

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029

Dated 19.06.2026

The First Secretary
Embassy of India
Switzerland, Berne

Subject: Advertisement for Purchase installation & commissioning of following equipment for AIIMS, Campus, New Delhi, INDIA

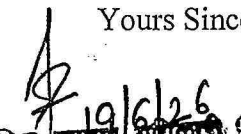
Dear Sir,

As per OM dated 14/03/2022 issued by Competent Authority, AIIMS, 'Global Tender' for equipment are Various equipment are being floated with view to avail the possibility of purchasing the latest model available in the International Market. In order to ensure that Global Tenders receive widest possible publicity in the International Market, and to create a good competition, I am directed to approach you to kindly arrange the publication of this tender in some of the leading National Dailies in the country/area of your operations and for the sale of the tenders through your good offices on our behalf there. Soft copy of Tender enquiry document are available on website: www.aiims.edu, www.aiims.ac.in, & www.tenders.gov.in for further details of these tenders:

Sl. No.	Tender Number	Item Name		EMD in INR
1.	XX-44/SO(DO)/Rheumat./2026-27/M&E	Fully Automated Nephelometer Analyzer	As per specs.	1,30,000/-
2.	XX-46/SO(DO)/Ortho/2026-27/M&E	Comprehensive Drill, Saw & reamer System	As per specs.	4,00,000/-
3.	XX-47/SO(DO)/E.M./26-27/M&E	Supply, Installation, Commissioning and Maintaining the Fully Automated Integrated Immunoassay and Clinical Chemistry Analyzer on reagent rental basis	As per specs.	6,00,000/-
4.	XX-45/SO(DO)/PCCSM/26-27/M&E	Ultra-thin Bronchoscope	As per specs.	40,000/-
5.	XX-42/SO(DO)/Biophy./2026-27/M&E	Bio-Layer Interferometry	As per specs.	6,00,000/-

Earnest Money Deposit/ Bid Security should be submitted mentioned as above (payable in favour of "AIIMS MAIN GRANT", AIIMS., New Delhi. The Bid Security is refundable after finalization of the tender. Furthers, it is requested that suitable advertisement may kindly be arranged at your end.

Yours Sincerely.


Sr. Store Officer (DO)
अ.भा.आ.स. अंसारी नगर
A.I.I.M.S., Ansari Nagar
नई दिल्ली-29 / New Delhi-29

Encl: As above.

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



Advertised Tender Enquiry No.: XX-44/SO(DO)/Rheum./2026- 27/M&E

**Brief Description of Goods : Purchase of Fully Automated
Nephelometer Analyzer – 01 No.**

SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDERS ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : XX-44/SO(DO)/Rheum./2026-27/M&E

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD
1.	Purchase of Fully Automated Nephelometer Analyzer	01 No.	INR Rs. 1,30,000/-

CRITICAL DATE SHEET

Published Date & Time	18-06-2026 at 04.00 pm
Bid Document Download/Sale Start Date	18-06-2026 at 04.00 pm
Seek Clarification Start Date	18-06-2026 at 04.00 pm
Seek Clarification End Date	24-06-2026 at 04.00 pm
Pre Bid Meeting	Already done
Pre Bid Meeting Place & Address	NA
Bid Submission Start Date & Time	01-07-2026 at 04.00 pm
Bid Submission End Date & Time	20-07-2026 (Monday) at 03.00 pm
Bid Opening Date & Time	21-07-2026 (Tuesday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:

<https://eprocure.gov.in/eprocure/app>

2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/ modifications in the Tender Enquiry Document.

6. Intending bidder are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of bid, for any corrigendum.

7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Sr. Stores Officer, Store Section (DO), 1st floor, Animal House Building(Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Name of Equipment	Consignee	Quantity per Deptt. (No.)	Total Quantity per Schedule (No.)	Warranty Period	CAMC period after warranty
1	Fully Automated Nephelometer Analyzer	Department of Rheumatology	01	01	02 year	08 year

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

180 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date by when it is to be delivered at consignee site. Bidders may quote earliest delivery period.

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

180 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Bidders may quote the earliest delivery period).

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

For delayed delivery and/or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13.

Part IV: Turnkey Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details mentioned in technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance.

Comprehensive Annual Maintenance Contract (CAMC) as per details in Technical Specification as specified in part I above. Comprehensive Annual Maintenance Contract (CAMC) will start from the date of successful completion of warranty period.

Required Terms of Delivery and Destination.

a) For Indigenous goods or for imported goods if supplied from India:

Free Delivery at Consignee's Site(s)

b) For Imported goods directly from abroad:

The foreign bidders are required to quote their rates on CIP (Named Port of Destination Basis) giving breakup of the price as per the Performa prescribed in the Price Schedule. Purchaser will place the order on CIP (Named Port of Destination basis).

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Technical specifications of Nephelometer for Clinical Immunology Lab under Department of Rheumatology.

