

OFFICE OF THE PRINCIPAL

GOVERNMENT MEDICAL COLLEGE BARAMULLA



On behalf of Lt. Governor of Jammu & Kashmir Union Territory, through Principal, Govt. Medical College Baramulla E-Tenders are invited from the original manufacturers/their Indian subsidiaries/Indian Agents/ authorized dealer on the authorization of principal manufacturers /Indian Subsidiary if 100% subsidiary of foreign principals (for imported equipment) and manufacturers /their authorized dealers for the J&K (for indigenous equipment) for Fully Automated Coagulation System reagent rental basis for Govt. Medical College Baramulla as per following details.

The tender details and schedules as per following

Name of the Equipment	Quantity	Tender Fee	EMD
Fully Automated Coagulation System on reagent rental basisfor Govt. Medical College Baramulla	02	Rs. 1000	Rs. 1,00,000

The detailed tender document will be available on www.gmcbaramulla.com

NIT schedule is as per following:-

Date & Time of release of bid	16-06-2023 (04:00 PM)
Last date for entertaining any clarification/representation	18-06-2023 (09:00 AM)
Online bid submission start date	18-06-2023 (09:00 AM)
Last date for submission of online bids	03-07-2023 (09:00 AM)
Opening of Technical bids	06-07-2023 (11:30 AM)

Complete bidding process will be done online on e-tender portal. The tenders should be submitted strictly in accordance with the provisions of the detailed NIT. No Proposal will be accepted in physical form and no clarification/representation shall be entertained after the expiry of last date of clarification.

Sd/-Principal/Dean Govt. Medical College, Baramulla

Dated: 16-06-2023.

NO:-GMCB/PO/2023-24/959/1367-73

Copy to the:-

- 1. Additional Chief Secretary, Health & Medical Education Department, J&K, Jammu for favour of information.
- 2. Director, Finance, Health & Medical Education Department, J&K, Jammu for favour of information.
- 3. Joint Director, Information Department, Kashmir, Srinagar with the request to publish the NIT in two leading dailies of the UT.
- 4. Chief Accounts Officer GMC Baramulla for information.
- 5. Medical Superintendent Associated Hospital GMC Baramulla for information.
- 6. In-charge Website GMC Baramulla to upload this notice on official website of GMC Baramulla.



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Instruction to bidders regarding e-tendering process:-

- The interested bidder can download the NIT/bidding document from the websitewww.jktenders.gov.in
- 2. To participate in bidding process, bidders have to get (DSC) "Digital Signature Certificate" as per information Technology Act-2000, to participate in online bidding. This certificate will be required for digitally signing the bid. Bidders can get above mentioned digital certificate from any approved vendors.
- 3. The Bidders, who already possess valid (DSC) Digital Signature Certificates, need not to procure new Digital Signature Certificate.
- 4. The bidders have to submit their bids online in electronic format with Digital Signature. The bids cannot be uploaded without Digital Signature. No Proposal will be accepted in physical form.
- 5. Bids will be opened online as per time schedule mentioned in the NIT.
- 6. Before submission of online bids, bidders must ensure that scanned copies of all the necessarydocuments have been attached with bid.
- 7. The department will not be responsible for delay in online submission of bids whatsoeverreasons may be.
- 8. All the required information for bid must be filled and submitted online.
- 9. Bidders should get ready with the scanned copies of cost of documents & EMD as specified in the tender documents.
- 10. The details of cost of documents, EMD specified in the tender documents should be the same, as submitted online (scanned copies) otherwise bid will not be accepted.
- 11. Bidders are advised to use "My Documents" area in their user on http://jktenders.gov.in, etendering portal to store important documents like Balance sheet, GST Registration Certificate, Tax Clearance Certificate, IT certificate, Manufactures authorization and other related documents etc., and attach these certificates as Non- Statutory documents while submitting their bids.
- 12. Bidders are advised not to make any change in BOQ (Bill of Quantities) contents or its name. In no case they should attempt to create similar BOQ manually. The BOQ downloaded should be used for filling the item rate as prescribed and it should be saved with the same as it contains.
- 13. Bidders are advised to scan their documents at 100 DPI (Dots per Inch) resolutions with Black and White, PDF \ Scan properly.
- 14. The guidelines for submission of bid online can be downloaded from the website http://www.jktenders.gov.in



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Subject:- Detailed Tender Notice for supply/installation/commissioning of **Fully Automated Coagulation System onreagent rental basis** for Govt. Medical College Baramulla.

