



**Government of Maharashtra  
Maharashtra Medical Goods Procurement  
Authority (MMGPA)**

**“Request for Proposal (RFP) for Supply,  
Installation and Commissioning of  
Equipments For Women and New Born  
Hospital at Chhatrapati Sambhajinagar  
Group B”**

**RFP Reference No.: E- 258 /MMGPA/ Equipments For Women  
and New Born Hospital at Chhatrapati Sambhajinagar Group B  
(2025-26) Date:04/02 /2026**

**1st Floor, Arogya Bhawan St. George's Hospital Compound,  
Near C.S.M.T. Railway Station, Mumbai - 400 001.**

**Maharashtra**

**Website: <https://mahatenders.gov.in>.**

**Email: [maha.mmghpa2023@gmail.com](mailto:maha.mmghpa2023@gmail.com)**

## **Disclaimer**

The information contained in this Tender Document or subsequently provided to Bidder(s), whether verbally or in documentary or any other form, by or on behalf of the Maharashtra Medical Goods Procurement Authority (MMGPA) or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this Tender Document subject to which such information is provided. This Tender Document is not an agreement and is neither an offer nor invitation by the MMGPA to the prospective Bidders or any other person. The purpose of this Tender Document is to provide interested parties with information that may be useful to them in making their financial offers (Bids) pursuant to this Tender Document. This Tender Document includes statements, which reflect various assumptions and assessments arrived at by the MMGPA in relation to the project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This Tender Document may not be appropriate for all persons, and it is not possible for the MMGPA, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this Tender Document. The assumptions, assessments, statements and information contained in this Tender Document may not be complete, accurate, adequate or correct. Each Bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this Tender Document and obtain independent advice from appropriate sources.

Information provided in this Tender Document to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The MMGPA accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein. The MMGPA, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this Tender Document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the Tender Document and any assessment, assumption, statement or information contained therein or deemed to form part of this Tender Document or arising in any way for participation in this Tender Document.

The MMGPA also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this Tender Document.

The MMGPA may, in its absolute discretion but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this Tender Document.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the MMGPA or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and the MMGPA shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of the bidding process.

## Glossary

<b>Abbreviations and Acronyms</b>	<b>Description</b>
<b>BG</b>	Bank Guarantee
<b>BOM/BOQ</b>	Bill Of Material/Quantity
<b>CA</b>	CHARTERED ACCOUNTANT
<b>CAMC</b>	Comprehensive Annual Maintenance Contract
<b>CBS</b>	Cost Based Selection
<b>CMC</b>	Comprehensive Maintenance Contract
<b>CRC</b>	Consignee Receipt certificate
<b>DPIIT</b>	Department for Promotion of Industry and Internal Trade
<b>EMD</b>	Earnest Money Deposit
<b>EM-II</b>	Entrepreneurs Memorandum
<b>FEMA</b>	Foreign Exchange Management Act
<b>GST</b>	Goods and Services Tax
<b>IA</b>	Implementation Agency
<b>IP</b>	Intellectual Property
<b>IQ</b>	Installation Qualification,
<b>ISO</b>	International Organization of Standardization
<b>KPI</b>	Key Performing Indicators
<b>LLP</b>	Limited Liability Partnership
<b>MMGPA</b>	Maharashtra Medical Goods Procurement Authority
<b>MSME</b>	Ministry of Micro, Small & Medium Enterprises
<b>NEFT</b>	National Electronic Funds Transfer
<b>O&amp;M</b>	Operation and Maintenance
<b>OEM</b>	Original Equipment Manufacturer
<b>OP</b>	Operational Qualification
<b>PAN</b>	Permanent Account Number
<b>PO</b>	Purchase Order
<b>PQ</b>	Performance Qualification
<b>RFP</b>	Request For Proposal
<b>RTGS</b>	Real Time Gross Settlement
<b>SSI</b>	Small-scale industries
<b>TCV</b>	Total Contract Value

## Bid Notice

### Tender reference No: E-258/MMGPA/ Women and New Born Hospital Chhatrapati Sambhajanagar (2025-26)

Maharashtra Medical Goods Procurement Authority (hereinafter referred to as “Authority”), Mumbai invites **ONLINE BID** for the year **2025-26** in **two envelope system** from the Manufacturers/Importers/Authorized Distributor for the purchase of following items.

**Schedule of requirements:**

Sr. No.	Equipment Name/Item Name	No.of units	Tender fee (Rs.)	EMD (Rs.)	Consignee and Delivery Address
1	Deep Freezer 80 celsius	1	<b>42,000+7560 (GST @18%)</b>	<b>6,00,000</b>	<b>Women and New Born Hospital Chhatrapati Sambhajanagar</b>
2	Centrifuge Machine	4			
3	Hot Air Oven	2			
4	Incubator	2			
5	Deep Freezer -18c for Plasma	1			
6	5 Part Cell Counter Machine	2			
7	Fully Automated Bio Chemistry Analyzer	1			
8	USG Machine	2			
9	3 Part Cell Counter Machine	1			
10	Binocular Microscope	3			
11	Cervical Cancer Screenig Device	2			
12	Coagulation Analyser	1			
13	Elisa Raeder with washer	1			
14	Vertical Autoclave	1			
15	Semi Auto Aanalyser Bio Chemistry Machine	1			
16	Ventilator - Neonatal , Paedtric, Adult	10			
17	Blood Storage Refrigerator 250 Ltr	4			
18	<b>USG Machine with Colour Doppler &amp; ECO Facility</b>	2			

**Delivery terms:** Delivery at the assigned consignee address as per bid conditions.

Interested eligible bidders may obtain further information of technical specifications, required quantities and other terms and conditions applicable for procurement of above items from the tendering website <https://mahatenders.gov.in>.

**Bidders will have to compulsorily quote for all Equipment and quantity listed in schedule of requirements and the evaluation will be conducted on combined price quoted for all equipment.**

### BID SCHEDULE

All bid related activities (Process) like Downloading of bid document, submission of bid and submission of EMD and other documents will be governed as per the time schedule given under Key Dates below:

Sr. No.	Activity	Period
1.	Period of sale of Tender document/ Download	From 04.02.2026 at 02.00 PM
2.	Date for Submission of Queries	Before Pre-bid meeting
3.	Date of pre-bid meeting	10.02.2026 at 2.00 PM
4.	Dates for uploading tender document	From 04.02.2026 at 02.00 pm to 25.02.2026 upto 02.00 pm
5.	Last date and time for submission of tender:	25.02.2026 at 2.00 pm
6.	Date and time of opening of Envelope No.1	26.02.2026 at 02:00pm

Address for communication	1st Floor, Arogya Bhawan, St. Georges Hospital Compound, Near CSMT Railway Station, Mumbai- 400 001. Telephone No.: 022-22717527
---------------------------	---

A complete set of tender documents may be purchased by interested eligible bidder by online payment of a non-refundable fee ("Bid/Tender Fee"). Bidder has to pay **online payment of bid fee by RTGS/NEFT to the A/c of "Maharashtra Medical Goods Procurement Authority, Mumbai"** as per the table given and within time as per schedule.

**As per Govt. Resolution by Industries, Energy & Labour Department, Maharashtra State, dated 1.12.2016 - Entities who are registered under Micro, Small and Medium Enterprises Development Act, 2006 are exempted from paying Tender Form Fees and Earnest Money Deposits.**

The bidders shall be rejected summarily upon failure to follow procedure prescribed in the bid document. The conditional bid shall be rejected.

Chief Executive Officer, Maharashtra Medical Goods Procurement Authority, Mumbai reserves all the rights regarding this bid document and procedure.

Sd/-  
**CHIEF EXECUTIVE OFFICER,  
MAHARASHTRA MEDICAL GOODS PROCUREMENT AUTHORITY  
MUMBAI**

## Contents

1

<b>Fact Sheet .....</b>	<b>8</b>
<b>TERMS AND CONDITIONS: .....</b>	<b>9</b>
1. Introduction.....	9
2. Eligibility criteria: .....	10
3. Cost of bidding:.....	13
4. Corrigendum: .....	13
5. Pre-bid meeting:.....	13
6. Amendment of bid document:.....	13
7. Submission of Bids: .....	14
8. Deadline for submission of bid – as per schedule mentioned in bid notice.....	15
9. Opening of Bid:.....	15
10. Period of Validity of Bid:.....	15
11. Earnest Money Deposit: (EMD) .....	16
12. Prices:.....	16
13. Technical Specifications: .....	17
14. Evaluation of bids: .....	17
15. Technical Qualification Criteria.....	17
16. Performance Security Deposit & Contract.....	18
17. Proprietary data and Patent Rights : .....	19
18. Award of Contract: .....	19
19. Period of Contract: .....	19
20. Deliverables and Timelines.....	19
21. Delivery Period: .....	20
22. Place of delivery: .....	21
23. Guarantee/Warranty Terms:.....	21
24. Warranty Period: .....	22
25. After Sales Services: - .....	23
26. Comprehensive Annual Maintenance Contract: .....	24
27. Demonstration:.....	26
28. Pre-dispatch Inspection: .....	26
29. Consequences of default by Bidder: .....	27
30. Third Party Inspection: - .....	28
31. Installation & Site plan: .....	28
32. Force Majeure: .....	28
33. Confidentiality: .....	28
34. Payment: .....	28

35.	Corrupt or Fraudulent Practices: .....	29
36.	Resolution Of Dispute:.....	29
37.	Arbitration:.....	29
38.	Governing Language: English language version of the contract shall govern its Interpretation. ....	30
39.	Applicable laws:.....	30
40.	Indemnification: .....	30
41.	Jurisdiction: All the suits arising out of the contract shall be authority in the court of competent jurisdiction situated in Mumbai only and not elsewhere. ....	30
42.	Saving clause: .....	30
<b>Appendix I: Pre-qualification-cum-Technical Bid Templates .....</b>		<b>31</b>
<b>Annexure I: Letter Comprising the Technical Bid.....</b>		<b>32</b>
<b>Annexure II: Compliance sheet for Pre-Qualification Proposal .....</b>		<b>33</b>
<b>Annexure III: Proforma for Production And Sale Statement.....</b>		<b>36</b>
<b>Annexure IV: Average Annual Turnover and Net Worth of the Bidder .....</b>		<b>37</b>
<b>Annexure VI: Contract Form .....</b>		<b>40</b>
<b>Annexure VII: Non-Blacklisting Affidavit .....</b>		<b>42</b>
<b>Annexure VIII: Mandate Form .....</b>		<b>43</b>
<b>Annexure IX: Power of Attorney for signing of Bid.....</b>		<b>44</b>
<b>Annexure X: Technical Specifications.....</b>		<b>49</b>
<b>Annexure XI: Compliance sheet for Technical Proposal.....</b>		<b>65</b>
<b>Appendix XII: Place of delivery .....</b>		<b>102</b>
<b>Annexure-XIII: Self Declaration Affidavit (on Rs.100/- Stamp Paper) .....</b>		<b>103</b>
<b>Annexure-XIV: Manufacturer's Authorization Form.....</b>		<b>104</b>
<b>Annexure-XVI: Format for Performance Security Bank Guarantee .....</b>		<b>108</b>
<b>Appendix II: Commercial Proposal Templates .....</b>		<b>109</b>
<b>Annexure XVII: PART I.....</b>		<b>109</b>
<b>Annexure-XVIII Checklist.....</b>		<b>112</b>
<b>1.Make and Model with country of origin.....</b>		<b>112</b>

## Fact Sheet

Clause Reference	Topic
Commercial Bid Evaluation	<i>The method of selection is LCBS (Least Cost Based Selection-L1)</i>
Downloading RFP Document	RFP can be downloaded from <a href="https://mahatenders.gov.in">https://mahatenders.gov.in</a> .
Earnest Money Deposit (EMD)	Bidders are required to pay the EMD/Bid Security of <b>₹ 6,00,000</b> /- through online mode on <a href="https://mahatenders.gov.in">https://mahatenders.gov.in</a> or in the form of Bank Guarantee issued by a Scheduled / Nationalized Bank in the form provided in <b>Annexure XVII</b>
Scope of Work	Procurement is for services linked to Supply, Installation and commissioning of or use of various public health institution in Maharashtra.
Pre-bid meeting and clarifications	A pre-Bid meeting will be held on <b>10.02.2026 at 2.00pm</b> . Clarifications may be requested on or before the schedule date and time for submission of pre-bid queries as per the bidding schedule.
Language	Proposals should be submitted in the English language only.
Taxes	For all goods/services supplied, the Bidder shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed/incurred until delivery of the contracted products or services.
Bid Validity	<b>180 days from the date of Technical Bids opening</b>
Submission of Responses	Bidders must upload and submit all the documents on the Mahatender portal <a href="https://mahatenders.gov.in">https://mahatenders.gov.in</a> <i>Each of the above documents must be uploaded in the format specified for this purpose</i>
Submission of Proposals	This is online process; interested bidders are required to submit the proposal online only by the date and time specified in the RFP.
Last Date of Submission	Proposals submitted after <b>25.02.2026 02:00PM</b> will not be accepted by the e-Tender portal.
Tender Fee	All bidders shall pay tender fee of <b>₹42,000+7560 (GST @18%)</b> In case of revision of the above-mentioned tender fee, bidders shall pay revised tender fee.