S. No.	Specification for Nephelometer for Clinical Immunology Laboratory.
1.	System should be Fully Automated Random Access Nephelometer for the determination of Proteins in Serum, Plasma, CSF and Urine.
2.	System should have facility to directly load the vacutainers (bar-coded or uncoded tubes). There should not be need for transferring serum from vacutainers to another sample cup to avoid any manual error.
3	System should have capacity of storing all the required reagents and controls on-board in refrigerated/cooled condition to ensure reagent stability. It should have automated reagent cap-opener to prevent evaporation of reagents.
4	System should have light source as Laser/ LED with > 800 nm.
5	System should have measuring mode of Endpoint, V-Lin Integral & Fixed Time kinetic.
6	System should be able to have at least 40 samples on-board with continuous loading and off-loading facility.
7	System should have a minimum capacity of storing upto 25 assay reagents on-board with reagent compartment.
8	System should have a facility to store minimum 6 different controls.
9	System should have throughput of 60 test/Hour.
10	System should have an extensive Quality Control program with the feature to generate Levy-Jennings plots as well as other graphical quality control plots from the stored data.
11	System should offer continuous sample loading & STAT analytical capability at any available random sample position.
12	System should have a capacity of loading minimum 60 cuvettes on-board.
13	System should have positive barcode identification for Standard and Control vials, as well as reagents loaded on-board for identifying the expiry date of standard, controls and reagent kept in the machine by bar codes.
14	System should be able to process following parameters: Rheumatoid factor(RF), hs-CRP,

	Complement proteins C3, C4, C1 esterase inhibitor, IgA, IgM, IgE, IgG and IgG subclass 4, Ferritin, Fibrinogen and Myoglobin.					
15	Price per unit test, lot size and price of per pack with GST %age for following test reagents also needs to be quoted (approximate annual requirement is also given. However, number may vary up to any extent). Price for the following tests will be fixed for 10 years.					
	Sr. No	Test	Number of tests per annum	Mention on cost per unit test	Mention reagent lot size	Price of per pack with GST %age
	1.	Rheumatoid Factor (RF)	7000			
	2.	hs-CRP	6000			
	3.	C3 (Complement protein)	2000			
	4.	C4 (Complement protein)	2000			
	5.	IgG	1500			
	6.	IgA	1500			
	7.	IgM	1500			
	8.	IgE	600			
	9.	Ferritin	1200			
	10.	IgG4	300			
	11.	C1 esterase inhibitor	200			
	12.	Fibrinogen	500			
	13.	Myoglobin	500			
16	System should be able to perform Multipoint calibration using a Single Standard. The system should be able to store calibration curves for upto 2 different Reagent Lots and upto 2 curves for different lots.					
17	System should have liquid level sensors and alarm system for samples, reagents and external consumables like the buffer, diluents, wash solution, water and waste container.					
18	System should have probe with pre-heater (for reagent preheating) and mixer for efficient reagent & sample delivery and mixing of reaction components.					

19	System should be able to perform automatic dilutions of sample from 1:1 to 1:32,000 for samples to perform assay. System should permit setting up of dilutions range of any particular tests within this permitted range. In rare circumstance of any need for dilution beyond 1:32000, system should have option of manual dilutions using diluents.
20	System should be USFDA/CE European certified. The bidder must submit a valid CDSCO/State Licensing Authority license for the quoted medical device, as mandated under the Medical Devices Rules, 2017
21	A] The system should be equipped with compatible control software for integration/interfacing with LIS/HIS of AIIMS, New Delhi along with a branded computer workstation of suitable configuration and a color laser printer. B] The system should have the capacity of bidirectional host interface. C] System should be able to transfer the test results directly to LIS/HIS to avoid any manual error of entering the result by any person. D] Successful integration/interfacing of system with LIS/HIS of AIIMS will be sole responsibility of vendor firm without which payment will not be released.
22	System should be quoted with a 02 years complete comprehensive cover warranty and additional 08 years CMC, AMC as per AIIMS norms. All upgradation of software and hardware of system/machine should be provided by the vendor on free of cost basis during warranty and CMC period i.e 10 years.
23	In case of breakdown of instrument/system, vendor firm should get the repairing done within 48 hours. In the case of non-compliance, it will be responsibility of vendor firm to get all the parameters of samples tested on their own cost from a standard lab to avoid hampering the patient care.
24	Vendor firm should provide free of cost training of running the system to Doctors and technical staffs of the department on as and when basis.
25	Vendor firm should have at least 5 years experience of installation and uninterrupted functioning of fully automated nephelometer system in reputed government/semi government institutions. Proof of this need to be submitted.
26	The vendor shall provide strong service and application support, with adequate back up instruments to ensure effective application-related trouble shooting, and resolution within a response time of less than 24 hours. If equipment maintenance requires more time, all patient samples shall be processed through an NABL accredited laboratory, without any financial implication to the institute, until the equipment is functional, so as to ensure that patient services are not hampered under any circumstances.
27	Maintenance of the system should be done periodically and a calibration certificate should be provided as per NABL guidelines without any additional financial implications

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



शरीरमाद्यं रक्तु धर्मसाधनम्

Advertised Tender Enquiry No.: XX-46/SO(DO)/Ortho/2026- 27/M&E

Brief Description of Goods

**: Purchase of Comprehensive Drill, Saw &
reamer System - 03 Nos.**

SECTION-I



ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDERS ENQUIRY DOCUMENTS (TED)

Advertised Tender Enquiry No : XX-46/SO(DO)/Ortho/2026-27/M&E

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD
1.	Purchase of Comprehensive Drill, Saw & reamer System	03 Nos.	INR Rs. 4,00,000/-

CRITICAL DATE SHEET

Published Date & Time	18-06-2026 at 06.00 pm
Bid Document Download/Sale Start Date	18-06-2026 at 06.00 pm
Seek Clarification Start Date	18-06-2026 at 06.00 pm
Seek Clarification End Date	24-06-2026 at 04.00 pm
Pre Bid Meeting	29-06-2026 at 04.00 pm
Pre Bid Meeting Place & Address	Department of Orthopaedics, Room No. 5038, 5 th Floor, Teaching Block, AIIMS, New Delhi
Bid Submission Start Date & Time	09-07-2026 at 04.00 pm
Bid Submission End Date & Time	23-07-2026 (Thursday) at 03.00 pm
Bid Opening Date & Time	24-07-2026 (Friday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:

<https://eprocure.gov.in/eprocure/app>

2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/ modifications in the Tender Enquiry Document.

