



भारतीय कृषि अनुसंधान परिषद का पूर्वी अनुसंधान परिसर
ICAR RESEARCH COMPLEX FOR EASTERN REGION
 (भारतीय कृषि अनुसंधान परिषद INDIAN COUNCIL OF AGRICULTURAL RESEARCH)

आई.सी.ए.आर. परिसर, पोस्ट-बिहार भेटनरी कॉलेज, पटना- 800014 (बिहार), भारत

ICARParisar, P/o - Bihar Veterinary Collage, Patna – 800 014 (Bihar), INDIA

फोन सं.Phone No. (0612) 2226024, 2228882*104, फैक्स सं.Fax No.2223956, E-mail: purchasercer@gmail.com

F. No. IRCER/2020-21/P&S-58(E)/GeM/Equipment

Dated: 27.11.2020

NOTICE INVITING FOR TENDER

On behalf of President, ICAR, the Director, ICAR Research Complex for Eastern Region, Patna (Bihar) invites e-Tender through Central Public Procurement Portal <http://eprocure.gov.in> for purchase of 01 No. of **Gas Chromatograph** from manufactures firm and authorised dealers. **ICAR, Research Complex of Eastern Region, Patna** is a constituent unit of Indian Council of Agricultural Research under Department of Agricultural Research and Education, Ministry of Agriculture and Farmers Welfare, Government of India. This is an online tender, where only e-Tender will be accepted and no offline/hard copies will be accepted.

Tender ID (To be allotted by portal after uploading of tender)	
Tender Reference No.	IRCER/2020-21/P&S-58(E)/GeM/Equipment
Date of release of Tender through e-procurement Portal	28.11.2020
Bid Submission Start Date (Online)	28.11.2020
Last date for Receipt of Tender fees and EMD at ICAR-RCER, Patna	21.12.2020
Last Date & time for submission of online Bid	21.12.2020 (3.00 PM)
Date & time for opening of technical Bid	22.12.2020 (3.00 PM)
E.M.D to be paid through Demand Draft or NEFT or RTGS only.	Rs. 52500.00 (Rs. Fifty Two thousand five hundred only)
Tender Document Fee to be paid through Demand Draft or NEFT or RTGS only.	Rs. 1000.00 (Rs. One thousand only)

Note:

- 1. The Demand Draft is to be issued in favour of “ICAR Unit, ICAR-RCER, Patna” payable at “Patna” obtained from Nationalized Bank.**
- 2. For NEFT and RTGS, the details of bank account are as follows.**
 - A. Name of the Bank Account: ICAR unit ICAR Research Complex for Eastern Region, Patna**
 - B. Bank Account Number: 11435537143**

C. Name of Bank and Branch: State Bank of India, Bihar Vet. College Campus Branch, Patna	
D. Branch Code:-	09006
E. IFS Code:-	SBIN0009006
The scan copy of Demand Draft/NEFT Transaction Details/RTGS Transaction Details must be uploaded at the respective places of CPP Portal. Further, the hard copy in case of Demand Draft should be submitted to the Director, ICAR-RCER, ICAR Parisar, P.O. Bihar Veterinary Collage, Patna- 14 before bid opening date and time by Post/Speed Post/Courier only.	
Address for Communication	The Director, ICAR Research Complex for Eastern Region, ICAR Parisar, P.O.: Bihar Veterinary College, Patna- 800014
Sd/- Assistant Administrative Officer (P)	

Tender Fee and EMD should be submitted to **The Director, ICAR Research Complex for Eastern Region, ICAR Parisar, P.O.: Bihar Veterinary College, Patna – 800 014 (Bihar), INDIA** by offline on or before Bid Submission End Date and time positively by post/courier only, otherwise respective tender will not be entertained.

Assistant Administrative Officer (P)



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ICARParisar, P/o - Bihar Veterinary Collage, Patna - 800 014 (Bihar), INDIA
फोन सं.Phone No. (0612) 2226024, 2228882*104, फैक्स सं.Fax No.2223956, E-mail: purchasercer@gmail.com

F. No. IRCER/2020-21/P&S-58(E)/GeM/Equipment

Dated: 27.11.2020

Sub: Purchase of Gas Chromatograph - reg.

Dear Sir,

We have requirement of following items for which you are invited to submit your most competitive quotation for the same.