## TERMS AND CONDITIONS:

### Introduction

Maharashtra Medical Goods Procurement Authority (MMGPA), Mumbai has been formed as per the Maharashtra Medical Goods Procurement Authority Act 2023 (Mah. Act No. XIII of 2023). The procurement authority has been formed with an objective to simplify and expedite the procurement process of medical Goods and Equipment's for health institution, under the state government and certain other health institution in the state as mentioned in the above act.

- 1.1. Chief Executive Officer, Maharashtra Medical Goods Procurement Authority, Mumbai**, hereinafter referred to as the “**Authority**” invites online bid in two Envelope systems for supply of Equipment specified in **Annexure-X** Schedule of Requirements, for use in public health facilities in the State of Maharashtra.
- 1.2.** All bid related activities (“Bid Process”) like Bid Document Downloading, Bid submission and submission of Bid Security/Earnest Money Deposit and other documents will be governed by the bid schedule given in bid notice.
- 1.3.** All activities of this bid are carried out online on Website <https://mahatenders.gov.in>. The bid document is uploaded on Government of Maharashtra, (GoM) e-tendering website <https://mahatenders.gov.in> and has to be downloaded as well as filled up and submitted online only. The Bidders are required to submit online bid fees (Non-refundable) as mentioned through **online payment gateway in A/c of "Maharashtra Medical Goods Procurement Authority, Mumbai"**. In no case, the bid fee should be mixed with EMD amount. The bid shall be liable to be rejected summarily upon failure to follow procedure prescribed in the Bid document.
- 1.4. The quantities mentioned in the Bid are only approximate estimated quantities. The Chief Executive Officer, Maharashtra Medical Goods Procurement Authority, Mumbai reserves the right to increase or decrease the quantities', maximum up to 50% of the quantities to be purchased without assigning any reason thereof.**
- 1.5.** If any bidder wishes to lodge any complaint against the other bidder regarding submission of false documents, information etc, the bidder has to submit the complaint before price bid opening along with deposit of **Rs.50,000 (Rupees Fifty Thousand only)** online in favor of “**Maharashtra Medical Goods Procurement Authority, Mumbai**” in the form of deposit. This complaint will be submitted to Appeal Committee along with facts. The amount so deposited shall be refunded, if after scrutiny the complaint is found to be true by the Appeal Committee. However, if the complaint is found to be false and malafide the deposit will be forfeited. No interest shall be paid against this deposit. **Any complaint received after price bid opening will not be entertained.**
- 1.6.** e-bidding process related Queries can be sent on email – [eproc.support@maharashtra.gov.in](mailto:eproc.support@maharashtra.gov.in)  
/Help: The Toll-Free Telephonic Help Desk Number 1800-3070-2232. / Mobile: +91- 7878107985, +91-7878107986 ,+ 91-7878007972 and +9-7878007973  
(9:00 am - 10:00 pm) Mon to Sat.
- 1.7.** The Orders/ Circulars issued by Govt. of Maharashtra from time to time will be applicable to this bid.
- 1.8.** The entire bidding process is governed by rules and clauses mentioned in Maharashtra Government Industries Department Stores Purchase Rules GR dated 01.12.2016, General Financial Rules 2017 and CVC Guidelines. Any disputes raised by the bidder, shall be resolved within the framework of these rules and clauses
- 1.9. A bidder who has been blacklisted/ debarred for the quoted product(s) in any state / department/ undertaking/ corporation will not be allowed to participate in Bid for the said product(s) and will not be evaluated.**

## Eligibility criteria:

Eligibility criteria for this bid are mentioned:

Sr. No.	Basic Requirement	Specific Requirement	Documents required
1.	<b>Registered Legal Entity</b>	<p>The Bidder shall be any person/Company/Society/Proprietorship/ Partnership firm/Trust registered under applicable Act in India/ Government-owned enterprise or institution</p> <p>The Bidder shall be –</p> <p>a) A manufacturer having valid manufacturing and equipment license for the items quoted.</p> <p style="text-align: center;"><b>OR</b></p> <p>b) An Importer* having valid import license and equipment license for the items quoted.</p> <p style="text-align: center;"><b>OR</b></p> <p>c) Authorized Distributor fulfilling all tender conditions.</p> <p>d) Separate Manufacturer's Authorization will be required for each equipment.</p> <p>e) Registered with the GST Authorities.</p> <p>f) Should have a valid PAN number.</p> <p><i>*Importer refers to a legal Entity such as a Company/ Society/ Trust/Partnership firm registered under applicable Act in India/ Government-owned enterprise or institution that engages in the process of bringing equipment or goods from outside India into the country's borders for commercial purposes. Importer itself shall be responsible for supply and maintenance of the equipment as per the terms of RFP and shall not engage any third party for the same)</i></p>	<p>a. Copy of certificate of incorporation/registration along with charter documents like copy of Memorandum and Articles of Association, and other registration documents according to the nature of entity.</p> <p>b. Attested photocopy of valid manufacturing Equipment/import license with product list duly approved by the Licensing Authority for each and every product quoted as per specification in the bid. The license must have been duly renewed up to date and the items quoted shall be clearly highlighted in the license. If quoted item is manufactured at different places, Manufacturing License &amp; Performance certificate should be enclosed.</p> <p>c. Manufacturer's Authorization as per Annexure XIV to be provided by Importer, Authorized distributor</p> <p>d. Copy of GST Registration certificate issued by GSTN authorities.</p> <p>e. Copy of PAN Card.</p>
2.	<b>Certifications/ registration</b>	The Bidder shall have to provide requisite certifications/registration.	<p>a. Certificates of DPIIT (if applicable)</p> <p>b. Original manufacturer's certificate that the product is being used in country of origin.</p> <p>c. Import Export Certificate (IEC Code)</p> <p>d. Affidavit of Importer regarding equipment being imported in India for last three years.</p>
3.	<b>Litigation</b>	The Bidder should not be involved in any major litigation such as fraud, FEMA violations and any other civil or criminal proceedings that may have an impact of affecting or compromising the delivery of services as required under this contract.	Affidavit as per Annexure VII.
4.	<b>EMD/Bid Security</b>	Bidders are required to pay the EMD/Bid Security of <b>₹6,00,000/-</b> through online mode on <a href="https://mahatenders.gov.in">https://mahatenders.gov.in</a> or in the form of <b>BG as per annexure XV</b>	<ul style="list-style-type: none"> <li>• EMD in the form of NEFT/RTGS/BG</li> </ul>

Sr. No.	Basic Requirement	Specific Requirement	Documents required
5.	<b>EMD Exemption</b>	If a Bidder is a Micro Small and Medium Enterprise (“MSME”) / Small Scale Industry (“SSI”) then subject to submission of relevant documents as provided in this table, such Bidder may be exempted from submitting EMD in accordance with Appendix-8 of Govt. Resolution by Industries, Energy & Labour Department, Maharashtra State, dated 1.12.2016.	<ul style="list-style-type: none"> <li>• Requisite Certificate of Micro and Small-scale manufacturing industries registered under Micro, Small and Medium Enterprises development act 2006.</li> <li>• Importer shall produce authorization Certificate from manufacturer as authorized seller as per Annexure XIV</li> <li>• EM-II certificates whenever necessary (mandatory for Medium Enterprises)</li> </ul>
6.	<b>Conflict of Interest</b>	On the date of submission of the proposal, the Bidder should not be involved in any conflict-of-interest situation.	Undertaking by the authorized signatory as per Annexure I
7.	<b>Blacklisting or banned</b>	On the date of submission of the proposal, the Bidder should not be blacklisted or banned by any ministry/department/attached offices/sub-ordinate offices under Government of India and any State government, Autonomous bodies (established by Central/State govt), any Central/State PSUs for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices.	Affidavit as per <b>Annexure VII</b>
8.	<b>Debarment</b>	On the date of submission of the proposal, the Bidder should not be debarred	Affidavit as per Annexure VII.
9.	<b>Average Annual Turnover</b>	Average Annual Turnover (in last three financial years (2022-23, 2023-24, 2024-25) shall be at least <b>Rs. 3 Cr.</b>	Certificate issued by a statutory auditor/chartered accountant (as attached Annexure-IV) along with Audited Financial Statements confirming the Average Annual Turnover of the Bidder during the stated Financial Years must be submitted.
10.	<b>Net Worth</b>	The net worth of the bidder in the financial year (2024-25) should be <b>positive</b> .	Certificate issued by a statutory auditor/chartered accountant (as attached <b>Annexure-IV</b> ).
11.	<b>Technical Capability</b>	Bidder must have successfully undertaken supply, installation & commissioning of quoted Equipment or Medical Equipment & Instruments of an amount of <b>Rs 3 Cr.</b> during last three financial years	The Bidder shall provide the documentary evidence in support of its credentials such as agreement copy/ work order / Letter of Award. This should be supported by work completion certificate/customer satisfaction certificates with customer details and client certificate. Statutory auditor’s certificate or Chartered Accountant’s certificate, as the case may be, shall be submitted for demonstrating the past experience. (as per Annexure number 3)

Sr. No.	Basic Requirement	Specific Requirement	Documents required
12.	<b>Production Capacity / Import Quantity</b>	Production Capacity of the Original Equipment Manufacturer must be minimum 1.5 times of the quoted order quantity in last one financial year.	Certificate of Statutory Auditor/Chartered Accountant For importers and Authorized distributors Certificate of Statutory Auditor/Chartered Accountant of OEM has to be submitted in Annexure III
13.	<b>Service center</b>	In case of Bidder being Manufacturer, the bidder should have at least 2 service centers in state of Maharashtra. In case of Bidder being Importer/Authorized distributor, the bidder should ensure that OEM have at least 2 service centers in state of Maharashtra.	List of at least 2 service centers in Maharashtra with address and contact details shall be provided by the bidder which shall exist for the period of warranty as mentioned and also, during the additional CAMC/AMC period, if awarded. The Importer/Authorized Distributor shall provide an undertaking from OEM that OEM shall have at least 2 service centers for the period of warranty as mentioned and also, during the additional CAMC/AMC period, if awarded.

## 2.1 Conflict of Interest

Conflict of Interest among Bidders/ Agents A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:

- a. they have controlling partner (s) in common; or
- b. they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- c. they have the same legal representative/agent for purposes of this bid; or
- d. they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or
- e. Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid.
- f. In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following: 1. The principal manufacturer directly or through one Indian agent on his behalf; and 2. Indian/foreign agent on behalf of only one principal.
- g. Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid;
- h. In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must

proactively declare such sister/ common business/ management units in same/ similar line of business.

**Cost of bidding:**

The bidder shall bear all costs associated with the preparation and submission of their online bids and the Authority will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

**Corrigendum:**

The bidder shall note that any corrigendum issued regarding this bid notice will be published on the <https://mahatenders.gov.in>.

