



icmr NIOH
INDIAN COUNCIL OF
MEDICAL RESEARCH NATIONAL INSTITUTE OF
OCCUPATIONAL HEALTH

आई सां एम आर- राष्ट्रीय व्यावसायिक स्वास्थ्य संस्थान

(व्यावसायिक स्वास्थ्य के लिए विश्व स्वास्थ्य संगठन का सहयोगी केन्द्र)

स्वास्थ्य अनुसंधान विभाग,

स्वास्थ्य और परिवार कल्याण मंत्रालय, भारत सरकार

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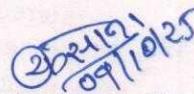
09/10/2025

OFFICE MEMO

संस्थान के सक्षम प्राधिकारी ने जीएफआर-2017 के नियम 162 के अंतर्गत सीमित निविदा पूछताछ के माध्यम से एक उच्च प्रदर्शन लिक्विड क्रोमैटोग्राफी सिस्टम (एचपीएलसी), मात्रा-01, खरीदने का निर्णय लिया है। निविदा पूछताछ निम्नलिखित विक्रेताओं को भेजी गई है। / The competent authority of the Institute has decided to procure a High Performance Liquid Chromatography system (HPLC), Qty-01, through Limited Tender Enquiry under rule 162 of GFR-2017. The Tender Enquiry has been sent to the following vendors.

1. M/s. Panshul Multitrade Pvt Ltd., Ahmedabad
2. M/s. Waters India Pvt Ltd., Ahmedabad
3. M/s. Bruker India Scientific Pvt Ltd., Bangalore
4. M/s. Thermo Fisher Scientific India Pvt Ltd., Vadodara
5. M/s. Agilent Technologies India Pvt Ltd, Ahmedabad
6. M/s. Spincotech Pvt Ltd, Ahmedabad
7. M/s A3A Infotech Pvt Ltd., Noida

इसमें किसी भी प्रकार की भागीदारी स्वीकार्य नहीं है। यह केवल सूचना के लिए है। / No participation shall be entertained. This is for information only.


(रुक्षाना घांची / Rukshana Ghanchi)
अनुभाग अधिकारी / Section Officer



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75
Azadi Ka
Amrit Mahotsav



Terms & Conditions:

1. Technical Specifications of the above equipment is attached.
2. Copy of the technical compliance sheet should be attached with technical bid.
3. This inquiry calls quotation for the above equipment without Application Fee. Earnest Money Deposit (EMD) @ 5% of total Bid value is required to submit in original along with Bid. Moreover, if your bid is successful and order is placed against your quotation, your firm/company will be required to submit Performance Bank Guarantee / Security Deposit (in original) of an amount equivalent to 5% of the total invoice value, in the name of the Director, ICMR-NIOH, which must be valid till 60 days beyond the warranty period.
4. Your offer should contain our inquiry number.
5. Documents in support of MSME/MII/NSIC/GST/PAN etc. should be attached. A Self Declaration in respect of last 3 years turnover and solvency should be attached. Certificate by CA is preferred. Relaxation and benefits to MSMEs & MII (Class-I & II Local Suppliers and Non-Local Suppliers - as defined in Make-in-India policy) registered with NSIC will be allowed as per Government prevailing guidelines/provisions.
6. Price must be quoted on FOR, ICMR-NIOH, Ahmedabad basis inclusive of onsite training, installation, testing and all other costs upto laboratory at the site. GST is to be shown separately.
7. The detailed circuit diagram along with trouble shooting procedure and operational manual would be provided to the ICMR-NIOH /its centre along with the equipment. Company should also furnish related documents like brochure / catalogue, specifications, technical literature, brand name, model and make etc.
8. Detailed pre-installation requirements of the equipment must be mentioned separately (if any), which should clearly mention about the scope of work, i.e. whether to be done by company or by ICMR-NIOH.
9. Offer should include the 3 Years Comprehensive Warranty plus 2 Years Non-Comprehensive Warranty. Number of free preventive visits (4 nos.) and break-down visits per year during the warranty period should be adhered. The warranty should start from the date of successful installation and demonstration of equipment. All warranty services should be attended within a maximum time of 05 days, failing which, proportionate, deductions from the security deposit may be made at the discretion of the Institute.
10. All attachment/accessories like UPS with Batteries, Computer, Laptop and Printer etc. must be included in the warranty and AMC/CAMC. No separate cost for maintenance will be paid by ICMR-NIOH and it will be the responsibility of supplier to make it repaired, if such accessories/parts/attachments go out of order.