Sr. No.	Name of Equipment	Quantity	Imported/ Indigenous	Place of delivery / Installation of Equipment
01	Gas Chromatograph	01 No.	Imported or Indigenous	ICAR-RCER, Patna

SPECIFICATION FOR GAS CHROMATOGRAPH (System GC for GHG analysis)

Green House Gas Analyzer	Fully automated with programmable pneumatic control • Capable to analyses Methane, Carbon Dioxide, Nitrous Oxide • Dual channel configuration: 1st channel with Electron Capture Detector and second channel with Flame Ionization Detector OR better configuration • Multiple function gas sampling valve with backflush facility • Minimum detectable concentration ➤ Methane - 0.2 ppm or better ➤ Carbon Dioxide - 0.4 ppm or better ➤ Nitrous Oxide - 30 ppb or better • Instrument should be fully compatible to computer and software provided. • Should be Window 10 or latest. • Basic system with EPC/AFC/PPC control for carrier/detector zone gases. • EPC/ PPC/AFC should provide optimum performance with all types of columns and detectors • All parameters should be stored as a part of method for better analysis reproducibility • Capillary flow technology or any other better technique • Gas flow control with programmable pneumatic control • Digital Pneumatic Control for setting column flow with pressure, flow and linear velocity • EPC resolution as low as possible in the range of 0.001 psi or better. • Retention time locking is must to obtain same RT again and again for all
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	three gases.
Oven	• Oven volume should be minimum 12 -15 L • Temperature range 400°C or better • Carrier gas head pressure setting should be 120 -140 psig / 910Kpa. • Must come with column over-heat protection • Temperature set point resolution must be at least 1⁰C or better • At least 15 temperature ramps • Cool down time from 450 °C to 50 °C in 5 minutes or better • Programming step should be 4- 8 or better. • Pressure Programming, Constant linear velocity for carrier gas in capillary mode.
Detectors	• Fully electronic flow control <u>Electron Capture Detector (ECD)</u> • Operating temperature: 100 °C to 400 °C in 1 °C increments or equivalent • Minimum detection level: 5 fg/ sec or better • Linearity: > 10⁴ or better <u>Flame Ionization Detector (FID)</u> • Operational Temperature range up to 400°C • Detection limit should be less than 3 Pg C/S or better for standard solvent like dodecane • Linearity: > 10⁶ or better <u>Methanizer should be capable of analyzing CO2 upto ppm level</u>
Software	<u>Integrator :</u> 32-Bit hardware, Compatible and original software having capability for digital data acquisition from GC and full Qualitative and Quantitative processing capabilities Audit Trail, System Check, Validation Assistant, System Suitability functions, QA / QC Functions with Pass / Fail judgments should be built-in. Optional Head space sampler with accessories (transfer line, pneumatic control decapper, starter kit, vial (20 ml capacity with silicon septum), software, warranty
Essential Consumables	Instrument to be supplied with all essential consumables, Tool kit etc. necessary for installation & demonstration as well as for smooth operation of the GC at least for 24 months.
Warranty and Maintenance Contract	Minimum Three years warranty from the date of installation and final acceptance and three years Comprehensive Maintenance Contract (CMC) after the warranty period should be offered. Comprehensive Maintenance Contract (including Service Visit charges, Maintenance/Repair Labour charges, Spare-Parts cost, etc.
	Training: On-site training to two scientists regarding the application and maintenance of the equipment. Installation and demonstration of GHG samples analysis should be carried out at the installation site. IQ, OQ validation will be required at the time of installation.
Accessories	• All local to be included like Hydrogen, Nitrogen, and Zero Air Gas Cylinders with good quality double stage regulators with SS diaphragm, • Gas Purification Panel

	• 2 ml gas tight Syringe: 5 No • 2 tonne capacity split AC • 2 HaySep-D 80/100 mesh 3.2mm*2.1mm and Porapak N 80/100 mesh 3.2*2.1mm columns • Colour laser printer, • 5KVA sinewave On-line UPS with 30 minutes back-up
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IMPORTANT NOTES:-

1. Tender Documents can be downloaded from the ICAR-RCER website www.icarrcer.in or from the Central Public Procurement Portal [URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app) Bidders should enrol/register in the e-procurement module of Central Public Procurement Portal through the website: [URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app) for participating in the bidding process. Bidders should also possess a valid Digital Signature Certificate (DSC) for online submission of bids.

2. Bids received on e-tendering portal only will be considered. Bids in any other form sent through sealed cover/email/post/fax etc. will be rejected.

3. EMD defined on the Portal and as indicated in the EMD column of the above table. In case of offered price of equipment/instrument is less than Rs.1,00,000/-, there is no need to submit EMD (Bid Security.)

4. ICAR-RCER, Patna will not be responsible for any delay in enrolment / registration as bidder or submitting /uploading the offer on e-tender portal. Hence, bidders are advised to register in e-tendering website [URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app) and enroll their Digital Signature Certificate and upload their quotation well in advance.

5. Any change/corrigendum/extension of opening date in respect of this tender shall be issued through websites only and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit our website for updates.

6. ICAR-RCER, Patna reserves the right to accept/reject any or all the tenders in part/full without assigning any reason thereof.