**Pre-bid meeting:**

The pre-bid meeting will be held at the date, time and venue mentioned in the e-bid Notice.

A prospective bidder requiring any queries/clarification with regard to the bid document shall contact the Authority by letter or email preferably prior to the date of pre bid meeting. Email ID – [maha.mmgpa2023@gmail.com](mailto:maha.mmgpa2023@gmail.com)

The bidder shall submit the Authorization letter nominating a responsible person of the bidder to attend the meetings like pre bid & negotiation meeting.

**The prospective bidder(s) should submit their Queries /Suggestions/ Observations, if any, on or before the schedule date for receipt of queries in writing.**

Only Queries/ Suggestions / Observations received in writing within stipulated scheduled time will be discussed and clarified in pre-bid meeting and any modification of the bid documents, which may become necessary as a result of pre-bid meeting, shall be made by Maharashtra Medical Goods Procurement Authority, Mumbai exclusively through the issue of an addendum/ corrigendum and shall form part of the RFP. The RFP uploaded shall be read along with any modification. Authorized representatives of prospective bidder(s) can attend the said meeting and obtain clarification regarding specifications, scope of works & tender conditions. Authorized representatives should have authorization letter to attend the pre-bid meeting, subject to the condition that queries are submitted in time.

Non-attendance at pre-bid meeting shall not be a cause for disqualification of the bidder. The suggestions/ objections/ queries which are not in consonance with the requirement of the bid & received during pre-bid meeting may not be considered, Maharashtra Medical Goods Procurement Authority, Mumbai reserves the right to accept or reject the same.

**Amendment of bid document:**

- 1.10. At any time prior to the deadline for Sale of bid, the Authority may amend the bid documents by issuing Addendum/Corrigendum.
- 1.11. The bidder will not be communicated separately regarding the amendment. Any amendment to the bid shall be placed on the e-bidding website (<https://mahatenders.gov.in>.)
- 1.12. Any addendum/corrigendum as well as clarification thus issued shall be a part of the bid documents. And it will be assumed that the information contained in the amendment will have been taken into account by the bidder.
- 1.13. To give prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Authority shall extend, at its discretion, the deadline for submission of bids, in which case, the Authority will notify all bidders by placing it on website of the extended deadline and will be binding

on them.

### **Submission of Bids:**

The bid should be submitted online through website <https://mahatenders.gov.in> in two envelopes i.e. **Technical Bid in envelop no.1 & Commercial Bid in Envelop no.2** along with EMD & Bid Fee. **All documents should be properly signed, sealed and then uploaded.**

To prepare and submit the bid/offer online all bidders are required to have e-token based DIGITAL SIGNATURE CERTIFICATE. The Digital signature certificate should be obtained from competent authority; However, the e-tender website or helpline numbers may guide you for obtaining the same.

#### **7.1 Technical Bid (Envelope No. 1):**

Technical offer must be submitted online at <https://mahatenders.gov.in>.in as per the instructions on the portal. The bidder must upload the following documents.

FOLLOWING DOCUMENTS ARE MANDATORY & SHOULD BE ENCLOSED IN SEQUENCE & ORDER, in PDF only along with the table of content:

- 1.13.1.** The instruments such as power of attorney, resolution of board etc. authorizing an officer of the bidder for signing the bid document.
  - 1.13.2.** Authorization letter nominating a responsible person of the bidder to attend the meetings like pre bid & negotiation meeting.
  - 1.13.3.** Attested photocopy of valid manufacturing equipment license with product list duly approved by the Licensing Authority for each and every product quoted as per specification in the bid. The license must have been duly renewed up to date and the items quoted shall be clearly highlighted in the license. However, Loan Licensee/ third party licensee are not allowed.
  - 1.13.4.** Proof of Tender Fee/ EMD paid (if exempted appropriate copies for same)/ BG for EMD as per Annexure XVII.
  - 1.13.5.** The documents comprising the Bid shall also include:
    - Annexure I: Letter Comprising the Technical Bid
    - Annexure II: Compliance Sheet for Pre-qualification Proposal
    - Annexure III: Proforma for Production And Sale Statement
    - Annexure IV: Annual Turnover statement for three years
    - Annexure V: Details of Manufacturing unit
    - Annexure VI: Contract Form
    - Annexure VII: Undertaking for rates, specification, blacklisting status on Stamp paper duly notarized
    - Annexure VIII: Mandate Form
    - Annexure IX: Power of Attorney for signing of Bid
    - Annexure X: Technical Specifications
    - Annexure XI: Compliance sheet for Technical Proposal
    - Annexure XII: Place of delivery
    - Annexure XIII: Self Declaration Affidavit (on Rs.100/- Stamp Paper)
    - Annexure XIV: Manufacturer's Authorization From
    - Annexure XVIII: Checklist duly signed by authorized representative of bidder.
- Copy of Tender Fee RTGS transaction.
  - Copies of Balance Sheet and Profit and Loss Accounts for last three years i.e. (2022-23, 2023-24, 2024-25) certified by the Auditor. If last year's Audit report is not finalized the Tenderer should submit Provisional Audit Report signed by Chartered Accountant.
  - PAN and GST Registration certificate.

- Copy of the GST return of last quarter.
- Attested copy of valid registration made by manufacturer for offered product under Micro & Small, Medium Industries Development Act, 2006.
- EM-II certificates whenever necessary
- Electrical safety standards if required in Technical Specifications
- Incorporation / Registration Certificate of bidder
- All documents required as per point no. 2 eligibility criteria.
- All other documents as per the terms of RFP.

## **7.2 Commercial Bid (Envelope No. 2):**

- a) All Commercial offers must be submitted online <https://mahatenders.gov.in>. as per the instructions given on the portal. No hard copy of commercial bid shall be submitted. In case a bidder submits commercial bid in hard copy, such bid shall be summarily rejected.
- b) Rates should be quoted in the Commercial Bid part-1 of **Annexure XVII only**.
- c) Part-2 of **Annexure XVII** Should be filled by the Bidder. However, it will be used only for the purpose of comparing the rates offered by the bidder in various other bidders.
- d) Price bid in **Annexure XVII** Part-I should not be submitted in technical bid. If the price bid Part-I is submitted in technical bid, the bid will be rejected.

**Deadline for submission of bid – as per schedule mentioned in bid notice.**

### **Opening of Bid:**

On the date and time specified in the bid notice following procedure will be adopted for opening of bid.

#### **1.14. Opening of Technical Bid (Envelope No.1):**

Technical bid (Envelope No.1) of the bid will be opened by the bid opening authority. Bidder is free to attend himself or depute an authorized officer as his representative.

#### **1.15. Opening of Commercial Bid (Envelope No.2):**

The Commercial Bid shall be opened as per e-tendering procedure after the evaluation of the technical bid. The Commercial Bid shall be opened only for those Bidders who are qualified in evaluation of Technical Bid. The date and time of Commercial Bid opening will be communicated electronically through portal.

### **Period of Validity of Bid:**

**1.16.** The bid shall remain valid for a period of 180 days after the date of opening of the technical bid (Envelope No.1)

**1.17.** Prior to the expiration of the bid validity the Authority may request the bidders to extend the bid validity for the period as required by the Authority.

## **Earnest Money Deposit: (EMD)**

- 1.18. All bids must be accompanied by Earnest Money Deposit (EMD – Online)
- 1.19. EMD should be in favor of “Maharashtra Medical Goods Procurement Authority, Mumbai”.
- 1.20. EMD will be Exempted as per schedule -8 of G.R.No. SPO- 2014/Pra.Kra.82/Part-III/Industry-4, dated 01.12.2016 issued by Industry, Energy & Labor Department, Mantralaya, Mumbai-1
- 1.21. Bids that do not include the Earnest Money Deposit (EMD), unless exempted as per the RFP terms, will be promptly rejected.
- 1.22. Unsuccessful bidder's EMD will be discharged/ returned after award of contract to the Selected bidder.
- 1.23. The bidder shall not be entitled for any interest on EMD.
- 1.24. The Selected bidder's EMD will be discharged after signing the Contract and submitting the Performance Security Deposit as stipulated.
- 1.25. The EMD shall be forfeited or if bidder is exempted from EMD, the bidder may be debarred/blacklisted under the following conditions.
  - 1.25.1. Bidder fails to accept the purchase order.
  - 1.25.2. If a bidder withdraws its tender at any stage during the bidding process.
  - 1.25.3. In case of a successful bid, if the bidder fails:
    - i. To sign the Contract in accordance with terms and conditions or.
    - ii. To furnish Performance Security Deposit &/ or processing fee as per bid clause 15

## **Prices:**

- 1.26. The prices quoted and accepted will be binding on bidder and valid for a period of one year from the date of signing of contract and any increase in price during the period of one year will not be entertained.
- 1.27. Purchases may be made on staggered basis as per the requirement of the Authority within one year from the date of signing of the contract.
- 1.28. **Rates should be quoted in Indian Rupees only** for each of the required Equipment separately on consignee address delivery basis according to the unit asked for strictly as per the format of price schedule (**Appendix-II**). Bid for the supply of Equipment with conditions like 'AT CURRENT MARKET RATES' shall not be accepted. The Authority shall not be responsible for damages, handling, clearing, transport and insurance charges and will not be paid. The deliveries should be made as stipulated in the place /consignee address in the purchase order placed with successful tenderer. Conditional bids are not accepted and liable for rejection.
- 1.29. In case of any enhancement in GST/Other taxes due to statutory Act of the Govt. Or any other taxes newly levied by Govt. after the date of submission of bid and during the bid period, the quantum of additional GST/Other taxes so levied will be allowed to be charged extra as separate item without any change in price structure of the equipment and accessories approved under the bid. For claiming the additional cost on account of the increase in GST/Other taxes, the bidder should produce a letter from the concerned Competent Authorities for having paid additional GST/other taxes on the goods supplied to the Authority and can also claim the same in the invoice.
- 1.30. **Fall Clause:**

It is a condition of the contract that all through the currency thereof, the price at which bidder will supply the stores should not exceed the lowest price charged by the bidder to any Govt. Organization / Semi Govt. Organization during the currency of the contract and that in the event

of the prices going down below the contract prices, the bidder shall promptly furnish such information to the Authority to enable him to amend the contract rates for subsequent supplies.

### **Technical Specifications:**

- 1.31. The bidder shall carefully read and understand the technical specifications, quality requirements, applicable standards, Acts & Rules including the Mandatory requirement for substantiation of their compliance without deviating from bid requirements.
- 1.32. The bidder shall carefully read & understand the specifications mentioned in **Annexure X**.

### **Evaluation of bids:**

- 1.33. After opening of technical bid, on the scheduled date, time and venue, contents of the tenders received online through e-tendering process along with all prescribed mandatory documents will be examined.
- 1.34. The Authority shall scrutinize the documents mentioned above for its eligibility, validity, applicability, compliance, and substantiation including post qualification criteria as per bid document.
- 1.35. The Authority shall also analyze that there is no collusive or fraudulent practice involved in the entire tendering process amongst all the tenders received.
- 1.36. The technical scrutiny shall be on the basis of submitted substantiation documents and Medical Device Rules 2017 including allied standards of BIS codes.
- 1.37. 1. All the equipment's supplied should comply and conform to BIS/CE certificate from notified body with a 4 digit number /USFDA certificate. The equipment must be approved by CDSCO and should have ISO-13485 Certificate.
  1. AERB Certificate for Equipment's using Ionizing radiation
- 1.38. Any bid that does not meet the bid conditions laid down in the bid document will be declared as not responsive and such bids shall not be considered for further evaluation. However, the bidders can check their bid evaluation status on the website.
- 1.39. Bids which are in full conformity with bid requirements and conditions shall be declared as responsive bid for opening price bid on the website and price bid of such bidders shall be opened later, on a given date and time.
- 1.40. Authority can call for original documents for verification and any other supporting documents.