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11. After a total 5 years warranty, the Director, if required, may put the equipment under AMC/CAMC, for which a separate work order will be released. However, the year-wise schedule of AMC and CAMC for next 10 years subsequent to 5 years warranty period must be attached with the offer.
12. Spares/Parts of the offered product must be made available in case of need for a period of at least 10 years. A discount rate (in percentage) on pricelist of the spares/parts/consumables to be offered in future should be mentioned in the offer.
13. Deviation of any kind whether technical or commercial will lead to disqualification of the offer / bid, straight forward. No representation will be entertained.
14. Bid / Offer should contain all duly filled in and signed & stamped all 6 Annexures as provided with the inquiry letter.
15. Preference shall be given to MSME, MII (Class-I & II Local Suppliers and Non-Local Suppliers - as defined in Make-in-India policy) and Start up bidders as per GOI norms.
16. 'Land Boarder Sharing Certificate' (annexure-6) should be submitted by the OEM/Bidder.
17. Optional accessories/parts/spares offered by the company, if any, must be quoted separately. Such items must not be included in the price of main equipment. Only essential accessories / parts / spares as per Technical Specifications must be quoted along with the main equipment.
18. No advance payment allowed under any circumstances. The supplier should furnish bank details along with the invoice for payment purpose.
19. Contact details i.e. phone/fax/email etc. of Technical Personnel for any technical assistant and that of Office Personnel for any administrative / financial issues & assistance.
20. The price should be valid for minimum 180 days from the date of submission of Proforma Invoice / Quotation.
21. The delivery of equipment should be made within 15 days from the date of placement of order. Installation, onsite training and demonstration etc must also be done immediately after delivery. ICMR-NIOH does not allow any part shipment. In case of delay in delivery beyond the stipulated period. Liquidated Damages (LD) @ 0.5% of the Contract value per week or part thereof, subject to a maximum of 10% of the total contract value, will be levied.
22. 0.5% of FOB / Purchase Cost as penalty per week till the warranty period, if the instrument remains in non-working condition for more than 15 days maximum 10% of purchase cost. When the equipment is under warranty / comprehensive maintenance, it would be the responsibility of the manufacturer / dealer / agent to procure spare parts and ICMRNIOH will not incur any expense on duty or any other taxes or handling charges.
23. Any dispute arising out of or in connection with this contract shall be settled amicably between the parties. If no amicable settlement is reached, the dispute shall be referred to arbitration in accordance with the provisions of the Arbitration and Conciliation Act,



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1996. Legal jurisdiction for all disputes shall be within the purview of the court at Ahmedabad City only.

24. Sub-contracting is generally not permitted without the prior written approval of the procuring entity. (in case of service).
25. All aspects of this procurement shall be governed by the General Financial Rules (GFR) 2017 and other applicable Government of India rules and regulations.
26. For any valid query, email ID is store-nioh@gov.in
27. The Director, ICMR-NIOH, Ahmedabad reserves the right to modify the required quantity of the equipment, terms & conditions of the inquiry and cancel the purchase order without assigning any reason, before the delivery of the material.
28. Supply Locations of Laboratories / Centres of ICMR-NIOH are given below:

- (i) The Director,
ICMR-National Institute of Occupational Health,

Nr. Raksha Shakti University, Meghaninagar, Ahmedabad – 380016.

Ph. : 079-22688700, 22686351, 22686359, Fax:079-22686110.