6. Intending bidder are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of bid, for any corrigendum.

7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Sr. Stores Officer, Store Section (DO), 1st floor, Animal House Building(Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Name of Equipment	Consignee	Quantity per Deptt. (No.)	Total Quantity per Schedule (No.)	Warranty Period	CAMC period after warranty
1	Comprehensive Drill, Saw & Reamer System	Department of Orthopedics	03	03	02 year	06 year

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

180 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date by when it is to be delivered at consignee site. Bidders may quote earliest delivery period.

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

180 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Bidders may quote the earliest delivery period).

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

For delayed delivery and/or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13.

Part IV: Turnkey Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details mentioned in technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance.

Comprehensive Annual Maintenance Contract (CAMC) as per details in Technical Specification as specified in part I above. Comprehensive Annual Maintenance Contract (CAMC) will start from the date of successful completion of warranty period.

Required Terms of Delivery and Destination.

a) For Indigenous goods or for imported goods if supplied from India:

Free Delivery at Consignee's Site(s)

b) For Imported goods directly from abroad:

The foreign bidders are required to quote their rates on CIP (Named Port of Destination Basis) giving breakup of the price as per the Performa prescribed in the Price Schedule. Purchaser will place the order on CIP (Named Port of Destination basis).

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Revised Specification
Comprehensive Drill, Saw and Reamer System

The quoted equipment should be the latest model available for sale in India	
Drill and Reamer Hand piece	Three (03 Nos.)
➤	Should have dual or single trigger for forward and reverse mode
➤	Drilling Speed 800 to 1,200 rpm, Reaming Speed 260 rpm to 400 rpm
➤	Should have variable speed control on the hand piece
➤	Ream torque of 80 - 200 in/lbs
➤	Drill torque of 15 - 40 in/lbs
➤	Should have DC brushless motor for low maintenance
➤	Should be supply with appropriate adaptors for drilling, reaming and pin placement and wire placement
➤	Weight of hand piece with battery should be not more than 1.6 kg
➤	Fully Cannulated 4.0 mm hand piece
➤	Should have Pistol grip Hand piece
➤	Tool less 360° attachments insertion
➤	Should be autoclavable
Saggital Saw Hand Piece	Four (04 Nos.)
➤	Should have 10,000 to 12,000 cycles per minute
➤	Weight of hand piece with battery should be not more than 1.7 kgs
➤	Blade mount should be adjustable to different angles with 360° rotation
➤	Should have tool less mounting of accessories
➤	Should have DC brush less motor for low maintenance
➤	Should be autoclavable
➤	Should have safe mode
➤	Blade arc of excursion should be 3°- 6°
Reciprocating Saw Hand Piece	Two (02 Nos.)
➤	Should have Safe Mode
➤	Should have control Trigger with Free speed of 11,000 -14,500 cycles per minute
➤	Weight of hand piece with battery should be not more than 1.7 kg
➤	Should have DC brush less motor for low maintenance.
➤	Should have Pistol grip hand piece
➤	Should have tool less mounting of accessories for all blades or attachments
➤	Should be autoclavable.
➤	With different blades it should have minimum speed of 10,000 CPM
Drill and reaming attachments	03 Nos. (Each)
i. Drill Chuck with Key	
➤	3.0 - 3.5 mm Cannulated with Key
➤	Operating Capacity from 0.5 to 6.5 mm diameter
➤	Maximum Speed : 1,000 rpm to 1,200 rpm
➤	Torque 5-6 Nm
ii. Quick Coupling compatible with AO/ASIF type	
➤	1.8 to 2.2 Cannulation
➤	Maximum Speed : 250 rpm to 350 rpm
➤	Torque 5-6 Nm

iii.	Quick Coupling for DHS/DCS Triple Reamers	
➤	3.0 mm to 3.5 mm Cannulated	
➤	Maximum Speed 250 rpm to 350 rpm	
➤	Torque 5 Nm to 6 Nm	
iv.	Quick Coupling for Reamers Compatible with AO/ASIF type	
➤	4.0 mm Cannulation	
➤	Maximum Speed : 250 rpm to 350 rpm	
➤	Torque 13 Nm to 15 Nm	
v.	Quick Coupling for Kirschner Wires 4.0 mm	
➤	For dia (1 mm to 4 mm) for dia 2.0 mm to 4 mm for 0.6 to 2.2 mm	
➤	Maximum Speed : 1,000 rpm	
vi.	Quick Coupler for Pins	
➤	3.2 mm Cannulated	
➤	Maximum Speed : 1,000 rpm	
➤	Torque 5 Nm to 6 Nm	
vii.	Hudson Quick Coupling for Reaming and Drilling	
➤	4.0 mm Cannulation	
➤	Maximum Speed : 250-350 rpm	
➤	Torque 13-15 Nm	
viii.	Trinkle Quick Coupling, modified for Reaming and Drilling	
➤	4.0 mm Cannulation	
➤	Maximum Speed : 250-350 rpm	
➤	Torque 13-15 Nm	
ix.	Trinkle Quick Coupling for Reaming and Drilling	
➤	4.0 mm Cannulation	
➤	Maximum Speed : 250-350 rpm	
➤	Torque 13-15 Nm	
Battery Charger		Three (03 Nos.)
➤	220-240 volts	
➤	Should have capability to identify the worn out battery	
➤	Should have to charge four batteries or more at a time without any module or modification need	
➤	Should have an indicator to provide battery status for charging	
➤	Battery	
Battery Kit		Fifteen (15 Nos.)
➤	Li Ion batteries with low internal impedance to deliver higher current than other battery types,	
➤	Should be of minimum 9.6 V	
➤	Should have a run time of minimum 15 minutes	
➤	Should include Autoclavable outer housing	
➤	Shield to protect battery from the housing	
Sterilization Case with Lid		Six (06 Nos.)
Consumables		
➤	Synthetic Oil for Lubrication of Drill System	Ten (10 Nos.)
➤	Saw Blades (Assorted Sizes)	Fifty (50 Nos.) total