### **Technical Qualification Criteria**

- i. Bidders who meet the pre-qualifications/eligibility requirements would be considered as qualified to move to the next stage of Technical and Financial evaluations.
- ii. The Medical equipment offered should meet all the technical and functional specifications given in the **Annexure-X**, Non-compliance to any of the technical and functional specification will attract rejection of the proposal.
- iii. Compliance on each parameter with detailed substantiation how the offered product meets the requirement. (Do not write simply Yes or Complied, If written, then bid will be rejected)
- iv. Bidders, whose bids are responsive, based on minimum qualification criteria as in Pre- Qualification Criteria would be considered technically qualified and proceed for demonstration as per clause no.27

#### **1.41. Commercial Bid Evaluation**

- i. The Financial Bids of technically qualified Bidders will be opened on the prescribed date in the presence of Bidder representatives, who wish to attend.
- ii. The Bidder, who has submitted the lowest combined Commercial bid for all equipment, shall be **selected as the (“Lowest Bidder”)** i.e., L1 Bidder and shall be called for further process leading to the award of the contract.
- iii. Only fixed price financial bids indicating total prices for all the deliverables and services specified in this bid document will be considered.
- iv. The bid price will include all taxes and levies and shall be in Indian Rupees.
- v. Any conditional bid would be rejected.
- vi. Errors & Rectification: Arithmetical errors will be rectified on the following basis: “If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail”

#### **1.42. Final Selection**

- i. The Bidder submitting the lowest combined Commercial bid for all equipment shall be the L-1 Bidder based on the Least Cost methodology (the “L-1 Bidder”). The Bidder whose Proposal is adjudged as responsive and meets the requirements in its technical evaluation in accordance with this RFP and who quotes the lowest price in its Commercial bid shall ordinarily be declared as the selected Bidder (the “Selected Bidder”). In the event that the Authority rejects or annuls all the Bids, it may, in its discretion, invite all eligible Bidders to submit fresh Bids hereunder. In the case of two or more Bidders quoting the same value, the Bidder having the higher annual average turnover as per the eligibility criterion would be the first in sequence.
- ii. In the event that 2 (two) or more Bidders are qualified in terms hereof as L-1 (the “Tie Bidders”), then such Bidder having the higher annual average turnover as per the eligibility criterion would be the first in sequence. Further, if Tie Bidders are found to be having the same average annual turnover also, then the number of projects undertaken in the last 03 (three) years shall be taken into consideration and the Bidder having the higher number of projects shall be awarded as Lowest Bidder. In case, Tie Bidders are found to be having the same number of projects undertaken also, then such Tie Bidders shall be asked to further submit a best and final offer quote (“Best and Final Offer”) which shall be a lower price than their common L-1 quote for being eligible for consideration; and in such event lower price offered with respect to the L-1 quote among them shall be the Selected Bidder.

#### **Performance Security Deposit & Contract.**

- 1.43.** The Selected Bidder shall furnish the Performance Security Deposit to the Authority within 15 days from the date of communication of Selected Bidder for an amount of (3%) of the contract/order value and enter into Contract by paying requisite stamp duty in favor of Govt. of Maharashtra. Cost of stamp duty will be as per The Maharashtra Stamp Act. The cost of Stamp paper should be borne by the bidder.
- 1.44.** The Bidder shall provide Performance Security Deposit in the form of Demand Draft in favor of “Maharashtra Medical Goods Procurement Authority, Mumbai” payable at Mumbai from any Nationalized or Scheduled bank or in the form of Bank Guarantee issued by a Scheduled / Nationalized Bank in the form provided in **Annexure XVI**.
- 1.45.** The Performance Security Deposit will be discharged by the Authority and returned to the Supplier upon receipt of demand form supplier, not later than 60 days following the date of completion of the Supplier's performance obligations, including the warranty obligation, under the contract.
- 1.46.** The Performance security deposit shall be forfeited as a compensation for any loss resulting from the failure to perform the obligations under the contract or in the event of termination of

the contract or in any event as the Authority thinks fit and proper.

- 1.47.** For items quoted by importer/Authorized Dealer, the bidder will enter into Tri parties' agreement. The agreement will be in between Maharashtra Medical Goods Procurement Authority, Mumbai + Importer/Authorized Distributor + Manufacturing Company on Non-Judicial Stamp Paper of requisite value.
- 1.48.** The micro and small enterprises registered with the National Small Industries Corporation (NSIC) and the Micro, Small and Medium Enterprises Development Institute has been exempted from depositing the security amount for the purchase up to Rs. 25,000/- and if the purchase price is higher than Rs. Twenty-Five (25) thousand then, they shall be required to keep the amount to the extent of 3% of the purchase price or Rs. Ten (10) thousand, whichever is less, as security. However, the goods having price more than Rs. Twenty-five (25) thousand, the first twenty-five thousand should not be taken into calculation.

### **Proprietary data and Patent Rights :**

**1.49.** All documents and other information supplied by the Purchaser or submitted by a Bidder to the Purchaser shall remain or become the property of the Purchaser. Bidders are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their Bid. The Purchaser will not return any Bid, or any information provided along therewith.

**1.50.** Patent Rights: The supplier indemnify the purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

### **Award of Contract:**

- 1.51.** The Authority will award the Contract to the Selected Bidder whose bid has been determined to be responsive and has been determined to be the Lowest Bidder (L1).
- 1.52.** The Authority will place supply orders on staggered basis if required during the contract period.
- 1.53.** A contract will not be awarded to the Selected Bidder if Performance Security Deposit is not deposited by him to the Authority within stipulated time limit, if any extension for the submission of performance security has not been asked.
- 1.54.** The Selected Bidder who is liable for award of contract should transfer the Performance Security as per Clause 15 of this RFP.
- 1.55.** The Selected Bidder shall sign the Contract within a period of 15 (fifteen) days of issue of award of Contract.

### **Period of Contract:**

The contract shall commence from the date of its signing and will be valid for a period of twenty four months from the date of supply or delivery of all equipment under the Contract.

### **Deliverables and Timelines**

The Bidder should deliver the medical equipment as per schedule given below:

Sl. No.	Deliverable	Location for Delivery	Timelines
1.	Supply / Delivery of equipment	As per <b>Annexure XII.</b>	Within 60 days for goods manufactured in India and 90 days for Imported goods from the issue of the PO (Purchase Order).
2.	Installation of Equipment		Within 7 Days from the delivery of equipment(s). In Exceptional circumstances due to unavoidable circumstances at Consignee level, CEO MMGPA shall review the situation and allow extension in installation period.
3.	Operational Acceptance of the equipment		Within 7 days from the Installation.
4.	Comprehensive warranty period		3 years from the date of successful installation.
5.	Frequency of visits to consignee addresses concerned during Warranty/CMC		One visits every three months (4 visits in a year) for periodic/preventive maintenance and any time for attending repairs/break down calls.

### Delivery Period:

Sr. No.	Item	Units	Period
1	Deep Freezer 80 Celsius	1	Within 60 days for goods manufactured in India and 90 days for Imported goods from the issue of the PO (Purchase Order).
2	Centrifuge Machine	4	
3	Hot Air Oven	2	
4	Incubator	2	
5	Deep Freezer -18c for Plasma	1	
6	5 Part Cell Counter Machine	2	
7	Fully Automated Bio Chemistry Analyzer	1	
8	USG Machine	2	
9	3 Part Cell Counter Machine	1	
10	Binocular Microscope	3	
11	Cervical Cancer Screening Device	2	
12	Coagulation Analyzer	1	
13	Elisa Raeder with washer	1	
14	Vertical Autoclave	1	
15	Semi Auto Analyzer Bio Chemistry Machine	1	
16	Ventilator - Neonatal , Pediatric, Adult	10	

17	Blood Storage Refrigerator 250 Ltr	4	
18	USG Machine with Colour Doppler & ECO Facility	2	

**Place of delivery:**

The goods should be delivered to the consignee's addresses safely undamaged and tallied. The consignees' addresses are mentioned in **Annexure-XII**

**22A. Transfer of Title of Equipment with Accessories -**

Unless otherwise stated in the contract, notwithstanding any inspection and approval by the consignee on the Selected Bidder's premises, or any payments made to the Selected Bidder, property in the equipment (and resultant rights and liabilities) shall not pass on to the consignee until the equipment have been received, inspected, and accepted by the consignee or its representative. The equipment and every constituent part thereof, whether in the possession or control of the consignee, his agents or servants or a carrier, or the joint possession of the Selected Bidder, his agents or servants and the consignee, its agents, or servants, shall remain in every respect at the risk of the Selected Bidder, until their actual delivery is accepted by the consignee or its representative. The Selected Bidder shall alone be entitled and responsible for making claims against any carrier in respect of non-delivery, short delivery, mis-delivery, loss, destruction, damage, or deterioration of the equipment entrusted to such carrier by the Selected Bidder for transmission to the consignee or its representative.

**22B. Insurance**

Goods should be dispatched at carrier's risk, failing which they should be properly covered by transit Insurance with Government insurance Fund, MHADA, Bandra (East), Mumbai-400 051 or New Address

- 1) The goods are inserted in packages in a safe and in a sound condition,
- 2) According to the normal trade practice packing used is good. Failure to comply with these instructions may result in non-acceptance of transit risk by the Insurance Officer.

**Guarantee/Warranty Terms:**

- a. The Selected Bidder has to warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.
- b. The Selected Bidder further have to warrant that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Tender Inviting Authority's specifications) or from any act or omission of the Selected Bidder, that may develop under normal use of the supplied goods.
- c. All the equipment's including the accessories supplied as per the technical specification as mentioned in the bidding document should carry comprehensive warranty (including all spares) for a period mentioned in this document in the first instance. During this period, the successful Bidder shall replace all defective parts and attend to all repairs/break downs and undertake stipulated number of preventive maintenance visits to every user installation site. The cost of spare parts for all replacements has to be borne by the Selected Bidder during the period of comprehensive warranty. The items which are not covered under warranty should be clearly mentioned along with rate of the items.
- d. On expiration of the comprehensive warranty period, the Selected Bidder shall be willing to provide after sales support for an additional period on mutually agreed terms and conditions.
- e. The prospective Bidder, who is Importer/ Authorized Distributor, shall submit an undertaking from the Original Equipment Manufacturers (OEM) that they are willing to provide spare parts for the period of warranty as mentioned and also, during the additional CMC/AMC period, if awarded. The OEM shall also assure continuity of service to their product, even in the event of change in Authorized service partner/ dealership or the Bidders – their existing Authorized service partner/ dealers shall ensure and provide service during the warranty / CAMC period. The undertaking from OEM is an essential

document forming part of the Technical Bid, without which the tenders will be rejected summarily in the first round itself.

