 12.12.2018

सेवा में / To,

M/s _____

प्रिय महोदय / Dear Sirs,

विषय / Sub.: Request for ONLY ONLINE Quotation/offer for Gas Chromatograph System

You are requested to quote ONLINE ONLY for the following items in **Two SEPARATE Bids System (1.Techno-commercial Bid without price & 2. Price Bid)** quotations for "Gas Chromatograph System against Enquiry No. CIMFR/PUR 14(14)2018 dated:--12.12.2018". Offer with complete details on the following should be uploaded well in advance in etender.gov.in portal of e-procurement on or before last date & time and will be opened on opening date stipulated as in tender.

क्र०सं० / Sl. No.	मद / Item	मात्रा / Qty.
1.	Gas Chromatograph System Further Details have been listed in Annexure I. For Technical Queries, Contact: Dr. V.A. Mendhe, 9835105099, avmendhe@yahoo.com, vamendhe@cimfr.nic.in	ONE Set.

You are requested to kindly go through the detailed terms & conditions / instructions mentioned below and overleaf and submit only online your most competitive Bid/offer through etenders.gov.in for e-procurement by the last date and time of submission cited above. Tender after due date & time can not be uploaded. Any financial offer/ escalation after opening of the bid are not acceptable. Offline submission are unacceptable.

The offer must enclosed price schedule format for comprise of the following failing which it will be treated as non responsible hence rejected:

Terms & Conditions:

- Recent Past Purchase Orders of similar equipments, client list with contact details & Performance Certificate.
- Taxes: Excise Duty Exempted and Concessional Custom Duty against DSIR Registration Certificate/IGST/GST/Registration of the firm in company act may be provided, if Custom Duty Exemption is availed then IGST/GST will not be paid.
- Payment Terms**
For Imported Items foreign currency payment : 100% through LC comprise of 80% against shipment and 20% against commissioning & finance acceptance. **For Indigenous Items INR Payment:** 100% against installation & commissioning.
- Make and Model, Series, All specific codes, Leaflet, Catalogue & Authorization of Principal/ Manufacturer. Pre-requisite, requirement for site preparation and utility materials must be listed. Warranty should be as specified in specifications.
- The exact figure in %age for discount, if any.
- The period of validity of each bid must be 180 days / more than 180 days from the date of opening.
- Packing, Forwarding, Transporting, Postage/Courier, Octroi, Freight, Insurance, Any Certificate(s), Extra Warranty, Installation, Commissioning any, Any levy, Any other charge(s) must be mentioned clearly.
- Copy of last audited balance sheet, Income tax registration/ PAN Card, Latest Income Tax clearance certificate, Proof of Manufacturer's Authorization for this offer, Agreement of Service Provider and Warranty Support Service, Local Service Centre Details with contact Nos.
- Currency Conversion Rate for evaluation will be considered from www.xe.com / www.rbi.org of the opening date of the price bid.
- The quotations must submitted through only online be neatly typed or computer printed. **Hand written offer will be rejected.** Quotations must carry the numbers of GST/ sales tax / VAT / TIN invariably on the top. Incomplete/conditional will be summarily rejected.
- CLEARANCE OF CONSIGNMENT AT AIRPORT:** The day the Cargo is handed over to our forwarding agent for shipment, the same should immediately be intimated to us along with copies of Invoice & Packing List (box wise), Certificate of Origin, Air Way Bill, Cargo Arrival Notice to enable us its clearance at Kolkata Airport without any demurrage/port charges.
- Agency Commission:** If any, must be explicitly indicated with base value.

Yours faithfully,

Sd/-
Section Officer (S&P)
CSIR-CIMFR

निर्देश, नियम एवं शर्तें / INSTRUCTIONS, TERMS & CONDITIONS

निर्देश / INSTRUCTIONS

1. The quotation must be submitted online only through etenders.gov.in for e-procurement . Any offline submission will not be accepted.
2. All online tenders/quotations should be addressed : **The Director / SPO, Central Institute of Mining & Fuel Research, H.Q.: Barwa Road Campus, Dhanbad – 826 015 (Jharkhand), India with GST no of CSIR-CIMFR and Bidders/Supplier.**
3. Tenders/Quotations must be uploaded sufficiently in advance so that any inconvenience at time on last date can be avoided. Any request of extension regarding last date and opening date will not be entertained.