01. Requirement:-

On behalf of the Lt. Governor of Jammu and Kashmir Union Territory through the Principal, Govt. Medical College Baramulla, e-tenders are invited from the original manufacturers/their Indian subsidiaries/Indian Agents/authorized dealer only (for imported equipment) and manufacturers /their authorized dealers for the J&K (for indigenous equipment) for supply /installation/commissioning of **Fully Automated Coagulation System on reagent rental basis for a period of 03 years** for Govt. Medical College Baramulla as per the details/ specifications & workload shown in Annexure "A" & "B" attached to this N.I.T. and the terms and conditions as detailed hereunder. The bids are required to be uploaded on e-tendering portal www.jktenders.gov.in only and no hard copy /physical copy is to be submitted in physical form.

02. SUBMISSION OF TENDERS :-

The tenderers are required to submit their tenders under 2 bids system withCover-I (technical bid) and cover-II (price bid).

A. Cover-I (Technical bid):-

- 1. Tender fee & EMD receipt proof with full details.
 - a) Format T1 Details of bidder.
 - b) Format T2 Declaration form.
- 2. Technical details/specifications offered duly supported with list of reagents /required without any mention of the cost along with details of all parameters /tests, the system is capable of performing.
- 3. List of installation of the quoted equipment in India in reputed Govt. /Semi Govt. Institutions/hospitals with successful completion and Performance certificate at least three clients/customers.
- 4. Authorization letter from the Principal Manufacturer/Importer.
- 5. Self-attested copy of GST Registration Certificate & PAN along with latest 2 returns of both.
- 6. Compliance statement.
- 7. Product catalogues/brochures of the offered equipment along with safety/quality certification & other requisite documents.
- 8.Tax Certificate: The latest 2 returns of the Incom-Tax /Sales tax clearance certificates (GST)must be enclosed with the tender(s).

Cover-II (Price Bid):-

Price bid shall mention the cost per reportable test including the cost of main reagents, chemicals controls, calibrator, cleaning solutions and other consumables if any, and the GST amount per reportable test.

The BOQ consists of multi page BOQ as per following:-

- **A.** Page 1 (BOQ 01): The rate(s) of main tests.
- **B.** Page 2 (Optional Tests): The rates(s) of optional tests should be entered in the said page of BOO.

Note: No hard copy / physical copy of the price bids is to be submitted.



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03. Earnest Money Deposit:-

The Earnest Money should be in the shape of Call Deposit Receipt (CDR)/ Fixed Deposit Receipt (FDR) /Bank Guarantee (BG) as prescribes in the NIT, drawn on any National Bank/scheduled bank Pledged to the Chief Accounts Officer GMC Baramulla, J&K. The CDR/FDR should be valid for a minimum period of 01 year while as the BG should be valid for a minimum period of 18 months. The CDR/FDR/BG should necessarily be negotiable in India. The Earnest Money deposited should be extendable as mutually agreed upon. Further EMD/Tender Fee in respect of MSME only shall be as per the standing governmentorders. For the purpose, MSME Units shall have to furnish registration certificate and Functional Certificate of MSME Unit, issued by the competent authority with their tender offer failing which the benefits of MSME units will not be allowed.

Further the concerned tenderer shall upload the copy of the Earnest Money Deposit instead without submitting the hard copy of the same. However the successful tenderer(s) shall be required to submit the original EMD before supply order is placed in their favour.

Tenders not accompanied with the required Earnest Money proof shall be rejected straightway. In case of successful tenderer(s), the Earnest Money shall be released after supply/installation/testing/commissioning and handing over the equipment to the entire satisfaction of the Institute authorities and after necessary security deposit is furnished. In the event of successful tenderer(s) failing to abide by the offer, the Government without prejudice to other remedies will forfeit the Earnest Money under law for the time being in force in the **Union Territory of Jammu and Kashmir**. In case of Un-successful tenderer(s), the Earnest Money shall be released after finalization of the contract with the successful tenderer(s).