रुक्षणा
09/10/25
(Rukshana Ghanchi)

Section . Officer, Store Section
ICMR-NIOH, Ahmedabad



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TABLE 1: Details about Company, Clients, EMD & Product
(To be attached with technical bid only)

Sr.	Particulars	Description / Annexure / Page No.
1	Generic Name of Equipment with Quantity (As per Inquiry Letter)	Generic Name:..... Qty
2	Make & Model	
3	Country of Origin	
4	Technical Compliance Sheet (to be attached)	
5	If exempted from EMD, please provide details of valid NSIC/MSME Certificate	
6	A list of customers/ clients to whom the same make equipment /model/ spares has been supplied by the company during last 3 years should be provided. Preferably the list of clients from any ICMR Institute, Central /State Govt. Enterprise, Govt. Hospitals, Govt. Colleges / University departments / accredited Indian laboratories etc. Copies of supply orders and contact details of those customers should also be given. At least 5 installations at the accredited Indian Labs along with the Performance certificate to be enclosed along	
7	General Details of Local Office / Authorized Dealer Name : Address: Phone & Fax: Email : Website : PAN	

मेघानगर, अहमदाबाद
गुजरात- 380016
Meghanagar, Ahmedabad
Gujarat-380016, India

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8	Bank Details of Local Office / Authorized Dealer A/c. Holder Name : Bank & Branch : Address with Phone, Fax & Email : Account No.: IFSC Code:	
9	In case of authorized dealer / distributor, a letter of authorization from principal company	
10	Whether spares and consumables will be available for a period of minimum 10 years? Undertaking is to be submitted by the company	
11	Contact details of executive / administrative / marketing personnel from local office/dealer Name : Ms./Mr. Address: Phone & Fax : Email :	



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12	Contact details of technical person / company's engineer from local office/dealer Name : Address: Phone & Fax: Email :	
13	Fall Clause Notice Certificate (Annexure-I)	
14	Declaration cum Undertaking (Annexure-II)	
15	Bid Security Declaration Form (Annexure-III)	

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Gujarat-380016, India

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16	Details of year-wise AMC / CAMC for 10 years (after completion of 2 years comprehensive and 1 years non-comprehensive warranty) (Annexure-IV)	
17	Details of year-wise AMC / CAMC for 10 years (after completion of 2 years comprehensive and 1 years non-comprehensive warranty) (Annexure-IV)	
18	Installation, Warranty & Supply of Parts / Spares (Annexure-V)	

Signature with Seal of the Bidder

Date:

Place:



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Annexure-I

FALL CLAUSE NOTICE CERTIFICATE

(To be attached with technical bid only)

This is to certify, that we have offered the maximum possible discount to you in our Quotation No. _____ dated _____.

The prices charged for the services offered / stores supplied under contract will under no event be higher than lowest prices at which our company offers/sells the items of identical description to any other Government Organization/PSU's/Autonomous bodies/Laboratories/Universities during the period of contract failing which the "FALL CLAUSE" will be applicable.

We understand that in case, if the price charged / discount offered by our company/firm is more than any other Govt. Institutes / PSUs / Autonomous Bodies / any other government organization, the ICMR-NIOH will have the right to recover the excess charged from Security Deposit / Performance Bank Guarantee of the supplier and in case if such recovery cannot be made, appropriate action will be taken against the supplier including deregistering them, suspending business deals with them, debarring them for two years from participating against the tender enquiry floated by concerned purchase organization etc.

Further, we undertake that we have read all terms and conditions and abide ourselves thereto as stated in the Inquiry Letter No. _____ dated s _____ for supply of _____ at ICMR-NIOH, Ahmedabad.

Date:

Place:

Signature with Seal of the Bidder

Note: This letter should be printed on the letterhead of the company / firm and should be signed by a person competent and having the power of attorney to bind the same.