Terms and Conditions	
❖	The prices of all consumables and replaceable parts will be fixed for 8 years
❖	Separate pricelist of all items must be mentioned (Consumables as well as different attachments)
❖	Complete set should be quoted by the firm
❖	The latest model of the machine from the manufacturing firm should be quoted and supplied
Certification	
➤	Complete system should have US FDA certification/European CE Certificate (4 Digit notified number)/BIS Certification & for Single OEM
Service & Support	
➤	The company must have their service center in India with ability to provide service within 24 hrs notice
➤	The company must provide a loaner support in case equipment is under warranty or under CAMC (02 years Warranty + 06 years CAMC)
➤	Company has to provide training & education for equipment handling to all CSSD, Bio Medical & OT Staff
➤	Company must provide the maintenance schedule with minimum 02 onsite services in a year have with company trained engineer

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



Advertised Tender Enquiry No.: XX-47/SO(DO)/E.M./2026- 27/M&E

Brief Description of Goods

: Purchase of Supply, Installation, Commissioning and Maintaining the Fully Automated Integrated Immunoassay and Clinical Chemistry Analyzer on reagent rental basis - 01 No.

SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDERS ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : XX-47/SO(DO)/E.M./2026-27/M&E

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD
	Purchase of Supply, Installation, Commissioning and Maintaining the Fully Automated Integrated Immunoassay and Clinical Chemistry Analyzer on reagent rental basis	01 No.	INR Rs. 6,00,000/-

CRITICAL DATE SHEET

Published Date & Time	19-06-2026 at 04.00 pm
Bid Document Download/Sale Start Date	19-06-2026 at 04.00 pm
Seek Clarification Start Date	19-06-2026 at 04.00 pm
Seek Clarification End Date	26-06-2026 at 04.00 pm
Pre Bid Meeting	Already done
Pre Bid Meeting Place & Address	NA
Bid Submission Start Date & Time	03-07-2026 at 04.00 pm
Bid Submission End Date & Time	20-07-2026 (Monday) at 03.00 pm
Bid Opening Date & Time	21-07-2026 (Tuesday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:

<https://eprocure.gov.in/eprocure/app>

2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/ modifications in the Tender Enquiry Document.

6. Intending bidder are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of bid, for any corrigendum.

7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Sr. Stores Officer, Store Section (DO), 1st floor, Animal House Building(Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Name of Equipment	Consignee	Quantity per Deptt. (No.)	Total Quantity per Schedule (No.)	Warranty Period	CAMC period after warranty
1	Supply, Installation, Commissioning and Maintaining the Fully Automated Integrated Immunoassay and Clinical Chemistry Analyzer on reagent rental basis	Department of Emergency Medicine	01	01	02 year	08 year

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

180 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date by when it is to be delivered at consignee site. Bidders may quote earliest delivery period.

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

180 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Bidders may quote the earliest delivery period).

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

For delayed delivery and/or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13.

Part IV: Turnkey Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details mentioned in technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance.

Comprehensive Annual Maintenance Contract (CAMC) as per details in Technical Specification as specified in part I above. Comprehensive Annual Maintenance Contract (CAMC) will start from the date of successful completion of warranty period.

Required Terms of Delivery and Destination.

a) For Indigenous goods or for imported goods if supplied from India:

Free Delivery at Consignee's Site(s)

b) For Imported goods directly from abroad:

The foreign bidders are required to quote their rates on CIP (Named Port of Destination Basis) giving breakup of the price as per the Performa prescribed in the Price Schedule. Purchaser will place the order on CIP (Named Port of Destination basis).

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Technical Specifications

Supply, Installation, Commissioning and Maintaining the One Fully Automated, Integrated with Electrochemiluminescence Immunoassay analyzer or other Immunoassay systems on reagent rental basis.