In case of foreign manufacturer(s) having no Indian agent/Indian subsidiary or who wish to quote directly without Indian agent/Indian Subsidiary shall however have to furnish a Bank Guarantee equivalent to CDR/FDR as asked in the N.I.T rates initially valid for a period of two year pledged to the Chief Accounts Officer GMC Baramulla, J&K (India) and should be negotiable in India. The Bank Guarantee shall be further extendable for the period as mutually agreed upon.

04. Tender Fees:-

The bidder shall have to submit the tender fee in the form of a Demand Draft pledged to Chief Accounts Officer GMC Baramulla.

05. Performance Security Deposit:

The successful bidder shall have to submit the performance security deposit in the form of bank guarantee/FDR/CDR for Rs.3,00,000/- drawn on any National Bank/ Scheduled bank, pledged to the Chief Accounts Officer GMC Baramulla, Union Territory of Jammu and Kashmir for a period of 42 months as performs guarantee. The EMDto the successful bidder shall be released only after the performance security deposit is submitted.

06. Evaluation Criteria:-

The equipment shall be selected on the following basis:

- a). The equipment shall have to meet all the technical specifications as specified in the NIT. b). Financial bids of only those tenderers that qualify on technical grounds shall be opened.
- c). The tenderers should also preferably provide details/cost of any additional tests other than those specified in NIT that can be performed on the quoted equipment, however such investigations shall not be included for price comparison but can also be awarded to



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the successful bidder if deemed appropriate by the college purchase committee.

07. Selection Criteria:-

- a) The tenderer shall quote the cost of all main tests included in our NIT. Tenderer shall quote the cost of reportable test including the cost of main reagents, chemicals, controls, calibrator, cleaning solutions and other consumables if any, and the GST amount per reportable test for all items in the BOQ.
- b) The Final cost estimation shall be determined by cost per reportable test plus GST amount per reportable test quoted by the tenderer (as specified in the annexure-B) **for 3 years**. The cumulative cost for each test so arrived at shall be added and one that emerges as lowest (L-1) shall be awarded the contract.
- c) The cost of optional tests (if quoted) shall not be included in the final financial comparative to determine the L-1.
- d) The rates quoted for various parameters shall remain fixed for a period of 3 years.
- e) If at any stage it is found that bidders have included any hidden cost(s) which could not be pointed out during evaluation, such hidden cost(s) is to be borne by the bidder.

08. Right Reserved by the Government:-

Principal Govt. Medical College Baramulla, reserves the right either to accept or reject any tender or part thereof without assigning any reasons thereto including the lowest tenderer(s) and shall not be bound to consider all the advertised/quoted equipment/items for placement of orders. The placement of the orders/procurement of equipment under the N.I.T. shall also be subject to the availability of the budget.

10. Duration of tender:-

The bid must be valid for a period of 180 days from the date of opening of the financial bid. Conditional tenders shall not be accepted. No escalation of rates shall be allowed by the Institute during the currency of the contract. The validity should be extendable for further duration as mutually agreed upon. Once the rate of contract is finalized the rate contract shall be valid for a period of **three years** from the date of awarding of contract. However, in case of emergency, the same can be extended with the approval of College Purchase Committee, GMC Baramulla subject to the overall performance of the contractor.

11. Delivery Period:

The equipment shall have to be delivered /installed within a period of 6-8 weeks from the date of issue of supply order. Further the reagents, consumables, controls, as detailed in Annexure-A shall have to be made within 6-8 weeks of the issue of supply order. The institute shallbe at liberty to impose penalty as per clause 29 of the NIT.

12. Ouantities:-

The number of equipment to be placed in the institute, shown is approximate and the Institute reserves the right to increase or decrease the said quantities on need basis. Further during the currency of the contract this institute can also ask to provide such service to other areas coming under the jurisdiction of this institute also.



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13. Letter of authority:-

The Indian Agents/Indian Subsidiaries quoting on behalf of their foreign principals (for imported equipment) and the authorized dealers (for indigenous equipment) must enclose with their tender the latest copy of the authority letter authorizing them to quote on their behalf against this N.I.T. (please preferably specify N.I.T Number).