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|------|---|---|
| I. | Description of the goods required and the required quantity | : (As per NIT/Bid Document) |
| II | Guiding specification and other Technical Details | : (As per Annexure-II) |
| III. | Terms of delivery (Delivery at site) | : ICAR Research Complex for Eastern Region, Patna |
| IV. | Delivery period for goods | : Within 30 days from the date of issue of the purchase order or as mentioned in purchase order |
| V. | Erection/installation and commissioning (if required, depending on the goods ordered) | : Completed within 10 (Ten) days of delivery of the goods at site. |
| VI. | Terms of Inspection by the purchaser's representative | : Indenting Officer |
| VII. | Training of Purchaser's operator(s) for operating the goods ordered, as and if | : ICAR-RCER, Patna, operator (s) for operating the goods ordered, as and if |

necessary

necessary ICAR-RCER, Patna operator(s) is/are to be trained for a period of 02 days/weeks at Institute premises/supplier's premises for successfully operating the goods purchased. The training shall be completed by within 07 days of installation.

VIII. Price structure

- a. The Bidder shall quote for the complete requirement of goods & services and for the full quantity as shown in bid document.
- b. **Specification quoted by the firm should be attached literature, leaflet/brochure of the equipments/items with the tender documents essentially.**
- c. The rates and prices quoted by the supplier shall remain firm and fixed during the currency of the contract and shall not be subject to variation on any account whatsoever, including statutory variations, if any. However, Goods and service tax will be paid extra as per provision under Clause viii (c) above.

ix) Receipt of goods and Terms of Payment:

- a. Payment terms for supply of goods, including erection/ installation and commissioning (as and if applicable).

Immediately on receiving the goods at site, the purchaser will verify the quantities of the items supplied as specified in the delivery challan of the supplier and also check for any superficial damage etc. in the goods so supplied and issue a provisional receipt accordingly. If the goods supplied do not require erection/ installation and commissioning at site, the purchaser, within two working days of issue of the provisional receipt, will issue acceptance certificate(of the goods) to the supplier, provided the goods supplied are acceptable in terms of the contract. However, if the goods supplied also need erection/ installation and commissioning, the purchaser will issue acceptance certificate within two working days, after successful erection/ installation and commissioning. The supplier will then send its invoice along with the purchaser's acceptance certificate and other accompanying documents to the paying authority for payment.

The paying authority will release the payment to the supplier as due in terms of the contract on the receipt of supplier's invoice, purchaser's receipt certificate and other accompanying documents, provided the same are in order.

x) Paying Authority: The Finance & Accounts Officer, on behalf of The Director, ICAR-RCER, Patna

(A) Payment for Goods(imported/indigenous) supplied within India:

100% of the contract price on receipt of goods by the consignee supported by satisfactory installation/working report.

Installation: Within 10 days at the respective place from the date of receipt of equipment in the Institute failing which Liquidated damage clause shall apply.

PRICES:-

- I. All the bidder have to quote in INR, Price to be quoted on FOR ICAR Research Complex for Eastern Region, Patna, Bihar, basis.**
- II. Preference shall be allowed for items manufactured in India “(Public Procurement – Preference to Make in India Order 2017(PPP-MII Order)” pursuant to Rule 153(iii) of General Financial Rules,2017 in compliance to Notification/Endorsement by ICAR/Govt. of India ,Ministry of Commerce & Industry as per norms.**
- III. The bidder are advised to quote price for Indigenous/imported equipment in INR.**
- IV. IN CASE THE STORES PERTAINS TO IMPORT:**
 - a) Kindly ensure to upload (in cover-1 of e-tender) Manufacturer’s Authorization in favour of Indian Subsidiary Firm. It may also be noted that further authorization by subsidiary firm in favour of any other firm located in India to promote their sale must have authorization to an Indian firm, failing which the tender is liable to be cancelled.
 - b) Price to be quoted on **FOR ICAR Research Complex for Eastern Region, Patna, Bihar.**
 - c) The FOR price is inclusive of all incidental charges i.e. freight, forwarding and insurance etc.
 - d) The clearing charges from custom house will be borne by the Indian Agent. The documents will be provided to the Indian Agent on request by ICAR-RCER, Patna.

xi) Liquidated Damage Clause: The purchaser is reserve all right to accept or deny to extension of delivery period. If any time during the performance of the contract, the supplier encounters conditions hindering timely delivery of the goods, the supplier shall promptly inform the purchaser in writing the fact of the delay and the likely duration of the same. After receipt of supplier's communication, the purchaser shall decide as to whether to cancel the contract for the un-supplied portion after the existing delivery period, or to extend the delivery period suitably by issuing an amendment to the contract. If the supplier fails to deliver the goods and/or perform the services within the contractual delivery period for reasons other than circumstances beyond supplier's control (which will be determined by the purchaser) and the purchaser extends the delivery period, the purchaser will also deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% (half per cent) of the delivered price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance. The maximum limit of such deduction will, however, be 10% (ten per cent) of the contract price of the delayed goods or services, after which the order will be treated, cancelled. The liquidated damage will also include damage due to delay in supply, installation and training Further, during such delayed period of supply and/or performance, the supplier shall not be entitled to any increase in price and cost, whatsoever, on any ground. However, the purchaser shall be entitled to the benefit of any decrease in price and cost on any ground, whatsoever, of the goods & services, supplied during the period of delay. The

purchaser's letter (to the supplier, with copies endorsed to other concerned) extending the delivery period will be subject to the above conditions.