- f. After sales service centers in Maharashtra should be available as part of the pre-qualification and the Bidder shall provide proof of their capability to undertake such maintenance/repair within the stipulated time. (Companies without service center/partner in Maharashtra should give an undertaking that they shall establish/appoint their service center/partner within a period of three months of the signing of contract)
- g. The Selected Bidder shall provide preventive maintenance as per the frequency mentioned in this document during the warranty period. The Bidder shall attend any number of break down/repair calls as and when informed by the Consignee authority.
- h. Upon receipt of such notice for repair/breakdown from the user institution, the Successful Bidder shall, within the period as specified in this document, and with all reasonable speed, repair or replace the defective goods or parts thereof, without cost to the Tender Inviting Authority.
- i. If the successful Bidder, having been notified, fails to rectify the defect(s) within the period specified/mentioned in this document, the Tender Inviting Authority may proceed to take such remedial action as may be deemed necessary, at the Selected Bidder's risk and cost and without prejudice to any other rights which the Tender Inviting Authority may have against the successful Bidder under the contract.
- j. Failure to attend the repairs in time or failure to attend the stipulated preventive maintenance visit or failure to replace the defective equipment's or to provide stand by equipment if the fault/down time exceeds the stipulated period or to ensure the stipulated up-time in a year shall lead to forfeiture of the performance security and/or may lead to blacklisting/debarring of the defaulting Bidder.
- k. The equipment which requires quality assurance test shall be done at free of cost immediately after installation, during the comprehensive warranty period, during the CMC / AMC period, by the demand of User and also when major spares are replaced.
- l. Any mandatory approval required for installation shall be obtained by the successful Bidder in liaison with the respective authorities.
- m. The Bidder shall submit the parameters which require calibration, and the frequency of calibration required.
- n. The Bidder shall undertake on-site calibration of the equipment every year as part of the after sales service during the period of comprehensive warranty, CMC/AMC or on demand from the user.
- o. The Bidder shall also have to submit whether periodic replacements of consumable items are required for proper functioning of their quoted machine/Equipment If yes they should submit the list of such consumables along with price list and frequency of replacement per year, if the same is not replaced free of cost during warranty / guarantee period.
- p. The offered warranty includes:
  - i. Visits to the user institutions at frequencies prescribed as part of preventive maintenance.
  - ii. Testing & calibration as per technical/service/operation manual of the manufacturer or as per the period specified or as per the demand of the user.
  - iii. Quality Assurance tests (if applicable).
  - iv. The cost of labour for all repairs/ and all spares required for replacement during repairs all kinds of accessories, Probes, all types of sensors and transducers, Electrodes, Detectors, battery, battery for UPS, other vaccumatic parts etc. wherever applicable and also the accessories and other devices supplied along with the equipment's which forms part of the equipment system, without which it cannot perform satisfactorily.
  - v. The exclusion of warranty of any vital equipment parts will be compared with offers of other Bidders during evaluation of the bids and this may be taken into consideration in deciding the successful Bidder on the basis of expert advice.
  - vi. The Bidder shall provide up-time warranty of complete equipment as mentioned in this document, the uptime being calculated on 24 (hrs) X 7 (days) basis failing Warranty period will be extended for every additional day of down time equal to one week.
  - vii. The installed software should be the latest one for the particular model and all future software updates should be provided free of cost during the Warranty period.

#### **Warranty Period:**

- a) The "Complete System" shall remain under warranty period of 3 year from the date of satisfactory installation The Complete System should include the basic unit and allied supporting components to be

supplied by the bidder along with basic unit.

- b) During warranty period, bidder shall provide at least four maintenance visits per year at regular interval for usual maintenance and supervision. If bidder fails to provide these maintenance visits at regular interval, a proportionate deduction in the form of damages on pro-rata basis will be recovered from the bidder from the Performance Security amount in accordance with KPIs. In case the Performance Security is not adequate, Authority shall have right to recover the losses / damages from other sources as well.
- c) Bidder shall also attend all breakdown calls within 3-7 days of the receipt of the information from Consignees through fax/e-mail/mobile/SMS etc.
- d) During warranty period, bidder shall maintain and keep 95% uptime per year of the “Complete System.” as per calculation given below: -

**1 Year = 365 days**

**95% of 365 days = 347 Days per annum**

- e) The bidder shall compensate the uptime less than the specified above for every additional day of down time over and above 18 days stipulated above, warranty period will get extended by one week as penalty at no extra cost i.e., the extended penalty period will be equal to one week for every additional day of down time.
- f) During warranty period, bidder will make the “Complete System” in satisfactory working condition. In case, any spare parts need replacement due to normal wear and tear, bidder will supply and install the same for which no additional payment is to be made. If any spares / accessories / consumables etc. are not replaced by the bidder during warranty period, bidder should mention it clearly with name of the items with frequency of replacement and its rate with a validity to cover warranty period.
- g) In case, the bidder is not able to provide services (and the items / accessories is not functioning as the reason thereof) due to natural calamity (act of God), Political unrest, Riot and fire at the user site, then in such a situation the warranty period will be extended by the period for which the item / accessories could not be operated because of supplier not been able to provide services.
- h) During warranty period, in case of any alleged damage due to accident / human error, a committee under the Chairmanship of CEO, MMGPA, Mumbai with one member from the bidder and one member from the Authority will decide the authenticity of the claim. The decision of the committee shall be final and binding on both the parties.
- i) Replacement of equipment's/ parts and service thereof due to manufacturing defects during warranty period will be entirely at the supplier's cost. The expenditure incurred on account of transport, installation, commissioning, and various duties involved in the replacement of equipment's/ parts shall be borne by the supplier.

**After Sales Services: -**

- a) After expiry of the warrantee/Guarantee period of the equipment, the Selected Bidder will have to undertake the Comprehensive Annual Maintenance contract (with spare parts) of the Complete System for the further life span of equipment. The life span of the equipment shall not be less than ten years. In special circumstances the total life span of the Equipment/ items may be reduced by the Authority.
- b) The Complete System should include the basic unit and allied supporting components to be supplied by the bidder along with basic unit.
- c) During Comprehensive Annual Maintenance Contract, bidder shall **provide at least four maintenance visits per year** at regular interval for usual maintenance and supervision. If bidder fails to provide these maintenance visits at regular interval per year, a proportionate deduction in the form of damages at the rate of 1/2% of CAMC contract amount per week will be deducted maximum up to 5%.
- d) Bidder shall also attend all breakdown calls within 3-7 days of the receipt of the information from Consignees through fax/e-mail/mobile/sms etc.
- e) During Comprehensive Annual Maintenance Contract, **bidder** shall maintain and keep **95% uptime** per year of the “**Complete System**” as per calculation given below: -

**1 Year = 365 days**

**95% of 365 days = 347 Days per annum**

- f) The bidder shall compensate the uptime less than the specified above for every additional day of down time over and above 18 days stipulated above, warranty period will get extended by one week as penalty at no extra cost i.e., the extended penalty period will be equal to one week for every additional day of down time.
- g) During Comprehensive Annual Maintenance Contract, **bidder** will make the “**Complete System**” in satisfactory working condition. In case, any spare parts, PCB etc. needs replacement due to normal wear and tear; bidder will supply and install the same for which no additional payment is to be made. **If any**

**spares / consumables / accessories etc. are not covered under Comprehensive Annual Maintenance Contract charges, it should be clearly mentioned with frequency of replacement and with rate. The validity of rate of such items should also be mentioned clearly. What will be the rate of escalation on the quoted rate after expiry of the validity of rate of such item must be mentioned.**

- h) The payment of Comprehensive Annual Maintenance Contract will be made on half yearly basis after submission of satisfactory functioning report of the Complete System by the officials authorized by the Authority.
- i) In case, the **bidder** is not able to provide services (and the items / accessories is not functioning as the reason thereof) due to natural calamity (act of God), Political unrest, Riot and fire at the user site, then in such a situation the Comprehensive Annual Maintenance Contract will be extended by the period for which the item / accessories could not be operated because of supplier not been able to provide services.
- j) During Comprehensive Annual Maintenance Contract, in case of any alleged damage due to accident / human error, a committee under the Chairmanship of CEO, MMGPA, Mumbai, with one member from the bidder and one member from the Authority will decide the authenticity of the claim. The decision of the committee shall be final and binding on both the parties.

### **Comprehensive Annual Maintenance Contract:**

- a) The decision to enter into CMC or AMC will be determined on the basis of cost and complexity of the equipment by the Tender Inviting Authority, at its discretion, prior to the expiration of warranty period. In case if it is decided by Authority to enter into CAMC contract, the vendor will have to submit CAMC agreement at the time of supply of items. The Performance Security Deposit for CAMC contract will be 10% of the CAMC cost.
- b) The Comprehensive Maintenance Contract (CMC) is otherwise an extended warranty. All the terms and conditions agreed by the successful Bidder for executing the comprehensive warranty of the equipment shall be extended during the period of CMC, only difference being the payment of CMC charges is absent during the period of comprehensive warranty.
- c) The cost of CMC, accessories, spares, and consumables as in case may be quoted along with taxes applicable, if any. The taxes to be paid extra, to be specifically indicated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- d) Failure/refusal on the part of the successful tender supplying/installing the equipment's to enter into CMC with the Tender Inviting Authority, at the end of the Comprehensive Warranty Period, if the Authority, as the case may be, desires so, shall lead to forfeiture of performance security and may also result in the blacklisting/debarring of the Bidder.
- e) The payment of the agreed CMC charges will be made as per frequency for payment after satisfactory completion of said period, on receipt of service report/ break down report from the user.
- f) The Bidder shall also have to submit whether periodic replacements of consumable items are required for proper functioning of their quoted machine/Equipment? If yes, they should submit the list of such consumables along with price list and frequency of replacement per year if the same is not included in quoted Comprehensive Annual Maintenance Contract charges per year.
- g) The tenderer will have to agree to enter into an Annual Maintenance Contract (AMC)@ 0.5% per year of the Order value of the machinery / equipment (excluding taxes).
- h) Where required, tenderer will have to agree for Comprehensive Maintenance Contract (CMC) inclusive of all spares @ 5% of the Order value (excluding taxes) of the equipment per year. The period of such AMC / CMC will be of 8 years after completion of warranty period. In case of non-compliance of AMC/CMC the supplier will be liable to pay a damages. Such damages shall be recovered from the amount of the Performance Security submitted. Payment for AMC /CMC on yearly basis will be made by the user's institution, at the end of year after satisfactory performance report from the end user.

### **Key Performing Indicators (KPI)**

Sr. No.	SLA Description	Resolution Target	Liquidated Damage (LD)
1.	Supply/Delivery of equipment(s)	Within 60 days for <b>goods manufactured in India</b> and 90 days for Imported	1/2% per week delay and thereof of the Purchase Order value, maximum up to 5% value of the Purchase Order.

		<b>goods</b> from the issue of the PO (Purchase Order).	
2.	Installation of Equipment	Within 7 days of supply of equipment(s)	1/2% per week delay and thereof of the Equipment Value, maximum up to 5% value of the Equipment
3.	Operational Acceptance of the equipment(s)	Within 7 days of Installation of equipment(s)	1/2% per week delay and thereof of the Equipment Value, maximum up to 5% value of the Equipment
4.	Any defect in EQUIPMENT or any of its part	Resolution: <= 3 Days from the time the call is logged by end user.	1/2% of cost of the Equipment & accessories will be deducted per week up to maximum 5% of PO Value post which purchaser may proceed to take such remedial action as may be necessary. Damages will be recovered from due payment to bidder or from Performance Security deposit. Once the Performance Security deposit get forfeited, the bidder will be required to recoup the Performance Security deposit. If the bidder fails to recoup the Performance Security deposit or settle the damages amount, the bidder will be blacklisted for three years. (Performance Security deposit will be released after settlement of damages.)
5.	Warranty	Resolution: <=3-7 Days from the time the call is logged by end user.	The <b>Selected Bidder</b> must ensure 95% uptime during warranty period. In case of downtime, warranty period will be extended for period of downtime. If the equipment is not attended within 3 days for Mumbai, 7 days for other places the supplier will be liable to pay a damages of 1/2% of purchase cost for every week of delay. Such damages will be recovered from the amount of security deposit. Certificate of such uptime / downtime issued by the end user will be binding for the supplier.
6.	Annual Maintenance Contract (For rendering services)/ The tenderer will have to agree to enter into an Annual Maintenance Contract (AMC)@ 0.5% per year of the Order value of the machinery / equipment (excluding taxes).	Resolution: <=3-7 Days from the time the call is logged by end user.	1/2% per week delay and thereof of the Equipment Value, maximum up to 5% value of the Equipment

7.	<b>Comprehensive Annual Maintenance Contract: -</b> Where required, tenderer will have to agree for Comprehensive Maintenance Contract (CMC) inclusive of all spares @5% of the Order value (excluding taxes) of the equipment per year. The period of such AMC / CMC will be of 8 years after completion of warranty period. In case of non-compliance of AMC/CMC the supplier will be liable to pay damages. Such damages shall be recovered from the amount of the Performance Security submitted. Payment for AMC /CMC on yearly basis will be made by the user's institution, at the end of year after satisfactory performance report from the end user.	Resolution: <=3-7 Days from the time the call is logged by end user.	1/2% per week delay and thereof of the Equipment Value, maximum up to 5% value of the Equipment
----	---	---	---

### **Demonstration:**

Demonstration of quoted product is mandatory for technically qualified bidders before the opening of financial bid. Such bidders shall produce the quoted product for demonstration on the date (approximately within 7 days from the date of declaration of technically qualified bidder) and at the place specified by the MMGPA, Mumbai, India. If the concerned bidder fails to do so, the said bid will be summarily rejected and the EMD will be forfeited. If demonstration / testing of equipment offered by the bidder is found to be non-satisfactory, then the said bid will not be considered, and the bid will be rejected.