नियम एवं शर्तें / TERMS & CONDITIONS

1. **Specification and Make** : Quotation should be given for the exact specification and make as shown in the enquiry against Sl. No. of the item., if in the view of the supplier there is any other alternative item which can serve out purpose, quotation may also be given for the same separately. The client list along with the unpriced past order with techno-commercial bid for potential evaluation & Priced past order copy of similar equipment supplied to any CSIR Lab / any Govt. Organization including detail of price & all charges must be attached with price bid.
2. **Mode of dispatch:** RATE SHOULD BE QUOTED FOR ANY OF THE FOLLOWING MODE OF DELIVERY, **For Import: By Air or Sea on FCA/FOB Basis** (i) for Dispatching Station [to be specified]. (ii) FOR Destination (Dhanbad) by Passenger/Goods Train/Transport.(iii) Free delivery at CIMFR Stores (iv) By Registered Post, However, we prefer (ii) & (iii).
3. **Delivery Period** : Specific mention should be made whether the delivery will be Ex-stock or the item will be supplied after procurement /import. Incase of the later the period of delivery must be mentioned clearly and the same has to be strictly adhered to. In case of Ex-stock the rates of transport, F&F, Insurance etc. must be indicated separately.
4. **Taxes** : Rates of all taxes should be indicated clearly, wherever chargeable. This office is not eligible to issue “C” or “D” form. Further, we are also exempted from Excise Duty & Concessional Custom Duty under notification 10 of 1997.
5. **Insurance** : In case of FOB/FCA insurance in CIMFR’s A/c and in the case of FOR destination, insurance should also be covered by you. The goods should be insured in your favour against all risks from ware house to ware house basis. The insurance charges, if any, should be shown separately in the rates quoted.
6. **Packing & Forwarding** : To be suitably packed in Special Export Packing to withstand Air Transmissions enroute to Dhanbad, Jharkhand, India
7. **Validity Period** : The validity period of the offer should be clearly specified. It should be at least for **180 days** from the last date of submission of quotations.
8. **Banker’s Charge:** Indigenous Banker’s charge will be borne by Importer and Foreign Banker’s charge will be borne by supplier.
9. **Opening of Quotations:** The quotations will be opened by the committee of CSIR CIMFR as per online NIT norms.
10. **Miscellaneous** :
 - i) The tenderer is required to furnish : (a) GST No. of Buyer CSIR-CIMFR & Supplier (b) Permanent Account Number as allotted by the Income Tax Department (c) the registration number of DGS&D / National Small Industries Corporation, if so registered as also the period of their validity.
 - ii) Warranty/Guarantee: Terms with name and address of the manufacture should invariably be given.
 - iii) Sample & Literature : Wherever possible and particularly i.r.o. item no. _____ should necessarily be given.
 - iv) Installation, Commissioning & Training: Charges, if extra must be specified wherever applicable.
 - v) AMC : Incase of Plant & Machinery /Sophisticated laboratory equipments the charges of AMC valid at least for 3-3 years must also be quoted. This will be an important criterion for selection of quotation.
 - vi) Spares : We should also like the supplier to suggest the essential spares needed for the equipment/ machines in the next three years and quote for the same positively.
 - vii) Drawings, Diagram and Manual : Incase of machines/equipments the supplier has to provide full drawings/circuit diagrams and blue print-three sets each along with user’s manual at the time of supply.
11. **Liquidated Damages** : LD/Penalty @ 1% per week subject to maximum 10% or as decided by the competent authority will be imposed on non-compliance/violation of Purchase Order terms & conditions.
12. **Performance Bank Guarantee Clause** : 10% in the form of Bank Guarantee of the total order value needs to be submitted to cover two months beyond the warranty period for any order for equipments more than Rs. 25 Lakh.
13. **Acceptance / Rejection** : Director, CIMFR, Dhanbad reserves the right to accept a quotation in part or in full or to reject all quotations or any of the quotations received, for non-compliance or any of the above items, conditions or instructions or for any other reason without assigning any reason thereof.

Annexure-I
Technical Specification for Gas chromatograph (GC) system with accessories