xii) Warranty Clause: Manufacturer's standard warranty clause is acceptable, however minimum three years warranty is mandatory.

xiii) Dispute Resolution Mechanism:

If any dispute or difference arises between the purchaser and the supplier relating to any matter connected with the contract, the parties shall make every effort to resolve the same amicably by mutual discussions. However, if the parties fail to resolve the dispute or difference by such mutual discussion within 30 days, either the purchaser or the supplier may give notice to the other party of its intention to refer the same to arbitration. The arbitration shall commence thereafter. The arbitration shall be conducted by a sole arbitrator, who will be appointed by the Secretary, ICAR and the procedure to be followed in this respect will be as per the Indian Arbitration and Conciliation Act 1996. The venue of the arbitration shall be the place from where the contract is issued.

A. You are also required to fulfil the following conditions and furnish the details as indicated in subsequent paragraphs.

- a) At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to 25%, the quantity of goods and services as specified in the List of Requirements, without any change in the unit price or other terms and conditions.
- b) Please indicate if you are currently registered with any Govt. Organization and if registered, furnish all relevant details.
- c) Please states whether business dealings with your firm presently stand banned by any Government organization and, if so, furnish relevant details. A supplier shall not submit more than one quotation for the same set of goods. No pooling should be done in association with any other supplier.
- d) The supplier shall at all times identify the purchaser, at no cost to the purchaser, against all third party claims of infringement of patent, trademark or industrial design rights arising from the use of the goods or any part thereof, with respect to the goods quoted by the supplier in its offer.
- e) Correction or over-writing in the tender document is not permissible. The quotation(s) as well as the contract shall be written in English language. All correspondence and other documents pertaining to the quotation(s) and the contract which the parties exchange shall also be written in English. The quotation and all correspondence and documents relating to the quotation Exchanged between the bidder and the purchaser may also be written in Hindi language provided that the same is accompanied by an English translation, in which case, for the purpose of interpretation of the quotation, the English translation shall govern.
- f) The contract shall be governed by the laws of India and interpreted in accordance with such laws.
- g) The quotation/offer shall remain valid for acceptance for a period not less than 180 days after the specified date of opening of the offers.

- h) A DD as Earnest Money Deposit in favour of “ICAR Unit, ICAR-RCER, Patna” payable at Patna is to be send through offline. No tender shall be considered without the earnest money deposit (EMD).**
- i) In case, the successful bidder shows inability at any stage, after the contract is finalised and awarded for whatsoever reason(s), to honour the contract, the EMD/Performance Security deposited would be forfeited.
- j) The firm whom the tender will be awarded, will have to deposit the performance security equal to 5% of the total amount tentatively arrived till such time the period of contract expires. If the supply/services are not found to be satisfactory, the performance security is liable to be forfeited.**
- k) Mere declaration that specification is according to indenter’s requirement would be not sufficient. Unless & until supported by proper manufactures brochures.
- B. The Envelope (tender fee & EMD), which are received late by the purchaser, will be ignored. Further, the purchaser does not accept any liability and responsibility for the Envelope in case the same are not properly sealed and marked and/or sent as above.
- C. The purchaser will evaluate and compare the quotations which are substantially responsive i.e. which are properly prepared and signed and meet the required terms, conditions, specifications etc. The purchaser will award the contract to the supplier whose quotation will be determined to be responsive and offering the best evaluated deal.
- D. The Institute will not be held responsible for any sort of postal delay of Envelope (tender fee & EMD) received after stipulated date & time as specified above shall be deemed as summarily rejected. Tenders forms so received will be opened on the stipulated date & time in the presence of tenders or their authorised agents.
- E. *The purchaser reserves the right to accept or reject any or all quotations at any time prior to or after supply order, without assigning any reason, whatsoever, and without incurring any liability or obligation, whatsoever, to the affected Bidder or tenders.*
- F. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.
- Applicable Concessional rate of GST : 5%
Notification No.and date : TU/V/RG-CDE(715)2016 dated 28/03/2017
- G. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any).
- H. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of Bihar, specially in Patna District in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

- a. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
- b. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
- I. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 10 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (Deposited in form of Demand Draft).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of Performand Gurantee. Seller shall be liable to re-imberse the cost of such service / rectification to the Buyer.
- J. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
- K. Preference to Make in India products will be applicable for this procurement (As defined in Deptt of Expenditure OM dated 28.5.2020 and other notification by Govt. Of India: Preference shall be given to make in India product as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products.