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Annexure-II

DECLARATION CUM UNDERTAKING

(To be attached with technical bid only)

I, Ms./Mrs./Mr. _____ designation _____ (at the firm)
of M/s. _____ declare that I have gone through all
the Terms & Conditions contained in the Inquiry Letter No. _____

d a t e d f o r s u p p l y o f l a b o r a t o r y e q u i p m e n t
a t ICMR-NIOH, Ahmedabad / ROHC(S), Bangalore and all terms and conditions are
acceptable to this company / firm. I declare and undertake that this company does not have
any terms and conditions of its own in respect of quotation being submitted for supply of
equipment, buyback offer and AMC etc. I further certify that I am an authorized signatory of
our company and am, therefore, competent to make this declaration.

I undertake that the information provided in the offer are true and correct to the best of our
knowledge and belief. I understand that in case any information is found incorrect and/or false
at a later stage, ICMR-NIOH can terminate the contract and also can blacklist and/or take legal
action, if any, against the firm as the Institute may deem fit and will not have any deal with
Institute (ICMR-NIOH and its centres) and council (ICMR) in future.

Further, I undertake that the firm has not been black listed / banned / debarred by any Govt.
Institute/Autonomous body/PSU/Universities/Hospitals/Laboratories etc. No such cases of any
inquiry are pending against our firm.

So far as the rates and discount are concerned, I undertake that the firm has not offered less
prices/rates and/or higher discount to any other Govt. Department / PSUs / Laboratories /
Universities / Hospitals / Research Institutes etc. than that quoted to ICMR-NIOH, Ahmedabad.

Date: _____ (Signature with stamp of the company)
Place: _____



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Note: This letter should be printed on the letterhead of the company / firm and should be signed by a person competent and having the power of attorney to bind the same.

Annexure-III

BID SECURITY DECLARATION FORM

Date: _____
No. _____

Tender

To
The Director-in-charge
ICMR-National Institute of Occupational Health
Meghani Nagar,
Ahmedabad-380016

I/We, the undersigned, declare that;

I/We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am/We are in a breach of any obligations under the bid conditions, because, I/We

a) Have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

b) Having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the instructions of Bidders.

I/We understand this Bid Security Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed _____ : (Insert signature of person whose name and capacity are shown)

In the capacity of _____ (Insert legal capacity of person signing the Bid Security Declaration)

Name _____ : (Insert complete name of person signing the Bid Security Declaration)

duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on _____ day of _____ (Insert date of signing)

Corporate Seal (where appropriate)

(Note: in case of a Joint Venture, the Bid Security Declaration must be in the name of all partners to the Joint Venture that submits bid)

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Annexure-IV

Details of year-wise AMC / CAMC for 10 years (after completion of 3 years comprehensive and 2 years' non-comprehensive warranty)

Annual Maintenance Charges (AMC):

Sr.	Year	AMC charges in (Per Unit)	GST@____% (Per Unit)	Total Amt. (Per Unit)
1	6 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
2	7 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
3	8 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
4	9 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
5	10 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
6	11 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
7	12 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
8	13 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
9	14 th Year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
10	15 th Year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)

Comprehensive Annual Maintenance Charges (CAMC):

Sr.	Year	AMC charges in (Per Unit)	GST@____% (Per Unit)	Total Amt. (Per Unit)
1	6 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
2	7 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)
3	8 th year	Rs. (Per Unit)	Rs.	Rs. (Per Unit)



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4	9 th year	Rs.	(Per Unit)	Rs.	Rs.	(Per Unit)
5	10 th year	Rs.	(Per Unit)	Rs.	Rs.	(Per Unit)
6	11 th year	Rs.	(Per Unit)	Rs.	Rs.	(Per Unit)
7	12 th year	Rs.	(Per Unit)	Rs.	Rs.	(Per Unit)
8	13 th year	Rs.	(Per Unit)	Rs.	Rs.	(Per Unit)
9	14 th Year	Rs.	(Per Unit)	Rs.	Rs.	(Per Unit)
10	15 th Year	Rs.	(Per Unit)	Rs.	Rs.	(Per Unit)