Quantity- 01 No

1. One fully automated, integrated random access, floor model biochemistry and immunoassay analyzer. The throughput should be minimum of 600/hr for photometry, 400/hr for ISE and 100/per hour for immunoassay.
2. System should be able to use end point, kinetic, immunoturbidimetric assay and chemiluminescence and ion selective electrolyte assay with facility for therapeutic drug monitoring and drug of abuse.
3. Must be able to handle bar coded samples
4. Must be able to handle various sample types including serum, plasma etc
5. Must be able to detect lipemic, icteric, hemolysed samples which can be configurable assay specific.
6. Must have level sensing capability for probes with alarms on insufficient samples
7. Must accommodate a minimum of 55 reagents on board for chemistry, immunoassay and 3 for electrolytes. Test Menu of at least 100 assays.
8. Must have at least 10 open channels to accommodate User Defined Reagents (third party reagents).
9. Must have reagent area cooling to offer long on-board stability of reagents
10. It must be able to load reagents even while the instrument is processing samples.
11. Auto-validation should be enabled through middleware software.
12. Must have on-board quality control program (for internal QC) with the following features:
13. Must have facility for in-built (Westgard rules/LJ plots/twin plots) and customizable QC rules to define QC acceptance and rejection criteria
14. In case of violation of QC, the system should raise an alarm.
15. Must have reagent inventory management with alerts on insufficient reagents
16. Must facilitate bi-directional interfacing capability
17. Must support remote monitoring & e-service facility
18. Must support automated reflex testing (user defined – for specific assays)
19. Must have data storage of minimum of 10,000 or more patient files.
20. Must be able to perform Routine maintenance, IQC and calibrations.
21. Company should upgrade the instrument and software free of cost during the 10 years of its working.

22. LIS interfacing of the machine with existing software at AIIMS Delhi must be provided on free of cost basis.

23. **Test-Reagent:** The firm has to quote for the reagents taking into consideration of the load per annum as given in the enclosed sheet. The cost of each reagent pack is also to be given, which shall remain fixed for 10 years from the date of installation.
24. **Guarantee:** The bidder/OEM must maintain the instrument for the entire duration of the contract.
25. **CAMC:** The bidder/OEM must maintain the instrument for the entire duration of the contract.

Terms and conditions:-

1. The customer has the liberty to buy number of units depending on need as well as availability of funds at the time of purchasing.
2. The bidder, on their compliance report, has to provide compliance against each specification with clear indication of exact page number of catalogue.
3. The system must be supplied with necessary pre-requisites and startup kits free of cost with required calibrators and controls.
4. At least two installations with the same specifications as asked in this tender and their satisfactory functioning certificate minimum for one years from Government hospitals/NABL certified labs especially from the HOD or in-charge of the lab must be furnished in the technical bid.
5. On-site demonstration of equipment of equivalent specifications preferably in Delhi and NCR, if required, will be undertaken.
6. The vendor has to provide 24/7 on-site support
7. There should not be a downtime beyond 0.5%. In case of the downtime increased beyond 0.5% a penalty will be imposed on the vendor/firm as per AIIMS, New Delhi policy.

II. Requirements for Price bid:

The bidder is to quote the followings against the approximate annual workload given below.

Sr. no.	TESTS	Load annum (Approx.)	REAGENTS				
			Reagent cost for the Annual load	Reagent cost for 10 years	Pack size (in ml)	Cost of Reagent Pack	No of tests per pack
1.	Glucose	10000 Tests					
2.	Urea	10000 Tests					
3.	Creatinine	10000 Tests					
4.	Calcium	10000 Tests					
5.	Phosphorus	1000 Tests					
6.	Uric Acid	1000 Tests					
7.	Bilirubin (Total)	10000 Tests					
8.	Bilirubin (Direct)	10000 Tests					
9.	Total Protein	10000 Tests					

10.	Albumin	1000 Tests					
11.	SGOT	10000 Tests					
12.	SGPT	10000 Tests					
13.	Alkaline Phosphatase	10000 Tests					
14.	ISE (Na, K, Cl)	5000 Tests					
15.	Amylase	1000 Tests					
16.	CSF Protein	1000 Tests					
17.	Total Cholesterol	1000 Tests					
18.	Lipase	1000 tests					
19.	CPK	5000 Tests					
20.	TSH	2000 Tests					
21.	Cortisol	100 Tests					
22.	hs-CRP	1000 Tests					
23.	NT-ProBNP or BNP (The cost will be fixed for 10 years)	1000 Tests					
24.	Procalcitonin	1000 Tests					
25.	Lactate	1000 Tests					
26.	Ammonia	500 tests					
27.	Magnesium	500 tests					
28.	D-Dimer (Optional parameters. The rate must be freeze for 10 years.)	1000 Tests					
29.	Anti-HBs (Optional parameters. The rate must be freeze for 10 years.)	500 tests					
30.	Beta hCG	100 tests					
31.	Beta-hydroxybutyrate (Optional parameters. The rate must be freeze for 10 years.)	500 tests					
32.	hs-Troponin I	1000 tests					

Note:

1. The annual load is approximate. There is no obligation on the part of AIIMS to buy the specified amount of reagents for the load. The above-mentioned number of tests is only for comparative purposes for price bid evaluation. The department reserves the right to purchase increase/decrease quantities of consumables and kits.
2. The calibrator and controls should cover all investigations mentioned above. Certificate of Traceability for calibrators, traceable to national/international reference standards to be submitted by the vendor.

3. The bidder should quote for all reagents and consumables mentioned in the Table, as per annual load and 10 year load.
4. Cost/reagent pack as mentioned in the table will be frozen for 10 years from the date of satisfactory functioning of the system.
5. Detailed annexure to be attached in the price. For calculation of the cost of controls for it may be assumed that controls of all levels (two) will be run three times in a 24 hour period and the calibration frequency will be as per the manufacturer recommendation. The bidder must provide a letter regarding the schedule of calibration on the letter head OEM.
6. Any other essential consumables for running the test e.g. wash solution, buffer solution etc. for each test must be also quoted.