7. Essential/ mandatory documents required to be submitted on line:

- **Annexure-I: Pre qualification criteria sheet**
- **Annexure-II: Detail Technical Specification & Compliance Sheet with quoted Model/make**
- **Annexure-III : Bank detail Tender acceptance Letter**
- **Annexure-IV: Satisfactory performance Certificate**
- **Annexure-V: Manufacturer's Authorization Form**
- **Annexure-VI: Bidder Declaration**
- **Annexure-VII : Certificate for Non Blacklisting**
- **Annexure-VIII : Tender Acceptance Letter**
- **Annexure-IX : Questionnaire**
- **Annexure-X : Financial Bid Declaration**
- **Proof of Tender processing Fee deposition or Exemption Certificate**
- **Proof of EMD deposition or Exemption Certificate**
- **Firm registration certificate towards manufacturer or supply of scientific equipments.**
- **GST registration certificate.**
- **ITR of last three financial years (2016-17, 2017-18 and 2018-19).**
- **Certified Balance Sheet of last three financial years (2016-17, 2017-18 and 2018-19) with minimum annual turnover of Rs. 100.00 lakh (Rupees One hundred lakhs).**
- **Brochure of quoted make and model along with their technical details.**
- **Experience Criteria: The Bidder / OEM should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 4 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:**
 - **At least one order in each financial year.**
 - **Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid.**
 - **Malicious Code Certificate: The seller should upload following certificate in the bid:-**
 - **(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-**
 - **(i) Inhibit the desires and designed function of the equipment.**
 - **(ii) Cause physical damage to the user or equipment during the exploitation.**
 - **(iii) Tap information resident or transient in the equipment/network.**
 - **(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright**

and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

- **Service Centers: Submit a proper copy having a Functional Service Centre in the State of Bihar, specially in Patna District in case of carry-in warranty. If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre. (Not applicable in case of goods having on-site warranty, if, the goods fall under this clause, a separate certificate is to be provided by the bidder).**
- **The bidder is required to upload, along with bid , all relevant certificates such as BIS License, type test certificate, approval certificate and other certificates as prescribed in the Product Specification given in the bid document.**

Place – Patna
Date – 27.11.2020

Assistant Administrative Officer(P)

(Printed on letter head of firm)

Annexure-I

Pre Qualification criteria Sheet

Name of the Firm with address

S.No.	Particulars	Submitted (Yes / No)	If Yes mention Page No.
1.	Tender Processing Fee enclosed or not		
2.	EMD enclosed or not		
3.	A Copy of the Certificate of Registration of the Firm towards manufacturer or supply of scientific equipment.		
4.	GST registration No. of the agency/firm		
5.	PAN No. of the agency/firm		
6.	ITR of last three financial years (2016-17, 2017-18 and 2018-19).		
7.	Certified Balance Sheet of last three financial years (2016-17, 2017-18 and 2018-19) with minimum annual turnover of Rs. 100.00 lakh (Rupees One hundred lakhs).		
8.	Brochure of quoted make and model along with their technical details.		
9.	Experience Criteria: The Bidder / OEM should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 4 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria: At least one order in each financial year. Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid.		
10.	Malicious Code Certificate: The seller should upload following certificate in the bid:- (a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :- (i) Inhibit the desires and designed function of the equipment. (ii) Cause physical damage to the user or equipment during the exploitation. (iii) Tap information resident or transient in the equipment/network. (b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.		
11.	Service Centers: Submit a proper copy having a		

	Functional Service Centre in the State of Bihar, specially in Patna District in case of carry-in warranty. If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre. (Not applicable in case of goods having on-site warranty, if, the goods fall under this clause, a separate certificate is to be provided by the bidder).		
12.	The bidder is required to upload, along with bid , all relevant certificates such as BIS License, type test certificate, approval certificate and other certificates as prescribed in the Product Specification given in the bid document.		
13.	Signed and scanned copy of completely filled Technical specification compliance sheet must be submitted for quoted item.		
14.	Annexure-II: Detail Technical Specification & Compliance Sheet with quoted Model/make		
15.	Annexure-III : Bank detail Tender acceptance Letter		
16.	Annexure-IV: Satisfactory performance Certificate		
17.	Annexure-V: Manufacturer's Authorization Form		
18.	Annexure-VI: Bidder Declaration		
19.	Annexure-VII : Certificate for Non Blacklisting		
20.	Annexure-VIII : Tender Acceptance Letter		
21.	Annexure-IX : Questionnaire		
22.	Brochure of quoted make and model along with their technical details		

Certificate

I have read and understood the Terms & conditions contained in the Tender Document governing in www.icarrcer.in and <http://eprocure.gov.in> and I agree to abide by the same and against which this technical bid is submitted.

Signature of Bidder

SPECIFICATION**DETAILED TECHNICAL SPECIFICATIONS & OTHER TECHNICAL DETAILS OF THE ITEMS AND COMPLIANCE SHEET (SUPPORTED BY LEAFLET AND BROCHURE)**