14. Scope of contract:-

The scope of the contract covers:

- Supply/ installation/ testing/ commissioning and handing over/operation and Maintenance of equipment during the currency of the contract.
- Supply of reagents, controls, calibrators etc. on need basis against order during thecurrency of the contract.

15. Description of the tender/tender costs:-

Tenderer(s) are advised to furnish comprehensive description of quoted equipment conforming to the advertised specifications. The tenderer(s) shall not be entitled for any costs and charges incurred by them for submission of the tender(s).

16. Agreement:-

The successful tenderer(s) shall have to execute a formal agreement for Rs.100/- with the Principal Govt. Medical College Baramulla, within a period of thirty days from the date of the communication of the acceptance of their tender. All expenses on account of stamps, registration and other related charges shall be borne by the successful tenderer(s). In case of Indian agent/authorized dealer, the agreement shall be tripartite, wherein the principal manufacturer/ their Indian subsidiary shall be responsible for completion of the contract in case of failure of Indian agent / authorized dealer and services thereof.

17. Sub-letting of the contract:-

The successful tenderer(s) shall be responsible for execution of the contract in full and shall not in any case assign or sublet the approved items or part thereof to any other party which will otherwise lead to debarring and black listing of the successful tenderer(s).

18. Clarifications:-

Any clarifications required by the tenderer(s) with regard to the technical points mentioned in the tender or subsequent sections of the annexure hereto or otherwise pertaining to the job may be sought through correspondence or in person from the office of the undersignedduring the office hours before the stipulated time period.

19. Payments:-

Since this institute shall only be placing orders for consumables required by the system(s) during the currency of the contract, 100% payment shall be released after the supply of reagents/consumables etc. is received at our stores/ after satisfactory inspection and verification of the materials and after the material is consumed by the concerned department in full for each bill with the certificate from the concerned HOD that cost per reportable test has not exceeded to the contractual stipulations.

In order to ensure full and optimum utilization of the equipment, the successful tenderer(s) shall have to impart free on-site training to sufficient number of technical staff of the Govt. Medical College Baramulla, J&K, India.



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21. Installation of the equipment:-

- a) All pre-installation requirements of civil, electrical, mechanical including drawings and plans for the equipment shall have to be finalized by the successful tenderer(s) with the authorities of the Govt. Medical College Baramulla, prior to the dispatch/receipt of the equipment. Since only minor modifications/re-modeling shall be needed, the costshall be borne by the successful tenderer.
- b) The equipment(s) after receipt shall have to be installed by the trained qualified Engineer of the successful tenderer(s) within a period of thirty days from the date of the intimation from Govt. Medical College Baramulla.

22. Unloading of the equipment:-

The unloading of the equipment at the time of its receipt at Govt. Medical College Baramulla and its shifting to the site of installation shall have to be arranged by the representative of the successful tenderer(s) at their cost/care and responsibility. It shall also be their responsibility to arrange for the tools required for unloading and shifting of the equipment to the site of the installation at Govt. Medical College Baramulla.

23. Testing and quality of the equipment:-

The equipment(s) to be supplied along with reagents should be US- FDA approved/ European CE certified for being Latest State of Art and Technology conforming to the highest standards of manufacturing technology in respect of the durability, strength and engineering practices. There shall be no cracks, flow or any other defect and all the equipment(s) should be made to the standard gauge to ensure and facilitate subsequent replacements and repairs. All the materials used in the equipment(s) shall be new and of highest and approvedquality for the optimum/high standard use.

24. Tools and tackles:-

The successful tenderer(s) shall arrange at their own costs all tools, tackles and other appliances necessary or desirable for installation of the equipment at the site of installation.