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



शरीरमाद्यं रक्तु धर्मसाधनम्

Advertised Tender Enquiry No.: XX-45/SO(DO)/PCCSM/2026-27/M&E

Brief Description of Goods : **Purchase of Ultra-thin Bronchoscope
- 01 No.**

SECTION-I



ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDER ENQUIRY DOCUMENTS (TED)

Advertised Tender Enquiry No : **XX-45/SO(DO)/PCCSM/26-27/M&E**

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD (in Rs.)
1.	Purchase of Ultra-thin Bronchoscope	01 No.	INR Rs. 40,000/-

CRITICAL DATE SHEET

Published Date & Time	19-06-2026 at 04.00 pm
Bid Document Download/Sale Start Date	19-06-2026 at 04.00 pm
Seek Clarification Start Date	19-06-2026 at 04.00 pm
Seek Clarification End Date	26-06-2026 at 04.00 pm
Pre Bid Meeting	NA
Pre Bid Meeting Place & Address	NA
Bid Submission Start Date & Time	03-07-2026 at 04.00 pm
Bid Submission End Date & Time	20-07-2026 (Monday) at 03.00 pm
Bid Opening Date & Time	21-07-2026 (Tuesday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:

<https://eprocure.gov.in/eprocure/app>

2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/ modifications in the Tender Enquiry Document.

6. Intending bidder are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of bid, for any corrigendum.

7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Sr. Stores Officer, Store Section (DO), 1st floor, Animal House Building (Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

SECTION – VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Name of Equipment	Consignee	Quantity per Deptt. (No.)	Total Quantity per Schedule (No.)	Warranty Period	CAMC period after warranty
1	Ultra-thin Bronchoscope	Department of PCCSM	01	01	02 years	08 years

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

180 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date by when it is to be delivered at consignee site. Bidders may quote earliest delivery period.

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

180 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Bidders may quote the earliest delivery period).

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

For delayed delivery and/or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13.

Part IV: Turnkey Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details mentioned in technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance.

Comprehensive Annual Maintenance Contract (CAMC) as per details in Technical Specification as specified in part I above. Comprehensive Annual Maintenance Contract (CAMC) will start from the date of successful completion of warranty period.

Required Terms of Delivery and Destination.

a) For Indigenous goods or for imported goods if supplied from India:

Free Delivery at Consignee's Site(s)

b) For Imported goods directly from abroad:

The foreign bidders are required to quote their rates on CIP (Named Port of Destination Basis) giving breakup of the price as per the Proforma prescribed in the Price Schedule. Purchaser will place the order on CIP (Named Port of Destination basis).

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Qty: 01 No.

Ultra-Thin Bronchoscope:

- Should have clear image for detailed observation of bronchial surfaces.
- Should have Insertion Tube rotation function up to 120 degrees left and right direction to reduce bronchoscopist's fatigue.
- Should have waterproof one touch connector.
- Should be fully immersible in disinfectant solution.
- Insertion Tube Outer Diameter should be around 3.7 mm or less for access to peripheral regions.
- Angulation range should be approx. UP- 210 Degree & Down 130 Degree.
- Field of view should be around 90 Degree or more.
- Working length should be around 600 mm or better.
- Depth of Field should be around 2mm to 50mm or better.
- Instrument Channel diameter should be 1.7 mm or better.
- The Ultra-Thin Bronchoscope should be compatible with existing Olympus Light Source & Video Processor in the department.
- Should have CDSCO License.

Accessories required:

- Suction Valve - 20 nos.
- Biopsy Valve - 20 nos.
- Long Channel Brush – 20 nos.
- Short Channel Brush – 20 nos.

Warranty:

1. As per AIIMS rules and should be quoted with 2-year comprehensive warranty and another 8 years of maintenance warranty (including all spares, batteries, circuit, other accessories)
2. The cost of additional accessories quoted in the price bid which will be used to calculate L1.
3. Prices of all the spare/accessories required for maintenance of the equipment should be quoted along with the price bid. If the firm fails to provide price of any part/accessories in the price bid the same will be provide free of cost by the company if required.
4. Company will be responsible to maintain equipment and accessories in working condition irrespective of the cause/reasons/conditions/nature for not working of the equipment/accessories. Company will replace all the required parts/spares /accessories, labour/service during WARRANTY/CAMC period without any extra charges/taxes" (including and not limited to physical damage).
5. In case of any breakdown, fault, repair should be undertaken within 48 hours of receipt of such information. Failure to do so shall make the company liable for a penalty of Rs.1000/- per day.