S. No.	TECHNICAL SPECIFICATIONS		COMPLIANCE SHEET (Yes or No)
1.	Green House Gas Analyzer	Fully automated with programmable pneumatic control • Capable to analyses Methane, Carbon Dioxide, Nitrous Oxide • Dual channel configuration: 1st channel with Electron Capture Detector and second channel with Flame Ionization Detector OR better configuration • Multiple function gas sampling valve with backflush facility • Minimum detectable concentration ➤ Methane - 0.2 ppm or better ➤ Carbon Dioxide - 0.4 ppm or better ➤ Nitrous Oxide - 30 ppb or better • Instrument should be fully compatible to computer and software provided. • Should be Window 10 or latest. • Basic system with EPC/AFC/PPC control for carrier/detector zone gases. • EPC/ PPC/AFC should provide optimum performance with all types of columns and detectors • All parameters should be stored as a part of method for better analysis reproducibility • Capillary flow technology or any other better technique • Gas flow control with programmable pneumatic control • Digital Pneumatic Control for setting column flow with pressure, flow and linear velocity • EPC resolution as low as possible in the range of 0.001 psi or better. Retention time locking is must to obtain same RT again and again for all three gases.	
2.	Oven	• Oven volume should be minimum 12 -15 L • Temperature range 400°C or better • Carrier gas head pressure setting should be 120 -140 psig /	

		910Kpa. • Must come with column over-heat protection • Temperature set point resolution must be at least 1⁰C or better • At least 15 temperature ramps • Cool down time from 450 °C to 50 °C in 5 minutes or better • Programming step should be 4- 8 or better. • Pressure Programming, Constant linear velocity for carrier gas in capillary mode.	
3.	Detectors	• Fully electronic flow control <u>Electron Capture Detector (ECD)</u> • Operating temperature: 100 °C to 400 °C in 1 °C increments or equivalent • Minimum detection level: 5 fg/ sec or better • Linearity: > 10⁴ or better <u>Flame Ionization Detector (FID)</u> • Operational Temperature range up to 400°C • Detection limit should be less than 3 Pg C/S or better for standard solvent like dodecane • Linearity: > 10⁶ or better <u>Methanizer should be capable of analyzing CO2 upto ppm level</u>	
4.	Software	<u>Integrator :</u> 32-Bit hardware, Compatible and original software having capability for digital data acquisition from GC and full Qualitative and Quantitative processing capabilities Audit Trail, System Check, Validation Assistant, System Suitability functions, QA / QC Functions with Pass / Fail judgments should be built-in. Optional Head space sampler with accessories (transfer line, pneumatic control decapper, starter kit, vial (20 ml capacity with silicon septum), software, warranty	
5.	Essential Consumables	Instrument to be supplied with all essential consumables, Tool kit etc. necessary for installation & demonstration as well as for smooth operation of the GC at least for 24 months.	
6.	Warranty and Maintenance Contract	Minimum Three years warranty from the date of installation and final acceptance and three years Comprehensive Maintenance Contract (CMC) after the warranty period should be offered. Comprehensive Maintenance Contract (including Service Visit charges, Maintenance/Repair Labour charges, Spare-Parts cost, etc.	
7.	Training	Training: On-site training to two scientists regarding the application and maintenance of the equipment. Installation	

		and demonstration of GHG samples analysis should be carried out at the installation site. IQ, OQ validation will be required at the time of installation.	
8.	Accessories	• All local to be included like Hydrogen, Nitrogen, and Zero Air Gas Cylinders with good quality double stage regulators with SS diaphragm, • Gas Purification Panel • 2 ml gas tight Syringe: 5 No • 2 tonne capacity split AC • 2 HaySep-D 80/100 mesh 3.2mm*2.1mm and Porapak N 80/100 mesh 3.2*2.1mm columns • Colour laser printer, • 5KVA sinewave On-line UPS with 30 minutes back-up	

(Printed on letter head of firm)

Annexure-III

Name of the Firm : -----

Registered/Postal Address : -----

1.	Phone number/Mobile number	
2.	E-mail Address	
3.	PAN No.	
4.	GST No.	
5.	Bank Details : Bank Name Branch Address Account no. Type of account (Current/Savings)	

DECLARATION BY THE BIDDER

1. I have read and understood the tender terms and conditions relevant to Tender Document.
2. I have submitted the Technical Bid in accordance with the Terms and Conditions of the above Tender Document.
3. The information furnished in the Technical Bid are true and factual and I clearly understand that our tenders are liable for rejection, if any information furnished is found to be not true and not factual at any point of time.
4. I would abide by the terms and conditions governing this tender. In case if I fail to supply as per requirement, I would be fully responsible for all the consequences that may arise and ICAR-RCER can exercise appropriate action like black listing in addition to forfeiting of EMD. I shall pay the difference of higher cost involved and other related expenses paid if any for supply of the product.
5. The Commercial Bid is separately submitted against this tender.

SEAL & SIGNATURE OF BIDDER

CERTIFICATE

This is to certify that our firm..... is dealing with various organization of Central/State Govt./ICAR institutes from..... years. We have fulfil all the attached work/supply order of respective department/ICAR institutes within time limit with full satisfaction. (Copy of Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders are attached with this certificate.)