Consumables should submit in 3 samples.

In case of Equipment for which it is not possible to arrange demonstration at the MMGPA due to technical reasons like requirement of regulatory certificates and bulky equipment, demonstration shall be arranged at the site where the equipment is stored by the bidder. Demonstration of such equipment shall be done on the date (approximately within 7 days from the date of opening of technical bid) and at the place specified by the MMGPA, Mumbai, India. If the concerned bidder fails to arrange the product for the demonstration, or after the demonstration, the said product does not satisfy the test, the bid of the said bidder will be rejected and EMD will be forfeited. The decision to arrange Demonstration onsite shall be at the sole discretion of CEO, MMGPA and will be binding on all the bidders. The cost of arranging the demonstration shall be borne by the bidder.

The demonstration of equipment should be attended by empaneled members as decided by CEO, MMGPA from members empaneled by Government Resolution dated 31.10.2017. The video recording of the demonstration shall be mandatorily done. Soft copy of the Video Recording shall be handed over to the representative of MMGPA who witnessed the demonstration, at the site itself. Arrangement of Video Recording shall be done by the bidder at their own cost. The demonstration report shall be prepared on same day and signed by all present including representatives of bidder and the report of the demonstration should be scanned and mailed to General Manager (Technical), MMGPA on office mail I.D. on the same day.

### **Pre-dispatch Inspection:**

The Pre-dispatch inspection will be done by a team appointed by CEO, MMGPA prior to shipment and the team will inspect the equipment physically in accordance to the tender specifications and certify the following things: -

- a. The equipment is new and made of virgin material, it is not reconditioned / retrofitted.
- b. The name of the equipment manufacturer, model and serial nos. of equipment & country of manufacturer.

- c. "Maharashtra Government (MMGPA) Supply" shall be affixed on each equipment item by using aluminum strip of appropriate size.
- d. The team shall clearly mention in their report the purchase order no., date and name of consignee.
- e. Packing List: - It shall be issued by original manufacturer/importer/ Authorized Distributor.
- f. Country of origin Certificate: - It shall be issued by competent authority of that country (Chamber of commerce of concerned Country) mentioning Name of manufacturer, consignee, name of equipment, invoice No., Qty. etc.
- g. Original Invoice issued by bidders / manufacturer should contain following details: -
- h. The name of the equipment manufacturer, model, and serial nos. of the equipment.
- i. Name of the consignee -list attached.
- j. Allowances of pre-dispatch inspection team shall be borne by the Bidder.

#### **Consequences of default by Bidder:**

- 1.56. Damages on late delivery:** If the supplier fails to deliver the goods or any consignment thereof within the period prescribed for delivery, the purchaser shall be entitled to recover 1/2 % of the value of the delayed supply for each week of delay or part thereof subject to the maximum of 5%, calculated from the next day after the agreed delivery period is over.
- 1.57. Consequences of inferior standard/supply:** - If the equipment supplied is found of inferior quality or not as per specifications, the contractor shall replace the equipment within one month from the date of intimation at the cost & risk of the contractor and also liable to pay the fine imposed by the consignee, failing which Performance Security Deposit of the contractor shall be forfeited and the tenderer shall be liable for penal action including black-listing etc. In addition to the forfeiture of the Performance Security Deposit, if any fine is imposed by the consignee same shall be recovered from other dues to the contractor from –his bills payable.
- 1.58. Replacement of Rejected materials:** - Tenderer / Contractor shall have to replace rejected material with approved one. The supplier shall remove the rejected material within 15 days failing which the same will be disposed of by consignee at the risk and cost of contractor without any further correspondence in this regard.
- 1.59. Risk & Cost Purchase:** - In case the Contractor/s, shall at any time during the continuance of these presents fails to supply satisfactorily the equipment within the prescribed time as herein provided and or in case shall fail to replace any part/s that may have been rejected with other of approved quality, the consignee shall be at liberty forthwith to procure the same in the open market at the risk and cost of the contractor/s. Similarly if the work underlying the contract is not executed satisfactorily within the stipulated period or after the same having been disapproved wholly or partly is not rectified or re-done to the satisfaction of the Officer in Charge within the said specific period, the consignee shall get the same executed or rectified or re-done through any other agencies, at the entire risk of the supplier and expenses thereby incurred, shall be payable by the supplier and / or may be deducted from any moneys due or become due to the contractor/s and the consignee may, however fix such other subsequent date as he may think fit by which the delivery of the said article and or execution of the said work shall be completed.
- 1.60. Blacklisting:** - The firm shall be black-listed for a period of two years, if it is found that: -
  - a. Forged documents are submitted.

OR

  - b. If it becomes responsive on the basis of submission of bogus certificate / information.
- 1.61.** In case of non-supply of equipment / accessories or supply of substandard quality or supply of equipment / accessories found to have been previously used or having re-furbished parts.
- 1.62.** Replacement of equipment's/ parts and service thereof due to manufacturing defects during warranty period will be entirely at the supplier's cost. The expenditure incurred on account of transport, installation, commissioning, and various duties involved in the replacement of equipment's/ parts shall be borne by the supplier.

### **Third Party Inspection: -**

**1.63.** In the event of challenge raised about the technical specifications or the working of the equipment by the technically disqualified bidder/s or the user department, the CEO, MMGPA, Mumbai will have the authority to appoint third party inspection. The cost of third-party inspection shall be borne by the tenderer, but such “third-party inspection” will be at the discretion of CEO. MMGPA

### **Installation & Site plan:**

Requirement regarding site/location for installation of equipment, if any, should be mentioned in the tender. Time required for installation of system after delivery must be mentioned. In case of delay in installation Authority will have right to charge liquidated damage.

Specify the following points for installation of the System: -

- a) Total power consumption along with breakup of main System and Accessories.
- b) Whether the System needs uninterrupted power supply.
- c) Maximum tolerated transfer time in case of interruption of power supply.
- d) Whether the System needs any humidity control device.
- e) Whether the System needs any separate power line/isolation Transformer.
- f) Does the System need the electrical shielding?
- g) Whether Air Conditioner is required for the System.
- h) Does it require special civil works for installation?

### **Force Majeure:**

If, at any time, during the continuance of this contract the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lock-outs or acts of God (hereinafter referred to as “events”), provided notice of happening of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such nonperformance or delay in performance; and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of purchasing officer as to whether the deliveries have been so resumed or not, shall be final and conclusive, provided further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may at its option terminate the contract PROVIDED ALSO that if the contract is terminated under this clause, the purchaser shall be at liberty take over from the contract at a price to be fixed by the purchasing Officer which shall be final all unused, undamaged and acceptable materials, bought out components and stores in course of manufacture in the possession of the contractor at the time of such termination or such portion thereof as the purchaser may deem fit accepting such material, bought out components and stores as the contractor may with the concurrence of the purchaser elect to retain.

### **Confidentiality:**

- 1.64.** Information relating to the examination, clarification, evaluation, and comparison of bids, and recommendations for the award of a Contract shall not be disclosed to bidders or any
- 1.65.** other persons not officially concerned with such process until the notification of Contract award is made.
- 1.66.** Any effort by the bidder to influence the Authority in the Authority 's bid evaluation, bid comparison, or contract award decisions may result in the rejection of the bidder's bid.

### **Payment:**

Payment against supply order issued under this bid will be made by Maharashtra Medical Goods Procurement

Authority, Mumbai.

Payment of 80% of the of the contract value will be released against receipt of original GST invoice duly supported by acknowledgement of receipt of equipment in good condition certified by concerned facility in charge at consignee location. Remaining 20% payment will be released after successful installation and satisfactory commissioning and operation of the equipment and upon submission of following documents:

- i. 3 copies of supplier's invoice.
- ii. Acceptance certificates issued by the consignees.
- iii. Payments towards the supply of Items will be made strictly as per the rules of MMGPA, Mumbai. The payment will be made through RTGS/ NEFT. The bidder shall furnish the relevant details to make the payment through RTGS/NEFT and the change of Bank Account during the validity of the bid will not be entertained normally.
- iv. The bidder must furnish CRC (Consignee Receipt certificate) IQ, PQ and OQ certificate approved, signed and stamped by the Authorized Consignee.

The Authority shall have every right to deduct the pending dues on account of loss, compensation, or any remedial action in monetary terms from the said payment. The supplier shall not agitate the said issue in future.

### **Corrupt or Fraudulent Practices:**

- 1.67. The Authority as well as bidders shall observe the highest standard of ethics during the procurement and execution of such contracts.
- 1.68. "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- 1.69. "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract to the detriment of Authority and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Authority of the benefits of free and open competition.
- 1.70. "Collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the Authority, designed to establish bid prices at artificial, non-competitive level; and. "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or effect the execution of the contract.
- 1.71. "The Authority will reject a bid for award if it determines that the bidder recommended for award has directly or through an agent engaged in corrupt or fraudulent practices in competing for the contract in question.
- 1.72. The Authority will declare a firm or individual as ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, a contract.

### **Resolution Of Dispute:**

- 1.73. In the event of any question, dispute, or differences in respect of contract or terms and conditions of the contract or interpretation of the terms and conditions or part of the terms and conditions of the contract arises, the parties may mutually settle the dispute amicably.

### **Arbitration:**

- 1.74. In the event of failure to settle the dispute amicably between the parties, the same shall be referred to the sole arbitrator as mutually agreed upon by the parties. The award passed by the sole Arbitrator shall be final and binding on the parties.
- 1.75. The arbitration proceedings shall be carried out as per the Indian Arbitration and Conciliation Act,

1996 and the rules made thereunder. For settlement of all disputes & Arbitration the place of jurisdiction shall be Mumbai, Maharashtra. The language of Arbitration shall be English.

**Governing Language:** English language version of the contract shall govern its Interpretation.

**Applicable laws:**

The contract shall be governed in accordance with the law prevailing in India, Act, Rules, Amendments, and orders made there on from time to time.

**Indemnification:**

The supplier shall indemnify the Authority against all actions, suit, claims and demand or in respect of anything done or omitted to be done by supplier in connection with the contract and against any losses or damages to the Authority in consequence of any action or suit being brought against the supplier for anything done or omitted to be done by the supplier in the execution of the contract. The supplier shall submit an indemnity bond to this effect.

**Jurisdiction: All the suits arising out of the contract shall be authority in the court of competent jurisdiction situated in Mumbai only and not elsewhere.**

**Saving clause:**

No suits, prosecution or any legal proceedings shall lie against the Chief Executive Officer, Maharashtra Medical Goods Procurement Authority, Mumbai, or any person for anything that is done in good faith or intended to be done in pursuance of bid.

## **Appendix I: Pre-qualification-cum-Technical Bid Templates**

### **I. General**

The Bidders are expected to respond to the RFP using the forms given in this section and all documents supporting Pre-Qualification / Technical Evaluation Criteria.

Pre-Qualification Bid & Technical Proposal shall comprise of following forms:

#### **Annexure to be used in Pre-Qualification cum Technical Proposal (Envelope 1)**

Annexure I: Letter Comprising the Technical Bid

Annexure II: Compliance Sheet for Pre-qualification Proposal

Annexure III: Proforma for Production And Sale Statement

Annexure IV: Annual Turnover statement for three years

Annexure V: Details of Manufacturing unit

Annexure VI: Contract Form

Annexure VII: Undertaking for rates, specification, blacklisting status on Stamp paper duly notarized

Annexure VIII: Mandate Form

Annexure IX: Power of Attorney for signing of Bid

Annexure X: Technical Specifications

Annexure XI: Compliance sheet for Technical Proposal

Annexure XII: Place of delivery

Annexure XIII: Self Declaration Affidavit (on Rs.100/- Stamp Paper)

Annexure XIV: Manufacturer's Authorization Form

Annexure XV: Format for EMD Bank Guarantee if not submitted online.