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
STORE SECTION (DO), 1ST FLOOR, ANIMAL HOUSE,
ANSARI NAGAR, NEW DELHI-110 029, INDIA**

TENDERENQUIRY DOCUMENT

(Two Bid System for Machinery & Equipments)



Advertised Tender Enquiry No.: XX-42/SO(DO)/Pediatric/2026- 27/M&E

**Brief Description of Goods : Purchase of Ultra high Performance
Liquid Chromatography System
(UHPLC) - 01 No.**

SECTION-I



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110 029
TENDERS ENQUIRY DOCUMENTS (TED)**

Advertised Tender Enquiry No : XX-42/SO(DO)/Pediatric/2026-27/M&E

On behalf of Director, AIIMS, Ansari Nagar, New Delhi-110 029, online bids are invited in two bid system (Techno-Commercial Bid and Financial Bid) from reputed, eligible and qualified firms/manufacturer for supply of following Goods:

S. No.	Brief Description of Goods	Quantity	Amount of Bid Security/EMD
1.	Purchase of Ultra high Performance Liquid Chromatography System (UHPLC)	01 No.	INR Rs. 1,80,000/-

CRITICAL DATE SHEET

Published Date & Time	11-06-2026 at 04.00 pm
Bid Document Download/Sale Start Date	11-06-2026 at 04.00 pm
Seek Clarification Start Date	11-06-2026 at 04.00 pm
Seek Clarification End Date	19-06-2026 at 04.00 pm
Pre Bid Meeting	Already done
Pre Bid Meeting Place & Address	NA
Bid Submission Start Date & Time	26-06-2026 at 04.00 pm
Bid Submission End Date & Time	13-07-2026 (Monday) at 03.00 pm
Bid Opening Date & Time	14-07-2026 (Tuesday) at 03.00 pm

Instructions:

1 Bids shall be submitted online only at CPPP website:

<https://eprocure.gov.in/eprocure/app>

2. The Bidder shall download the Tender Enquiry Document directly from the websites <https://eprocure.gov.in/eprocure/app> and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.

3. The complete bidding process is online. Bidders should be possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

4. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Para No. 11 of GIB of Tender Enquiry Document.

5. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/ modifications in the Tender Enquiry Document.

6. Intending bidder are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of bid, for any corrigendum.

7. The documents to be submitted in their bid may be scanned with 100 dpi with black and white option which helps in fast uploading.

8. The EMD/Bid Security shall be deposited through Bank Guarantee/Demand Draft/FDR drawn in favour of the **AIIMS Main Grant**. The original Earnest Money/Bid Security must be delivered to **Sr. Stores Officer, Store Section (DO), 1st floor, Animal House Building(Near Bio-technology Building) AIIMS, New Delhi-110029** till bid opening date and time as mentioned in "Critical Date Sheet" failing which the bid shall be summarily rejected.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Name of Equipment	Consignee	Quantity per Deptt. (No.)	Total Quantity per Schedule (No.)	Warranty Period	CAMC period after warranty
1	Ultra high Performance Liquid Chromatography System (UHPLC)	Department of Pediatric	01	01	02 year	08 year

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:

180 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date by when it is to be delivered at consignee site. Bidders may quote earliest delivery period.

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

b) For Imported goods directly from foreign:

180 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Bidders may quote the earliest delivery period).

Installation and Commissioning shall be done at the earliest but not later than 45 days of delivery of goods at site or date of handing over the site for installation, whichever is later.

For delayed delivery and/or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13.

Part IV: Turnkey Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details mentioned in technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance.

Comprehensive Annual Maintenance Contract (CAMC) as per details in Technical Specification as specified in part I above. Comprehensive Annual Maintenance Contract (CAMC) will start from the date of successful completion of warranty period.

Required Terms of Delivery and Destination.

a) For Indigenous goods or for imported goods if supplied from India:

Free Delivery at Consignee's Site(s)

b) For Imported goods directly from abroad:

The foreign bidders are required to quote their rates on CIP (Named Port of Destination Basis) giving breakup of the price as per the Performa prescribed in the Price Schedule. Purchaser will place the order on CIP (Named Port of Destination basis).

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Section – VII
TECHNICAL SPECIFICATION AND GENERAL POINTS

Ultra-High Performance Liquid Chromatography (UHPLC) System

Mandatory condition 1: Fully PC controlled all in one UHPLC system with Integrated Quaternary pump having online /inbuilt vacuum degasser, Autosampler, and suitable all detectors to measure below listed analytes of interest .UV, FLR , RI, and ECD detector, Column Oven & Chromatography data controlling and analysing software. Consumables ,sample extraction and purification cartridges and start up kit for at least 6 month and 1000 samples

Mandatory condition 2. System should be provided and capable to analyse amino acids, fatty acids, acylcarnitines, Homocysteine , sugars and oligosaccharides , congenital disorder of glycosylation (CDG) transferrin's profiles, Porphyrin and Neurotransmitters, pterins, biogenic amines , and other Inborn errors of metabolites and condition .

Mandatory condition 3. It is essential that vendors should specify the system performance parameters clearly and all the specifications quoted should be available in their original company brochure or product data sheet. Any claims of specifications that are not documented in the company brochure will not be accepted. Point-wise compliance sheet must be provided enclosed with tender along with supporting documents/ certificates, otherwise offer will be technically rejected.