(Name and address of the tendering firm)
Seal & Sign of the tendering firm

प्रमाण पत्र

प्रमाणित किया जाता है कि हमारे फर्म मेसर्स के द्वारा पिछले वर्षों में केन्द्र/राज्य सरकार के विभिन्न कार्यालय/भारतीय कृषि अनुसंधान परिषद के विभिन्न संस्थानों को अपनी सेवायें दिया जा रहा है। वर्णित वर्षों के दौरान केन्द्र/राज्य सरकार के विभिन्न कार्यालय/भारतीय कृषि अनुसंधान परिषद के विभिन्न संस्थानों से प्राप्त संलग्न समस्त कार्य आदेश/कय आदेश को नियत समय में संतोषजनक रूप से पूरा/पूर्ति किया गया है। उपरोक्त आदेश के लिए संबंधित क्रेता संगठन द्वारा जारी संतुष्टि प्रदर्शन प्रमाणपत्र की प्रति इस प्रमाण पत्र के साथ संलग्न है।

निविदाकर्ता फर्म का नाम एवं पता
हस्ताक्षर सील सहित

Annexure-V

MANUFACTURER'S AUTHORISATION FORM

To

The Director,
ICAR Research Complex for eastern region
Patna (Bihar) 800 014

Ref: Your Bidding Documents No.....dated.....

Dear Sir,

We....., who are established and reputable manufacturers of
..... (Name and description of the goods offered in the bid) having factories at
..... hereby authorize Messrs.....
(name and address of the agent) to submit a bid, negotiate (as and if necessary) and conclude the
contract with you against your above mentioned Bidding Documents for the above goods
manufactured by us.

No company or firm or individual other than Messrs
(name and address of the above agent) is authorized to bid, negotiate and conclude the contract against
this specific Bidding Documents for the above mentioned goods manufactured by us.

We hereby extend our full guarantee and warranty as per clause xii of the General Conditions of
Contract, read with modification, if any in the Special Conditions of contract for the goods and services
offered for supply against this Bidding Document by the above firm.

Yours faithfully,

(Signature name and designation)
for and behalf of Messrs.....
[name & address of the manufacturers]

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by
a person competent and having the power of attorney to legally bind the manufacturer. The authorization
Certificate should be from the "Manufacturer" only and certificate from any other firm/person including OEM
arrangements would not be accepted.

DECLARATION TO BE SUBMITTED BY BIDDER/BIDDER

1. I/We agree to keep the offer of this tender valid up to 180 days from the date of receipt of the tender and not to modify the whole or any part of it for any reason within the above period. If I/we withdraw the tender, EMD may be forfeited.
2. I/We hereby distinctly and expressly declare and acknowledge that before the submission of tender, we have made such examination of the tender documents and such investigation of the work required to be done, as to enable us to thoroughly understand convenient, agreements, stipulations and restriction contained in the contracts and agree that we will not hereafter make any claims or demand to RCER, Patna based upon arising out of any alleged misunderstanding or misconception or mistake on our part of the said requirement.
3. I/We shall not assign the contract or any portion of the contract to anyone.
4. If my/our tender is not accepted, the EMD shall be returned on my/our application. If my/our tender is accepted, the earnest money shall be retained by RCER, Patna up to the submission of acceptance letter of contract award to the office and till deposition of **10% of total cost** as required under the contract.
5. If upon written intimation to me/us by the RCER, Patna, I/we fail to attend the said office on the date fixed therein or I/ we fail to deposit security deposit and entered into the required agreement deed as defined in the terms & conditions in tender documents, then I/we agree to the forfeiture of the earnest money. Any notice required to be served on me/us hereunder shall be sufficiently if delivered to me/us personally or forwarded by post or left at my/our address given herein, such notice shall be deemed to have been served.
6. I/We agree to identify and keep indemnified the first party from any claims, loss or damages that may be caused to the first party on account of my/ our failure to comply with their obligations.
7. I/We have fully understood that the written agreement to be entered between us and ICAR-RCER shall be the foundation of the rights of both the parties and the contract shall not be deemed to be complete until the agreement has first been signed by us and then by the officer authorized to enter into contract on behalf of ICAR-Research Complex for Eastern Region, Patna.

Signature of Contractor & Seal

Address:-

Contact No.

(To be given on Company Letter Head)

TO WHOM IT MAY CONCERN

We hereby certify that our firm..... has no legal suit/criminal case pending or contemplated against the Proprietor of the agency or any of its directors on grounds of moral turpitude or for violations of any of the laws in-force. Also, that the firm/agency has never been black listed by any Government or semi Government authority during the last 05 years.

(Name and Signature of the Bidder, with Official Seal)

**TENDER ACCEPTANCE LETTER
(To be given on Bidder Letter Head)**

Date:

To,
The Director,
ICAR- Research Complex for Eastern Region
ICAR Parisar,P.O.:Bihar Veterinary College,
Patna-800 014

Sub: Acceptance of Terms & Conditions of **Supply of Gas Chromatograph.**

Tender Reference No: _____

Name of Tender / Work: - _____

Dear Sir,

I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

as per your advertisement, given in the above mentioned website(s).

I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

The corrigendum(s) issued from time to time by your department/ organization too has also been taken into consideration, while submitting this acceptance letter.