*The number of visits to be made in a year is **minimum four (04) preventive maintenance visits** and all break-down visits in AMC / CMC.*

Date :

(Signature with stamp of the company)

Place :

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Meghaninagar, Ahmedabad
Gujarat-380016, India

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Annexure-V

Installation/ Warranty and supply of parts

Sr No.	Particulars	Description / Annexure / Page No.
1	(i) Free Comprehensive warranty	
	(ii) Number of Preventive Maintenance Visits per year during FREE Comprehensive Warranty	
2	(i) Free Non-Comprehensive warranty/Service	
	(ii) Number of Preventive Maintenance Visits per year during FREE Non-Comprehensive Warranty/Service	
3	Discount offered by the company on the spares/parts/kits/consumables/attachments etc. in case of future need for the period of minimum 10 years after supply of equipment (In Percentage)	
4	Whether any pre-installation requirements are needed? (Yes/No) Note: Pre-Installation requirements must be provided with the offer, clearly stating the scope of work.	
5	Whether the list of items/parts/spares covered under comprehensive warranty is submitted (Yes/No)	

Date:

(Signature with stamp of the Company)

Place:



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Annexure-VI

LAND BORDER DECLARATION CERTIFICATE

Restrictions on procurement from Bidders from a country or countries, or a class of countries

under Rule 144(xi) of the General Financial Rules 2017.

Tender Document

No: _____

Bidder's Name: _____ (Bidder
Address & contact details)

Bidder's Reference No. _____

Date: _____

Restrictions on procurement from Bidders from a country or countries, or a class of countries
under Rule 144(xi) of the General Financial Rules 2017.

"We have read the clause regarding restrictions on procurement from a Bidder of a country which
shares a land border

with India; and solemnly certify that we are not from such a country or, if from such a country, we
are registered with the

Competent Authority (copy enclosed). We hereby certify that we fulfill all requirements in this
regard and are eligible to

be considered."

Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed
and also undertake to

advise any future changes to the above details. We understand that any wrong or misleading
self-declaration by us would

be violation of Code of integrity and would attract penalties as mentioned in this tender
document, including debarment.

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(Signature with date)

(Name and designation)

Duly authorized to sign Bid for and on behalf of

(Name & address of the Bidder and Seal of Company)



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Technical Specifications:

Sr No	Features	Specifications
1	Pump	<p>Configuration & Gradient Control</p> <ul style="list-style-type: none">• Quaternary gradient pump for precise, pulse-free solvent delivery.• Four (4) solvent channels with integrated dynamic mixer for consistent gradients. <p>Flow Rate & Precision</p> <ul style="list-style-type: none">• Flow range: 0.001–10.0 mL/min, in 0.001 mL/min increments or better.• Flow precision [Relative standard deviation (RSD)]: 0.08% or better• Flow accuracy: $\pm 1\%$ or better across the specified flow range. <p>Pressure & Pulsation</p> <ul style="list-style-type: none">• Operating pressure range: 0 to 600 bar (~ 0 to 8,700 psi) or better across full flow range.• Pressure pulsation: $< 2\%$ amplitude or better for a stable baseline. <p>pH & Chemical Compatibility</p> <ul style="list-style-type: none">• pH range: 1.0–12.5 or better.• Wetted materials compatible with common HPLC solvents, buffers, and additives. <p>Degassing & Delay Volume</p> <ul style="list-style-type: none">• Integrated degassing for at least four (4) channels.• Delay volume: $\leq 1200 \mu\text{L}$ or better to ensure minimal dwell time. <p>Maintenance & Safety</p> <ul style="list-style-type: none">• Active seal wash/rinse for high-salt/buffer applications.• Automated priming (wet prime) to remove air.• Built-in leak sensors with automated shutdown/alert.• Automatic compressibility compensation for solvent properties.
2	Auto sampler	<p>Injection Volume & Capacity</p> <ul style="list-style-type: none">• Volume range: 0.1–100 μL, adjustable in 0.1 μL increments or better.• 100 sample positions or more with 1 ml vial capacity. <p>Temperature Control</p>