25. Important Instructions to the Tenderer(s):-

- I. The Equipment shall be placed in the Hospital free of cost.
- II. The Equipment shall be a newly manufactured one and not a refurbished item. Certificate from the manufacturer should be enclosed depicting that the equipment supplied is newly manufactured.
- III. The period of Contract between the successful bidder and the Institute shall be fixed for 03 years and successful tenderer shall maintain the equipment for the period of Contract; any cost of maintenance including the spares shall be borne by the successful tenderer.
- IV. The successful tenderer shall ensure the periodic preventive maintenance. The maximum break down period shall not exceed 04 days per quarter. If the breakdown period exceeds 04 days per quarter the successful tenderer shall be penalized as per relevantrules **any loss thereof** shall be recovered from the bidders.
- V. In case the equipment does not perform to the satisfaction of the end user, the contract can be terminated at any stage by the Govt. Medical College Baramulla authorities.
- VI. The Equipment supplied should be fully compatible with the Hospital Information System (HIS).
- VII. After Expiry of the contract period, the contract can be reviewed and may be extended depending upon the performance and service of the Equipment and the



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company. The decision to this effect shall be the sole discretion of the host institute.

- IX. The institute will provide space, electricity and stationery for report printing, resteverything shall have to be arranged by the successful bidder.
- X. Institute reserves the right to ask for replacement of machine with higher throughput in case need is felt for the same.
- xi. After completion of the contract period the contractor shall lift back the installed equipment after satisfactory completion report from HOD Concerned on his own risk, cost and responsibility.

26. Patent rights:-

The successful tenderer(s) shall have to defend at their own costs any claim lodged in a suit proceedings against the purchaser that the equipment(s) or any part thereof constituted an infringement of any patent of the country of origin or India if noticed promptly in writing and give authentic information and assistance or the defence and the successful tenderer(s) shall pay all the damages and the costs awarded against the purchase in such suit or proceedings for the patent infringement. In case the equipment in such suit or proceedings for is held to continue infringement and the use of the equipment(s) or part thereof is prohibited the successful tenderer(s) shall at his ownexpenses either procure for the purchaser the right to continue using the equipment or modify it so that it becomes no infringing to remove the equipment(s) and refund the purchaser full price plus transportation costs thereof.

27. Force Maieure:-

Any failure or omission to carry out the provisions of this contract shall not give rise to any claim by Govt. Medical College Baramulla and the successful tenderer(s) one against the other if such failure/omission arisesfrom an act of God which shall include all acts of natural calamities such as fire, floods, earthquakes, hurricanes or any pestilence of from civil strikes compliances with any statute of regulations of Government lockout, strikes, riots, embargoes or from any political or other reasons beyond the control of either Govt. Medical College Baramulla or the successful tenderer(s) including war (whether declared or not, civil war of a state of insurrection. However, force majeure clause shall not apply for the installation of the equipment, its repairs and maintenance by the company's engineer and the service contract after the expiry of the Guarantee period.

28. Arbitration:-

If at any time any question, dispute or difference whatsoever shall arise between the parties upon or its relation to or in connection with the contract, either of the parties may give to the other party in writing of the existence of such a question, dispute or difference and the same shall be referred to award to two arbitrators one to be nominated by Institute and other to be nominated by the firm. In case of such arbitrators not agreeing to, then to the award of an Umpire to be appointed by the arbitrators in writing before proceeding with the reference andthe decision of the arbitrators or in the event of their not agreeing of the Umpire appointed bythem shall be final and binding on the parties.

The provisions of the prevailing arbitration act and of the rules there under or any statutorymodifications thereof, shall be deemed to apply to arbitration. Such a notice of the existence of any question or dispute or difference in connection with the contract shall be served by eitherparty within 60 days of the beginning of such dispute failing which all rights and claims under this contract shall be deemed to have forfeited and absolutely barred.

29. Penalties:-

In the event of the successful tenderer(s) failing, declining or neglecting the supply of the goods as per the order or in the event of any damage occurring or being caused by the



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successful tenderer(s) or in the event of any default by the successful tenderer(s) in complying with any of the terms and conditions of the contract or a default or failure in completion with any of the terms and conditions of the contract or submission of fake/forged documents, Govt. Medical College Baramulla, shall without prejudice to any other remedy available to it under lawbeing in force in J&K as per following:

- a. Terminate the contract after thirty days' notice and/or;
- b. Recover the amount of the loss caused by the damage, failure or default. Howeverthe overall liability including recovery of losses shall not exceed the total contract value and/or;
- c. Forfeit EMD/ Bank Guarantee and/or;
- d. Impose penalty upto 10% and /or;
- e. Debar the participating firm / principal manufacturer

30. Regulatory clearance certificate:

It will be the responsibility of the successful tenderer(s) to obtain necessary regulatoryclearance certificates as may be required for import/installation and working of the equipment(s).