Annexure XVIII: Checklist duly filled and signed by the bidder's Authorized representative.

**Annexure I: Letter Comprising the Technical Bid**

**To,  
Chief Executive Officer,  
Maharashtra Medical Goods Procurement Authority,  
1st Floor, Aarogya Bhawan,  
Near CSMT Railway Station,  
Mumbai 400001 (Maharashtra)**

***Subject: Request for Proposal (RFP) for.....***

Dear Sir,

Having examined the bid document and addendum/corrigendum, if any the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the goods under the above-named Contract in full conformity with the said bid document and our financial offer in the Price schedule submitted in Envelop No. 2 which is made part of this bid.

We undertake that all information provided in our bid and in the Appendices is true and correct and all documents accompanying such bid are true copies of their respective originals.

We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the bid document.

We undertake that as on the date of submission of the proposal, we are not involved in any conflict-of-interest situation.

If our bid is accepted, we undertake to submit the security deposit in the form, in the amounts, and within the times specified in the bid document.

We agree to abide by this bid for the Bid Validity Period specified in the bid document and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until the formal final Contract is prepared and executed between us, this bid together with your written acceptance of the bid shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any bid you may receive.

We agree and undertake to abide by all the terms and conditions of the RFP Document. In witness thereof, We submit this Proposal under and in accordance with the terms of the RFP Document.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

In the capacity of \_\_\_\_\_

Duly authorized to sign this bid for and on behalf of \_\_\_\_\_

Signature & stamp of bidder

## Annexure II: Compliance sheet for Pre-Qualification Proposal

(The pre-qualification proposal should comprise of the following basic requirements. The documents mentioned in this compliance sheet along with this form, needs to be a part of the Pre-Qualification proposal)

Sr. No.	Basic Requirement	Specific Requirement	Documents required
1.	<b>Registered Legal Entity</b>	<p>The Bidder shall be any person/Company/ Society/Proprietorship/ Partnership firm/Trust registered under applicable Act in India/ Government-owned enterprise or institution</p> <p>The Bidder shall be –</p> <p>a) A manufacturer having valid manufacturing and equipment license for the items quoted.</p> <p style="text-align: center;"><b>OR</b></p> <p>b) An Importer* having valid import license and equipment license for the items quoted.</p> <p style="text-align: center;"><b>OR</b></p> <p>c) Authorized Distributor fulfilling all tender conditions.</p> <p>d) Separate Manufacturer's Authorization will be required for each equipment.</p> <p>e) Registered with the GST Authorities.</p> <p>f) Should have a valid PAN number.</p> <p><i>*Importer refers to a legal Entity such as a Company/ Society/ Trust/Partnership firm registered under applicable Act in India/ Government-owned enterprise or institution that engages in the process of bringing equipment or goods from outside India into the country's borders for commercial purposes.</i></p> <p><i>Importer itself shall be responsible for supply and maintenance of the equipment as per the terms of RFP and shall not engage any third party for the same)</i></p>	<p>a. Copy of certificate of incorporation/registration along with charter documents like copy of Memorandum and Articles of Association, and other registration documents according to the nature of entity.</p> <p>b. Attested photocopy of valid manufacturing Equipment/ import license with product list duly approved by the Licensing Authority for each and every product quoted as per specification in the bid. The license must have been duly renewed up to date and the items quoted shall be clearly highlighted in the license. If quoted item is manufactured at different places, Manufacturing License &amp; Performance certificate should be enclosed.</p> <p>c. Manufacturer's Authorization as per Annexure XIV to be provided by Importer, Authorized distributor</p> <p>d. Copy of GST Registration certificate issued by GSTN authorities. In case of</p> <p>e. Copy of PAN Card.</p>
2.	<b>Certifications/ registration</b>	<p>The Bidder shall have to provide requisite certifications/registration.</p>	<p>a. Certificates of DPIIT (if applicable)</p> <p>b. Original manufacturer's certificate that the product is being used in country of origin.</p> <p>c. Import Export Certificate (IEC Code)</p> <p>d. Affidavit of Importer regarding equipment being imported in India for last three years.</p>

Sr. No.	Basic Requirement	Specific Requirement	Documents required
3.	<b>Litigation</b>	The Bidder should not be involved in any major litigation such as fraud, FEMA violations and any other civil or criminal proceedings that may have an impact of affecting or compromising the delivery of services as required under this contract.	Affidavit as per Annexure VII.
4.	<b>EMD/Bid Security</b>	Bidders are required to pay the EMD/Bid Security of ₹ 6,00,000/- through online mode on <a href="https://mahatenders.gov.in">https://mahatenders.gov.in</a> . or in the form of BG as per annexure XV	<ul style="list-style-type: none"> <li>• EMD in the form of NEFT/RTGS/BG</li> </ul>
5.	<b>EMD Exemption</b>	If a Bidder is a Micro Small and Medium Enterprise (“MSME”) / Small Scale Industry (“SSI”) then subject to submission of relevant documents as provided in this table, such Bidder may be exempted from submitting EMD in accordance with Appendix-8 of Govt. Resolution by Industries, Energy & Labour Department, Maharashtra State, dated 1.12.2016.	<ul style="list-style-type: none"> <li>• Requisite Certificate of Micro and Small-scale manufacturing industries registered under Micro, Small and Medium Enterprises development act 2006.</li> <li>• Importer shall produce authorization Certificate from manufacturer as authorized seller as per Annexure XIV</li> <li>• EM-II certificates whenever necessary (mandatory for Medium Enterprises)</li> </ul>
6.	<b>Conflict of Interest</b>	On the date of submission of the proposal, the Bidder should not be involved in any conflict-of-interest situation.	Undertaking by the authorized signatory as per Annexure I
7.	<b>Blacklisting or banned</b>	On the date of submission of the proposal, the Bidder should not be blacklisted or banned by any ministry/department/attached offices/sub-ordinate offices under Government of India and any State government, Autonomous bodies (established by Central/State govt), any Central/State PSUs for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices.	Affidavit as per <b>Annexure VII</b>
8.	<b>Debarment</b>	On the date of submission of the proposal, the Bidder should not be debarred	Affidavit as per Annexure VII.
9.	<b>Average Annual Turnover</b>	Average Annual Turnover (in last three financial years (2022-23, 2023-24, 2024-25) shall be at least <b>Rs 3 Cr.</b>	Certificate issued by a statutory auditor/chartered accountant (as attached Annexure-IV) along with Audited Financial Statements confirming the Average Annual Turnover of the Bidder during the stated Financial Years must be submitted.
10.	<b>Net Worth</b>	The net worth of the bidder in the financial year (2024-2025) should be <b>positive</b> .	Certificate issued by a statutory auditor/chartered accountant (as attached <b>Annexure-IV</b> ).

Sr. No.	Basic Requirement	Specific Requirement	Documents required
11.	<b>Technical Capability</b>	Bidder must have successfully undertaken supply, installation & commissioning of quoted Equipment or Medical Equipment & Instruments of an amount of <b>Rs 3 Cr.</b> during last three financial years (2022-23, 2023-24, 2024-25)	The Bidder shall provide the documentary evidence in support of its credentials such as agreement copy/ work order / Letter of Award. This should be supported by work completion certificate/customer satisfaction certificates with customer details and client certificate. Statutory auditor's certificate or Chartered Accountant's certificate, as the case may be, shall be submitted for demonstrating the past experience. (as per Annexure number III)
12.	<b>Production Capacity / Import Quantity</b>	Production Capacity of the Original Equipment Manufacturer must be minimum 1.5 times of the quoted order quantity in last one financial year.	Certificate of Statutory Auditor/Chartered Accountant For importers and Authorized distributors Certificate of Statutory Auditor/Chartered Accountant of OEM has to be submitted in Annexure III
13.	<b>Service center</b>	In case of Bidder being Manufacturer, the bidder should have at least 2 service centers in state of Maharashtra.  In case of Bidder being Importer/Authorized distributor, the bidder should ensure that OEM have at least 2 service centers in state of Maharashtra.	List of at least 2 service centers in Maharashtra with address and contact details shall be provided by the bidder which shall exist for the period of warranty as mentioned and also, during the additional CMC/AMC period, if awarded.  The Importer/Authorized Distributor shall provide an undertaking from OEM that OEM shall have at least 2 service centers for the period of warranty as mentioned and also, during the additional CMC/AMC period, if awarded.

**Annexure III: Proforma for Production And Sale Statement**  
**(For a period of last 3 Years)**

*(To be submitted on the letterhead of the Statutory Auditor/ Chartered Accountant of the Bidder)*

Sr. No.	Year	Name and full Address of the Purchaser	Purchasing Entity (Gov./Semi Gov./Other)	Name of the Product	Purchase Order No. & Date	Purchase Order Quantity	Purchase Order Value (in Rs.)	Quantity		PO Copy enclosed on Pg. No.
								Manufactured Qty	Sold Qty	
1	2022-23									
2	2023-24									
3	2024-25									

Add rows as per requirement.

Note:

1. In support of above statement, enclose the copies of supply orders with client's satisfactory certificates. All purchase orders should be enclosed in the sequence as per the data provided in table above.
2. All the data provided in the above table has been verified by undersigned CA.

Name, Membership number and signature of the Chartered Accountant:

UDIN:

Name and seal of the firm:

Location, Date:

Authorized Signature (*PoA holder*)

*[In full and initials with Seal]:*

Name and Title of Signatory:

Name of Bidder (*Firm/ Organization's name*):

Address:

Telephone:

Email:

*(Name and seal of the Bidder)*

*[Location, Date]*

Disclaimer: If, 1. The bidder is OEM , then the details of Annexure III of production in last three years

The bidder is Authorized distributor, then the details of Annexure III of sale in last three years

#### **Annexure IV: Average Annual Turnover and Net Worth of the Bidder**

*(To be submitted on the letterhead of the Statutory Auditor/ Chartered Accountant of the Bidder)*

The Average Annual Turnover and Net Worth details of M/s \_\_\_\_\_ for participation under the RFP are given below and certified that the statement is true and correct.

<b>Sr. No.</b>	<b>Year</b>	<b>Turnover (In Rs. )</b>	<b>Positive Net worth (Yes/ No)</b>
1	2022-23		
2	2023-24		
3	2024-25		
4	<b>Average Annual Turnover of above 3 years</b>		

This is to certify that the Net worth of (*name of Bidder*) is Positive for last 3 (three) Financial Years i.e., (2022-23, 2023-24, 2024-25) as per the Audited Financial Statements.

For the purposes of this RFP, net worth (the “**Net Worth**”), in case of Company shall mean the aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write-back of depreciation and amalgamation.

For other eligible entities, the Net Worth shall mean the amount derived by subtracting the liabilities from the corpus and reserve amounts as certified by the chartered accountant/statutory auditor having valid registration.

**Note:**

- Certificate issued by a statutory auditor/chartered accountant along with Audited Financial Statements confirming the average annual turnover of the Bidder during the stated financial years must be submitted on the letterhead of the Statutory Auditor.
- Provide supporting Audited Financial Statements (Balance Sheets, Profit and Loss Statements, etc.) of the bidding organization/ firm.