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		<ul style="list-style-type: none"> • 4 °C–40 °C (or better) with active cooling and heating for sample protection. <p>Carryover & Performance</p> <ul style="list-style-type: none"> • Carryover: 0.0005% or better. • Injection precision: 0.25% RSD or better. • Injection cycle time: 30 seconds or better. • Injection volume accuracy: ±1% or better <p>Advanced Features</p> <ul style="list-style-type: none"> • Provided with auto-dilution and premixing features. • Provided with flexible needle-rinsing programs (multiple solvents, external needle wash).
3	Column oven	<p>Temperature Range & Control</p> <ul style="list-style-type: none"> • Capable of both heating and cooling for thermo-labile samples. • Temperature range: +20 °C to +80 °C (or better), in 1 °C increments. • Temperature accuracy: ± 1°C or better. • Temperature precision: ±0.5°C or better. <p>Capacity</p> <ul style="list-style-type: none"> • Accommodates a minimum of two (2) columns, each 300 mm in length. <p>Leak Detection & Safety</p> <ul style="list-style-type: none"> • Integrated leak sensor with automatic alerts or shutdown.
4	Detector	<p>UV detector</p> <p>Light Source & Range</p> <ul style="list-style-type: none"> • Deuterium lamp for stable UV detection. • Wavelength range: 190 – 600 nm or better. <p>Wavelength Accuracy, Precision & Calibration</p> <ul style="list-style-type: none"> • Wavelength accuracy: ±1 nm or better. • Wavelength precision: ± 0.1 nm or better. • Automated wavelength calibration with internal standards. <p>Flow Cell</p> <ul style="list-style-type: none"> • Standard 10 mm path length. • Upgradable to semi-micro or micro flow cells. <p>Performance</p> <ul style="list-style-type: none"> • Noise: 5×10^{-6} Absorbance units (AU) or better. • Drift: 1×10^{-4} AU/hour or better. <p>Detection & Performance</p> <ul style="list-style-type: none"> • Detection type: Double-beam photometer. • Number of signals: Single & Dual Wavelength detection. • Data acquisition rate: 80 Hz or better for fast, programmable single-wavelength detection.



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		<ul style="list-style-type: none"> Spectral tools: Stop-flow wavelength scan for precise wavelength optimization. <p>Photo Diode Array (PDA) detector</p> <p>Light Sources & Range</p> <ul style="list-style-type: none"> Dual light source (Deuterium & Tungsten) covering 190–800 nm or broader. <p>Wavelength Accuracy, Precision & Calibration</p> <ul style="list-style-type: none"> Wavelength accuracy: ± 1 nm or better. Wavelength precision: ± 0.1 nm or better. Automated wavelength calibration at four (4) or more points. <p>Flow Cell</p> <ul style="list-style-type: none"> Standard 10 mm path length. Upgradable to semi-micro or micro flow cells. <p>Performance</p> <ul style="list-style-type: none"> Noise: 0.75×10^{-5} Absorbance units (AU) or better. Drift: 1×10^{-3} AU/hour or better.
5	Chromatography software	<p>Operating Environment & Integration</p> <ul style="list-style-type: none"> Runs on Windows 11 Professional (64-bit) Exports data to standard document and image formats (Excel, Word, PDF, PNG, JPG, etc.). Capable of linking with Laboratory Information Management Systems (LIMS) /data management systems. Supplied with a valid, original, and licensed version of the software from the Original Equipment Manufacturer (OEM). <p>System Control & Data Acquisition</p> <ul style="list-style-type: none"> Full control of all HPLC modules (pump, auto sampler, oven, detectors). Real-time acquisition, automated post-run analysis, and multi-level calibration. Advanced time-programming, sample scheduling, and background monitoring. <p>Data Processing & Reporting</p> <ul style="list-style-type: none"> Standard quantitative calculations (peak area, retention time, concentration). Custom calculation options (peak smoothing, baseline subtraction). Configurable reports with tables and graphics. <p>Advanced Spectral Features</p> <ul style="list-style-type: none"> Handles 3D Photodiode Array (PDA) data (contour plots, peak purity checks). <p>Regulatory Compliance & Security</p>