31. Compliance statement:-

All the claims of the tenderer(s) regarding fulfilling the specifications shall be duly supported by appropriate, latest technical catalogues/brochures from the manufacturers and simply stating that the equipment(s) quoted meets the advertised specifications is not sufficient and such tender shall be rejected.

Sd/-Principal/Dean Govt. Medical College, Baramulla



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DETAILS OF THE BIDDER Format T1

		GENERAL INF	ORMATION A BIDDER	ABOUT THE		
1.	Name of the Bidder					
	Registered address of the Firm					
	State			District		
	Telephone No.			Fax		
	e-mail			website		
		CONTAC	T PERSON DE	TAILS		
2.	Name			Designati		
				on		
	Telephone No.			Mobile No.		
		COMMUN	ICATION AD	DRESS	•	
3.	Address					
	State			District		
	Telephone No.			Fax		
	e-mail			website		
		TYPI	E OF THE FIR	M	.1	
4.	Private Ltd.		Public Ltd.			Proprietorsh ip
	Partnership		Society			Others Specify
	Registration No. anddate of registration					
		NATU	RE OF BUSIN	ESS		
5.	Manufacturer	<u></u>	Authorized			
			Representative/ Stockist/deer			
6.	Direct Importer					
7.	GST Registration					
8.	PAN: Furnish the					
	copy of the PAN					

MEDICAL COLLEGE

Government of Jammu and Kashmir

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9	Details as mention supply if any (if se	ed below fo		have to furnish the bank EMD /Payment for	
	a. Name of the ban	k	:		
	b. Full address of the Branch Concerned		:		
	c. Account no. of the :bidder	e			
	d. IFS Code of the Bank		:		
	Date	Office Seal		Signature of the bidder /Authorized Signatory	

MEDICAL COLLEGE

Government of Jammu and Kashmir

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V V

(Format T2)

DECLARATION FORM

(Affidavit before Executive Magistrate / Notary Public)

I / We
having My / our office atdo declare that I /
We have carefully read all the terms & conditions of bid of GMC Baramulla,
for the supply of (Name of the item). Our quoted price if
approved will remain valid for a period of three years from the date of approval. I
will abide with all the terms & conditions set forth in the
Bid document Reference no.
along with the subsequent amendment, if any.
I/We do hereby declare I/We have not been de-recognised / black listed by any StateGovt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health Institutions for supply of Not of Standard quality item/ Non-supply.
I/We agree that the Tender Inviting Authority can forfeit the Earnest
Money Deposit and or Performance Security Deposit and blacklist me/us for a
period of 3 years if, any information furnished by us proved to be false at the
time of inspection /verification and not complying with the Bid terms $\&$
conditions.
I / We do hereby declare that I / we will supply theas per
the terms, conditions & specifications of the bid document and hereby further
declare that I/We will supply the Reagents /Supplies as per specifications/make
shown in the BOQ.
The rates quoted in the bid are valid for 180 days

Signature of the bidder: SealDate:

Name & Address of the Firm:



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ANNEXURE "A"

QTY = 02 Nos.

<u>Detailed Technical Specifications for Blood Gas Analyzer on Reagent Rental Basis for Govt Medical College, Baramulla.</u>

Specifications:

- 1. Fully automated, bench top model, complete walk away system.
- 2. Should be a random access, with continuous loading of consumables (Cuvette, reagents etc.) and samples.
- 3. Should be able to perform Clotting, Chromogenic and Immunological tests
- 4. At least 45 reagents on board with minimum 40 refrigeration positions.
- 5. More than 50 samples on board with minimum 25 test order per sample.
- 6. Should have more than 500 cuvettes on board capacity.
- 7. Up to 200 user configurable test protocols.
- 8. Type of Sample: Primary tubes and sample cups.
- 9. Throughput: 180-200 PT/hour and 150-180 PT and APTT/hour.
- 10. The instrument should have STAT facility without the need to interrupt running assay.
- 11. STAT sample should be programmed anywhere in the sample position.
- 12. The instrument should be LIS compatible, bi-directional.
- 13. Storage of at least 5 calibration curves for each assay.
- 14. It should have In-built barcode reader for automatic positive reagent identification; type, lot number, expiry.
- 15. Real-time monitoring of on-board stability, remaining volume/tests
- 16. The technology should be insensitive to lipemic, coloured, hemolysed plasma and turbid reagents and samples.
- 17. Data storage of at least 50000 patent results along with graphs.
- 18. It should work under the Ambient temperature of 15 30°C and Relative humidity of 30 85%
- 19. Should have touch screen display
- 20. Analyzers/ reagents should be USFDA approved.
- 21. The pipetting needle should be automatic pre-heating and non-corrosive.
- 22. The sample probe should have a liquid surface sensor for aspirating plasma from centrifuged whole blood samples
- 23. Simultaneous loading of samples in the sample cups and / or primary tubes with or without barcodes.
- 24. Residual volume of the reagents should be programmable.