SL.No.	Specification	
1.	Oven	Temperature range: Ambient temp to 450 ⁰ C or more Heating rate up to 100 ⁰ C/min or better
2.	Flow And Pressure Controller	Advance/ Electronic Pneumatic control for injectors and detectors Atmospheric pressure and temperature compensation
3.	Injection Unit	Suitable Packed inlet/Capillary injector Maximum Temperature : 400 ⁰ C, Auto injector port
4.	Thermal Conductivity Detector (TCD)	Operating temperature ambient to 400 ⁰ C, 1 ⁰ C resolution or better Linear dynamic range >10 ⁵ or better Filaments protection Standard
5.	Flame Ionization Detector	Temperature Up to 400 ⁰ C, 01 ⁰ C resolution Linear dynamic range > 10 ⁷ or better Minimum detectable quantity ≤ 3.0 pg C/s Flame Ignition Automatic software controlled
6.	Methanizer	Nickel Catalyst Converter to convert low level of CO and CO ₂ into CH ₄
7.	Gas Sampling/ Switching Valve	Suitable number of 10 & 6 port auto gas sampling valves for sample inject/as switching valve/ isolation valves. Maximum temperature ≥ 200 ⁰ C, Maximum pressure ≥ 60 psi Sample loop in the range of 1ml, Suitable Column(s) to be mounted inside the oven.
8.	Data Station & Software system :	Qty
8a.	PC & Printer : Latest brand computer with CPU, Processor i-7(8 th Generation), RAM 8GB, HD-1TB, minimum 24 inch full HD LED display (resolution 1920x1200 pixels or better), licensed windows 10 OS with preloaded licensed MS-Office 16 (Professional), wireless mouse and keypad, Antivirus (at least 3 years subscription validity) with Laser Color printer	01 complete set.
8b.	Original licensed Chromatography software with Serial number for control and acquisition of GC parameters with features like online & offline data processing and report generation.	01 No.
9.	Gas Purification System with regulator pressure gauge, on/off Valve and Molecular sieve Filters, Charcoal Filters for moisture trap, oxygen trap, hydrocarbon trap etc	01 complete set.
10.	10 KVA Online UPS (1Hour backup with full load)	01 No.
11.	Gas cylinders (Instrument grade), regulators, columns:	
11a.	Filled Hydrogen, Nitrogen, Zero Air and Helium Gas Cylinder, 47 liters capacity, purity-99.999%, pressure-160kg/cm ² with safety certificate	01 No. each (on requirement basis)
11b.	Dual stage Gas regulators (SS 316 diaphragm) of reputed brand for Hydrogen (0-5 Kg/cm ²), Nitrogen 0-10 Kg/cm ² , Zero Air 0-5 Kg/cm ² , Helium (0-5 Kg/cm ²) compatible to be connected with above mentioned gas cylinders as well as regulators will show the above mentioned cylinders inlet pressure	01 No. each
11c.	S.S/ Teflon 1/8-inch Tubing for cylinders connection (High pressure)	As per requirement.
11d.	Application specific packed and capillary columns	As per requirement for the analysis of the gases as mentioned in the indent
12.	standard Calibration gases, ½ Litre, pressure – 20 Kg/cm ² with following composition and minimum one year stability	
12a.	Methane (CH ₄) - 95% by vol. Ethane (C ₂ H ₆) – 3% by vol. Ethylene (C ₂ H ₄) – 0.5% by vol. Propane (C ₃ H ₈) – 0.5% by vol. Propylene (C ₃ H ₆) - 0.2% by vol. Butylene (C ₄ H ₈) - 0.2% by vol. Balance with nitrogen gas	02 No.
12b.	Methane (CH ₄) – 10 % by vol. Ethane (C ₂ H ₆) – 1% by vol. Ethylene (C ₂ H ₄) – 3000 ppmby vol. Carbon dioxide (CO ₂) – 25% by vol. Carbon monoxide (CO) – 1% by vol. Hydrogen (H ₂)- 200ppm by volume Oxygen (O ₂) – 25% by volume Balance with nitrogen gas	02 No
13.	Gas tight Syringes 5 ml and 1 ml	02 No. each
14.	Complete accessories and Test Kit for Installation	As per requirement
15.	Operation and maintenance training to CSIR-CIMFR personal (Two to Four Scientist/Technical Staff)	Minimum One Week
15.	Warranty : 3 years and further minimum 2 years AMC after completion of warranty period	

Price Schedule Form

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD

Name of the Bidder _____
NIT Reference No. _____
File Reference No. _____

Sl.No.	Description/ Part No./ Make Model	Quantity	Unit Price (in currency)	Total Amount (in currency)
1.				
2.				
3.....				
Ex-Works Price-				
Packing, loading and inland freight				
*FCA (at port)				
Terminal charges, loading on vassal				
**FOB (name of port)				
Air freight & insurance up to destination port				
CIF				
Carrier charges & insurance up to final destination				
CIP				
Indian agency Commission (%)				
Installation & Commissioning charges				
Training charges				
Additional Warranty Charges				
Annual Maintenance Charges				
Net Dimension				
Gross Dimension				

*&** Mandatory requirement, failing which offer will be rejected.

Total Bid price in words _____

Note:.

Total Bid price in foreign currency _____

(a) Indian agents name & address _____ in words.

(b) Installation, commissioning & training charges, if any _____

(c) Cost of Spares _____

(d) The Indian agent's commission shall be paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents in accordance with clause 22.1 of GCC.

(e) Banker's details such as- Name of account holder, Account Number, Name of Bank, Branch code, RTGS code, NEFT code, SWIFT code, MICR Code etc.

(f) The Price schedule of optional items shall be indicated in a separate sheet in the same Performa.

Signature of Bidder _____

Name _____

Business Address _____

PRICE SCHEDULE FOR GOODS BEING OFFERED WITHIN INDIA

Name of the Bidder _____

NIT Reference No. _____

File Reference No. _____

Sl.No.	Description/ Part No./ Make	Quantity	Unit Price (in INR)	Total Amount (in INR)
1.				
2.				
3.				
Ex-Works Price-				
Packing & forwarding				
FOR (CIMFR Stores)				
Taxes				
Transportation				
Insurance up to Destination /handover (in case of fabrication)				
Installation & Commissioning charges				
Training charges				
Additional Warranty Charges				
Annual Maintenance Charges				

*(On the basis of the technical specifications submitted)

Total Bid price _____
in words _____

Note :

(a) The Price schedule of optional items shall be indicated in a separate sheet in the same Performa.

(b) Cost spare parts may be indicated separately

Signature of Bidder

Name _____

Business

Address _____