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		<ul style="list-style-type: none">GLP/GMP and 21 Code of Federal Regulations (CFR) Part 11 compliance (secure user management, electronic signatures, audit trail).Data locking post-review/approval. Maintenance & Future-Proofing <ul style="list-style-type: none">Tracks consumable usage (lamp hours, seals) and schedules maintenance.Modular design for future upgrades (additional detectors, extended data handling).Readily upgradeable/interfaced for future integration with a mass spectrometer (MS).
6	Analytical column	Analytical Column (C18) <ul style="list-style-type: none">Dimensions: 250 × 4.6 mm internal diameter (ID), 5 µm particle size.Quantity: 1 Analytical Column (C8) <ul style="list-style-type: none">Dimensions: 250 × 4.6 mm (ID), 5 µm particle size.Quantity: 1 Guard Columns (RP-8 or equivalent) <ul style="list-style-type: none">Dimensions: 4 mm (L) × 3.0 mm (ID).Quantity: 1
7	Computer & printer	Processor & Memory <ul style="list-style-type: none">All-in-One Device featuring a factory-tested Intel® Core™ i7 processor (or better) and 16 GB of upgradeable RAM.1 TB SSD.Compatibility with secure cloud storage solutions for scalable and reliable data backup. Operating System & Monitor <ul style="list-style-type: none">Pre-installed with Windows 11 Professional (64-bit) and a licensed Microsoft Office suite.Includes a minimum 27-inch monitor with Full HD (1920×1080) resolution or higher Printer & Connectivity <ul style="list-style-type: none">Black and white laser printer with both Ethernet and Wi-Fi connectivity options.At least four USB 3.0 (or higher) ports and a 1 Gbps Ethernet port
8	Online UPS	<ul style="list-style-type: none">Maintenance-free online UPS (≥5 kVA) with a suitable number of batteries to provide ≥1-hour backup for the entire HPLC system, including PC and printer.
9	Instrument performance & Demonstration	Installation & Demonstration <ul style="list-style-type: none">On-site installation and demonstration of all performance specs.



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		<ul style="list-style-type: none">Detailed orientation on correct operation and best practices.
10	Installation Qualification / Operational Qualification (IQ/OQ)	IQ/OQ Documentation <ul style="list-style-type: none">Supply full IQ/OQ documentation for both instrument and software.Execute IQ/OQ processes on-site with all required consumables and materials, to be supplied by the vendor.
11	Spare availability	<ul style="list-style-type: none">Guaranteed availability of spare parts and services for ≥ 10 years from installation.System should remain maintainable for up to 10 years with original or equivalent parts.
12	Warranty & After-Sales Support	Warranty (covering all HPLC modules, PC, printer, and UPS) <ul style="list-style-type: none">As per ICMR tender specifications AMC/CMC <ul style="list-style-type: none">As per ICMR tender specifications
13	Consumables	<ul style="list-style-type: none">Mobile phase bottles with caps - 4 nos.Auto sampler Screw Cap Vials (1.0 ml) - 500 nosAuto sampler Amber Vials (1.0 ml) - 50 nosSyringe Filters (0.45 micrometer - PTFE Filter) - 500 nosHPLC Syringe & needle (10 μl, 100 μl) - 5 nosPTFE Frits - 5 nosUnion - 1 nosCaffeine Standard Kit - 1 nos
14	Training	On-Site Training: <ul style="list-style-type: none">On-site training covering operation, software usage, troubleshooting, and maintenance.At least 2 scientists and 2 staff members trained at no extra cost.