I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Autonomous Body/Organization/Public sector undertaking.

I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

QUESTIONNAIRE

ONLINE BIDDERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. IN CASE A QUESTION DOES NOT APPLY TO A BIDDER, THE SAME SHOULD BE ANSWERED WITH THE REMARK “NOT APPLICABLE”. BIDDERS MAY PLEASE NOTE THAT IF THE ANSWERS SO FURNISHED ARE NOT CLEAR AND/OR ARE EEEVASIVE THE BID WILL BE LAIBLE TO BE IGNORED.

1. Bid No..... Date for bid opening on.....

2. Offer is open for acceptance

3. Whether Product is Imported or Indigenous (Attach relevant document):

4. Brand of goods offered :

5. Name & address of manufacturer :

6. Station of Manufacturer. :

7. What is your permanent Income Tax A/C No.:

8. Confirm whether you have attached your latest/current ITCC or certified photocopy thereof.

9. Status :

(a) Are you a small scale unit currently registered with the National Small Industries Corporation (NSIC) under Single Point Registration Scheme for the items(s) quoted ? If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.

(b) If you are not registered either with NSIC, please state whether you are currently registered with Directorate of Industries of the State Government concerned. If so indicate the date up to which you are registered and whether there is any monetary limit on your registration.

(c) Are you registered under the Indian Companies Act, 1956 or any other Act?

Please attach certified copy (copies) of the relevant registration certificate(s) in confirmation to you above answer(s).

9. Whether you are:

i) Manufacturer of the goods quoted; or

ii) Manufacturer's authorized agent for those goods.

10. State whether business dealings with you have been currently banned by any Ministry/Deptt. Of Central Govt. or any State Govt.:

11. Have you attached the mandatory document required to be submitted on line as mentioned in bid document.:-

12. Have you attached the details about Service Centres/ on site warranty:-

13. Have you attached all relevant certificate (mention page no. of each certificate).

Signature of Witness

Name & address of Witness

Signature of Bidder

Full name, designation &
address of the person signing above

Financial Bid Declaration

To,
 The Director,
 ICAR- Research Complex for Eastern Region
 ICAR Parisar, P.O.: Bihar Veterinary College,
 Patna-800 014

Sir,
 I/We wish to submit our tender for supply of **Gas Chromatograph at ICAR-RCER, Patna**, on the following rates:

Sr. No.	Particulars	Rates Quoted (INR)
1.	Rates offered for Item at ICAR-RCER, Patna in accordance with the terms and conditions specified in the tenders including installation, transportation specially covered all acts and taxes etc. as applicable from time to time	As per BOQ

NOTES:

- The overall comparison shall be done on the basis of the summation of the quoted rates.
- I/We agree to forfeit of the earnest money if I/We fail to comply with any of the terms and conditions in whole or in part lay down in the Tender form.
- I/We have carefully read the terms and conditions of the Tender and are agreed to abide by these in letter and spirit.
- I offer the rate(s) as indicated in the Financial Bid inclusive of all applicable charges, duties and taxes except Goods and Service Tax. The rates are in Indian Rupee.
- I understand and agree that in case of any discrepancy/difference in the amounts indicated in figures and words the amount in words will prevail and will be considered.
- I also agree that the quoted rates shall remain firm throughout the tenure of the contract and no revision will be considered for any reason.

Signature _____

Name & Address of the firm _____

Contact No. & Email ID _____

Mobile No _____

Instructions for Online Bid Submission

For Online Bid Submission as per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <http://eprocure.gov.in/eprocure/app>.

REGISTRATION:

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <http://eprocure.gov.in/eprocure/app>) by clicking on the link “Click here to Enroll” on the CPP Portal is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders“ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

1. Bidder should login to the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. The Bidder has to select the payment option as “Offline” to pay the tender fee/ EMD as applicable and enter details of the instrument.
4. The Bidder should prepare the EMD as per instructions specified in the tender document. The Original should be posted / couriered/ given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
5. A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bid in the format provided and no other format is acceptable. The bidders are required to download the BOQ file, open it and complete the white coloured (unprotected cells with their respective financial quotes and other details (such as the name of the bidder) No other details should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the file name. If the BOQ file found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bid is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
8. The uploaded tender documents must become readable only after the tender opening by the authorized bid openers.
9. Upon the successful and timely submission of bids) i.e. after Clicking "Freeze Bid Submission: in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
10. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.
11. Bidder shall take in to account all costs including installation, commissioning, cartage etc. for giving delivery of material at site i.e. ICAR-RCER, Patna be for quoting the rates. In this regard no claim for any extra payment for any reason shall be entertained.
12. The item should be delivered at, ICAR-RCER, Patna the supplier shall be responsible for any damage during the transit of goods.
13. **All the tender documents & price bid to be up loaded as per this tender are to be digitally signed by the bidder.**
14. All the communications with respect to the tender shall be addressed to:
The Director, ICAR RCER, ICAR Parisar, P.O.: Bihar Veterinary College, Patna-800 014.