UHPLC Pump Module	<p>Quaternary Gradient system</p> <ul style="list-style-type: none"> • Low-pressure quaternary gradient mixing • Solvent selection: Up to Four solvents • Seal Wash: Integral, active, automatic. • No. of Gradient Steps: Maximum 11 or better or equivalent • Gradient profile: Linear step, Concave & Convex. • Maximum Operating Pressure: 9500 psi or more • Flow precision 0.075% RSD or Better • Flow accuracy \pm 1.0% • Total System dwell volume/delay volume \leq 1400 μL or less <ul style="list-style-type: none"> • PH Range 1- 12.5 • Automated online PH and ionic control • Flow rate range: 00.010 to 5.000 ml/min or better. • Required sufficient consumables should be provided
Autosampler	<ul style="list-style-type: none"> • Sample Capacity: 90 vials or more of 2/1.5 ml capacity • MTP plate holder/rack with holding capacity of 2 plate or better • Standard injection volume range from 0.1 to 50 μL • Injection Precision <0.30% RSD or better • Sample carry over: \leq0.004% or better • Temperature control 4 $^{\circ}$C to 40 $^{\circ}$C • Advanced capability: Auto dilution, auto addition and load ahead • Required sufficient consumables should be provided
PDA Detector	<ul style="list-style-type: none"> • Wavelength Range: 190-700nm or better • Wavelength Accuracy: \pm 1nm or better • Baseline Noise: \leq 5 x 10⁻⁶ or less • Light source: Deuterium lamp and Tungsten lamp • Flow cell volume: 8-20microliter or better • Measurement Range: 0.0001 to 4.000 AU or better • Photodiode 512/1024
Fluorescence Detector	<ul style="list-style-type: none"> • Excitation Wavelength range 200 – 890 nm or better • Emission wavelength range 210-900nm • Bandwidth: 20nm

	<ul style="list-style-type: none"> • Flow cell volume 13 μL or better. • Light source: Xenon Lamp, with minimum Warranty 2000- Hours.or more • Wavelength Accuracy: \pm3nm • Sensitivity: S/N, Raman peak of water >1000 • Data channels: Up to four 2D channels or one 3D channel • Required sufficient consumables should be provided
RI Detector	<ul style="list-style-type: none"> • Refractive Index Range: 1.00 to 1.75 RIU or better • Flow Cell: Fused Quartz/Quartz glass • Flow cell Volume: 10 μL • Drift: 2.5×10^{-7} RIU/Hour or better • Temperature control: Internal oven 30 to 55 degree. • Light source: LED 870nm/Wlamp • Required sufficient consumables should be provided
ECD Detector	<ul style="list-style-type: none"> • Operating modes: DC, Pulse Scan • Oven +7°C above ambient to 60°C, accuracy 0.5°C, stability 0.1°C; accommodates column and flow cell(s) • DC Range: 10 pA - 200 μA in 1, 2, 5 increments or equivalent or better • Potential (Ec): -2.50 V to + 2.50V with 10 mV increments or better
Column Oven	<ul style="list-style-type: none"> • Operating temperature range Ambient to 100°C or better. • Temperature accuracy 0.8°C over entire range • Temperature stability 0.3°C or better • Solvent conditioning: Passive pre-heating as standard • Temperature control method-Forced-air circulation/Peltier-element or equivalent
Software	<ul style="list-style-type: none"> • Suitable original latest Licensed single software to control all modules of UHPLC System. Software should be freely upgradable for entire life of the machine and AMC+CMC period • Customizable data reports, online and offline help and answer wizards. • Full 64 bit architecture • Latest Windows (10/11) environment • Interactive control and display of solvent delivery • All functions and features accessible from a single window-use the command bar to navigate • Wizards to simplify and automate common system functions • Methods - instrument, processing and reporting parameters in one place • Embedded Oracle data base for better organization and easy retrieval of system user data • Software should be 21 CFR Compliant • Should be able to perform custom calculations • Diagnostic functions and configuration wizards • Extensive User help.
IQ/OQ	<ul style="list-style-type: none"> • Qualification of full system should be included

Warranty	<ul style="list-style-type: none"> • 2yearscomprehensive warranty with all spare and labour charges and comprehensive CAMC for next 8 years
Data station (Computer& Printer)	<ul style="list-style-type: none"> • Latest configuration Computer windows 11 with Monitor (27 inch)available at the time of supply of the system which should be compatible with the Software quoted to run the UHPLC System. • Operating and analysing software should be freely upgradable for the entire life of the machine or for the 10 years of comprehensive warranty time , Backup drive should be provided with the system • Printer: Laser jet B&W.
Calibration and Preventive checkup	<ul style="list-style-type: none"> • System and methods calibration along with annual preventive checkup should be inbuilt and performed on regular basis in the quoted price And covered under AIIMS Comprehensive maintenance contract • All the hardware's and software's in form of consumables and non consumables and third party item should be covered in offered prices under Comprehensive warranty period of 2+8 as per rule • Calibration of the instruments and methods as per NABL guidelines should be inbuilt in offered price and done on regular basis
Application and technical services	<ul style="list-style-type: none"> • System should be supplied with full unconditional support of technical and application services from principle company as and when required on site or on call for the entire life of machine during whole AMC and CMC period • Shut down time should not be more than 24 hr and company must provide an alternative mode of processing of the samples nearby in case of machine is non functional .If the equipment is not working for more than 2 weeks (due to any service issues) then the warranty period must be extended by default for non-working period.” • Man power should be provided for at least two years and should be inbuilt along with the instruments in same offered price
Kits and Consumables and others	<ul style="list-style-type: none"> • Tool kit should be provided with the instrument. • Minimum 5 Columns depending on application(eg. 50x2mm; 2.1x100mm , 100x 4.6 mm ,4,6x150 mm or so) and guard column and samples derivatizing reagents and general solvents and reagents , kits and standards specific to the mandatory condition 2 should be provided FOC along with the instruments . amino acid kit should be quoted and one kit should be provided FOC • Start up kit for samples and instruments provided with the instruments ,containing all the component required to analyse and quantitate . • Rate of the consumables and kits should be quoted and fixed for next 10 years • Vendor must support shifting of the instrument free of cost within the institute and re installation as and when required.