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- 25. Inbuilt maintenance program should be present.
- 26. Should have automatic re-run and reflex programmes.
- 27. Automated QC programming with multiple rule configuration (Vial change, time intervals, number of tests, etc).
- 28. Should be a brand-new analyzer not refurbished and should have facility for future upgradation

Following materials are to be provided free of cost along with the equipment:

- PC with windows 10 or 11 operating system and latest configuration (i7; 8GB RAM; 1TB SSD) with laser printer should be provided for printing of QC / performance assay data /reports.
- Water Purification System (for suitable reagent grade water): Suitable water purification system (RO System) to provide quality water should also be supplied and maintained with the instruments.
- Uninterrupted power supply: Online indigenous 3 KVA UPS with minimum of 3 hours' backup. Capacity according to the requirement of Random-Access Immunoassay Analyzer and should be maintained for entire period at GMC Baramulla.
- A refrigerator of at least 400 ltr. Capacity.



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<u>List of tests to be performed on the equipment:</u>

The coagulation analyzer should have the following Test Menu:

S. No.	Name of Test			
Routine Screening Tests:				
1.	Prothrombin Time (PT)			
2.	Activated Partial Thromboplastin Time (APTT)			
3.	Thrombin Time (TT)			
Fibrinog	en Estimation:			
4.	D-Dimer			
5.	Fibrinogen Degradation products (FDP)			
Bleeding	Disorders:			
6.	Factor II, VII, VIII, IX, X, XI, XII, XIII			
7.	von Willebrand Factor Antigen			
8.	von Willebrand Factor Activity			
Thrombo	Thrombophilia:			
9.	Protein C (PC)			
10.	Protein S (CPS)			
11.	Anti-Thrombin III (AT)			
12.	Homocysteine (HS)			
13.	Factor V Leiden			
Lupus Anticoagulant:				
14.	Lupus Anti-Coagulant (LA) confirmatory			
Fibrinolysis:				
15.	Plasminogen			
16.	Plasmin Inhibitor			



DEPARTMENT OF HEALTH AND MEDICAL EDUCATION OFFICE OF THE PRINCIPAL GOVERNMENT MEDICAL COLLEGE BARAMULLA



"Annexure B"

Tentative work load /month of various tests done on coagulation analyzer in the Central Diagnostic Laboratory, Associated Hospital, Govt. Medical College Baramulla:

S. No.	Name of Test	Approx tests/month
1.	Prothrombin Time (PT)	200
2.	Activated Partial Thromboplastin Time (APTT)	200
3.	Thrombin Time (TT)	50
4.	D-Dimer	30
5.	Fibrinogen Degradation products (FDP)	10
6.	Factor II	10
7.	Factor VII	10
8.	Factor VIII	10
9.	Factor IX	10
10.	Factor X	10
11.	Factor XI	10
12.	Factor XII	10
13.	Factor XIII	10
14.	von Willebrand Factor Antigen	10
15.	von Willebrand Factor Activity	10
16.	Protein C (PC)	10
17.	Protein S (CPS)	10
18.	Anti-Thrombin III (AT)	10
19.	Homocysteine (HS)	10
20.	Factor V Leiden	10
21.	Lupus Anti-Coagulant (LA) confirmatory	30
22.	Plasminogen	10
23.	Plasmin Inhibitor	10

Sd/-Principal/Dean Govt. Medical College, Baramulla