Name, Membership number and signature of the Chartered Accountant:

UDIN

Name and seal of the firm:

Location, Date:

Authorized Signature (*PoA holder*)

*[In full and initials with Seal]:*

Name and Title of Signatory:

Name of Bidder (*Firm/ Organization's name*):

Address:

Telephone:

Email:

*(Name and seal of the Bidder)*

*[Location, Date]*

**Annexure V: Details of Manufacturing Unit**

1. **Name of the Manufacturer:**
2. **Full address:**
3. **Phone Nos.:**
4. **Fax No.:**
5. **Email ID:**
6. **Date of inception:**
7. **License No. & date:**
8. **Issued by:**
9. **Valid up to:**
10. **RTGS (Real Time Gross Settlement) System or Core Banking A/c No.:**
11. **Details of installed production capacity for 1 year:**

Sr. No.	Equipment name	Total Production Capacity	Actual Production	Installed Quantity
1				
2				
3				

**Date:**

**Seal**

**Signature**

**Name (in capital letters)**

**Note: The details of manufacturing unit shall be for the premises where item quoted are actually manufactured.**

## THE DETAILS OF FACTORY PREMISES

Person In-charge of Factory

Name :

Phone No. :

Mobile No. :

Nearest Land mark of Factory:

Layout

Km from Airport :

Name of the Airport and City:

Km from Railway Station :

Name of the Railway Station:

Km from Bus Stand :

Name of the Bus Stand  
and City :

Name of designation of the authorized signatory

**Note: The details of manufacturing unit shall be for the premises where item quoted are actually manufactured.**

## Annexure VI: Contract Form

(Stamp duty as applicable as per MSA)

THIS AGREEMENT made the .....day of....., 200... Between.....  
(Name of Authority) of..... (Country of Authority) (Hereinafter "the Authority") of the one part  
and..... (Name of Supplier) of..... (City and Country of Supplier) (Hereinafter  
called "the Supplier") of the other part:

WHEREAS the Authority is desirous that certain Goods and ancillary services viz. (Brief  
Description of Goods and Services) be procured and has accepted a bid by the Supplier for the supply  
of those goods and services in the sum of..... (Contract Price in Words  
and Figures) (Hereinafter called "the Contract Price"). Whereas the supplier has deposited a Demand  
Draft in favor of "Maharashtra Medical Goods Procurement Authority, Mumbai" payable at Mumbai  
from any Nationalized or Scheduled bank of Rs..... (Rs. in words.....) as performance  
security towards the fulfillment of this agreement.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are  
respectively assigned to them in the Conditions of Contract referred to.
2. The contractor has accepted the contract on the terms and condition set out in notice  
No.-----  
.....as well in the Acceptance Letter No : - .....Dt:.....  
-----which will hold good during the period of this agreement.

3. The following documents shall be deemed to form and be read and construed as part  
of this Agreement, viz.:

- (a) The Price List submitted by the Supplier;
- (b) The Schedule of Requirements;
- (c) The Technical Specifications;
- (d) Terms & conditions of tender document.
- (e) The Authority's Notification of Award.

4. In consideration of the payments to be made by the Authority to the Supplier as  
hereinafter mentioned, the Supplier hereby covenants with the Authority to provide the  
goods and services and to remedy defects therein in conformity in all respects with the  
provisions of the Contract.

5. The Authority hereby covenants to pay the Supplier in consideration of the provision of  
the goods and services and the remedying of defects therein, the Contract Price or such  
other sum as may become payable under the provisions of the Contract at the times and  
in the manner prescribed by the Contract.

6. Upon breach by the supplier of any of the condition of the agreement, the Chief  
Executive Officer may by a notice in writing resolving, determine and put an end to this  
agreement without prejudice to the right of the Government to claim damages for  
antecedent breaches thereof on the part of the supplier and also to responsible  
compensation for the loss occasioned by the failure of the supplier to fulfill the  
agreement as certified in writing by the Chief Executive Officer which certificate shall

to conclusive evidence of the amount of such compensation payable by the supplier to the Government.

7. This Agreement shall remain in force until the expiry of 24 (Twenty Four) months from the date of supply or delivery of all equipment under the Contract but notwithstanding herein or in the tender and acceptance forms contained, the Government shall not be bound to take the whole or any part of the estimated quantity herein or therein mentioned and may cancel the contract at any time upon giving one month's notice in writing without compensating the Supplier.
8. The Supplier has fully read, understood & shall abide by all the term and conditions as stipulated in Bidder document, failing which the Contract Agreement is liable to be terminated at any time without assigning any reason by the Maharashtra Medical Goods Procurement Authority, Mumbai.
9. Any change/amendments if required to be incorporated in the Agreement at a later stage shall be discussed & mutually agreed by both the parties and supplementary agreements shall be binding on both the parties and shall form the part of this agreement.
10. This Contract Agreement shall be governed by and construed in accordance with the laws of Republic on India.

Brief particulars of the goods and services which shall be supplied/provided by the Supplier areas under:

Sr. No.	BRIEF DESCRIPTION OF GOODS & SERVICES	QUANTITY TO BE SUPPLIED*	UNIT PRICE	TOTAL PRICE	DELIVERY TERMS
					<b>As per the supply order</b>

1. Actual quantity to be supplied may vary & will be strictly as per actual requirement.
2. Actual supply to take place only after & as per the supply order(s) issued by Maharashtra Medical Goods Procurement Authority, Mumbai from time to time.

Tender Document is a part & parcel of the contract.

4. All terms & conditions will apply as per Maharashtra Government Industries Department, Stores Purchase Rules issued vide Government Resolution no. 82 dated 1.12.2016 and other applicable Government Resolutions.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the Said. (For the Authority) in the presence of:.....

Signed, Sealed and Delivered by the

Said..... (For the Supplier) In the presence of....

Following documents to be submitted in original to this office

1. **Proof of all documents inclusive of all Appendices and Annexures of this RFP**

**Address for communication:**

**Office of the ---  
Chief Executive Officer,  
Maharashtra Medical Goods Procurement  
Authority,  
1st Floor, Aarogya Bhawan,  
Near CSMT Railway Station,  
Mumbai 400001 (Maharashtra)**

**Annexure VII: Non-Blacklisting Affidavit**

**Undertaking for rates, specification, blacklisting status on Stamp paper duly notarized  
AFFIDAVIT on Non-Judicial Stamp Paper of Rs. 100/-  
(Original copy To be submitted to this office)**

**Undertaking for rates, specification, blacklisting status on Stamp paper duly notarized**

**Reference: Tender No. E- /MMGPA/ Equipments For Women and New Born  
Hospital Chhatrapati Sambhajinagar Group B**

1. I/We undertake to provide the drugs/medicines/equipment's as required by Maharashtra Medical Goods Procurement Authority, Mumbai and there will be no deviation in composition, quality, packing etc.
2. The firm .....(Name of the Firm) has not been found guilty of malpractices, misconduct or blacklisted/debarred/ deregistered for the quoted product by any department of Govt. of Maharashtra or by any local authority and semi Govt. organization and other State Government/Central Government's organizations/ procurement corporation as on the date of submission tender document for the quoted items."
3. The firm is not involved in any major litigation such as fraud, FEMA violations and any other civil or criminal proceedings that may have an impact of affecting or compromising the delivery of services as required under this contract.

**Seal**

**Signature**

**Date**

**Place**

### Annexure VIII: Mandate Form

01	Company Name	
02	Postal Address of the company with Telephone No., Fax No. and Mail address	
03	Name of the Managing Director/ Director/Manager Mobile No./Phone No. E-mail address	
04	Name and designation of the authorized company official Mobile No./Phone No. E-mail address	

#### Bank Details

01	Name of the Bank  Branch Name & Address;  Branch Code No.  Branch Manager Mobile No.  Branch Telephone no.  Branch E-mail ID	
02	9 digit MICR code number of the bank and branch appearing on the MICR cheque issued by the bank.	
03	IFSC code of the Branch	
04	Type of Account (Current/Savings)	
05	Account Number (as appear in cheque book)	

(Please **attach the original cancelled cheque** issued by your bank for verification of the above particulars)

I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold Maharashtra Medical Goods Procurement Authority, Mumbai responsible for the same. I have read the conditions of tender / agreement entered and agrees to discharge the responsibility expected of me/from the company as a tenderer/ successful bidder.

Date: \_\_\_\_\_ Company seal

Signature

Place:  
designation)

(Name of the person signing &

---

CERTIFIED THAT THE PARTICULARS FURNISHED ABOVE BY THE COMPANY ARE  
CORRECT AS PER OUR RECORDS

Bank Seal with address

Signature of the Authorized  
Official of the bank

---

**Annexure IX: Power of Attorney for signing of Bid**

Know all men by these presents, We \_\_\_\_\_ (Name of the firm

and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr./ Ms. (name), son/daughter/wife of and presently residing at \_\_\_\_\_, who is presently employed with us and holding the position of \_\_\_\_\_, as our true and lawful attorney (hereinafter referred to as the “**Attorney**”) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid for qualification and submission of our Bid for [\*\*\*] (Project) for the [\*\*\*] (the “**Authority**”) including but not limited to signing and submission of all Bids, bids and other documents and writings, participate in Pre-bid and other meetings/conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Agreement with the Authority.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds, and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, \_\_\_\_\_, THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 2\_\_\_\_\_

For

\_\_\_\_\_  
(Signature, name, designation, and address)

Witnesses:

1.(Notarized)

2.Accepted

\_\_\_\_\_  
(Signature)

(Name, Title and Address of the Attorney)

Notes:

The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure. Wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a board or shareholders’ resolution/ power of attorney in favor of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder. For a Power of Attorney executed and issued overseas, the document shall also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Apostille certificate.

## Annexure X Technical specifications

### Technical Specifications

<b>Technical specification for Deep freezer 80 Celsius</b>	
1	Should reach Minimum temperature 86°C (in AC room)
2	Insulation (CFC free polyurethane foam) at least Body: 155 mm sides, 325 mm Back, Door: 110 mm
3	Temperature control should be through Microprocessor with PT-100 sensor
4	At least Display 7" Touch Screen
5	Door open alarm should be Audio visual alarm in case door open for over one minute
6	Should have Chart recorder In-built 7 days circular chart recorder
7	Internal body material S.S. 304 (AISI Grade, non corrosive, not magnetic)
8	External body material Powder coated CRCA steel
9	Noise Level less Than 65 db(A)
10	Battery- Rechargeable, Back Up 8 hrs. (for alarm system & temperature record)
11	Internal Volume 100 -600 ltrs.
12	No of Plasma Bags capacity 150 bags
13	Should have at least 2 tray
14	Warranty should be of two years and further AMC/CAMC for next five years
15	Post sales service should be available locally
<b>Technical specification of Centrifuge Machine</b>	
Sr. No.	Tender Specifications
1	Microprocessor controlled laboratory centrifuge with brushless induction motor with frequency drive, suitable for routine sample analysis in hospitals and pathology lab for minimum 20 or more tubes of 15 ml each with various adaptors
2	Should be supplied with Swing Out Rotor of 8×15 ml glass tubes
3	Should be able to achieve 4000 RPM and 2300 G force fixed angle.
4	Should have safety lid interlock to prevent lid opening during centrifugations.
5	Should have imbalance detection and centrifuge stop with display of error.
6	Should have gas hinges to prevent door fillings with emergency lid lock release.
7	Should able to give stable speed output even under unstable voltage conditions.
8	Should have feather touch setting keys
9	Should have large LED display for speed and RCF.
10	Should have Motor Overload Protection
11	It should be ISO Certification and should be European CE or USFDA registered
12	Warranty should be of two years and further AMC/ CAMC for next five years
13	Post sales service should be available locally
<b>Technical specification of Hot Air Oven</b>	
Sr. No.	Tender Specifications
1	Size- table top volume of 50ltr (approx.)
2	Digitally Microprocessor controlled equipment suitable for daily usage for sterilization – microprocessor based
3	Should have double walled construction, special high quality insulated steel interior

	material – stainless steel
4	Facility for adjustable shelves, removable shelves to be provided
5	Insulated door fitted with heavy hinges, mechanical door lock
6	Temperature range ambient to 300 deg. c or more, digitally temperature setting accuracy with digital display
7	Temp. uniformity + 1 deg. C
8	Should have forced air convection for uniform temperature
9	Dimension : chamber ( in mm) [W×D×H] – 420×395×350 (approx.) Exterior (in mm) [W×D×H] - 720×590×520 (approx.)
10	Should have a timer function, time range 1-999 min
11	Power supply : 100-240 VAC, 50/60 Hz
12	Any other requisite spares / accessories should be provided
13	CE / USFDA Compliance from ISO 13485 certified manufacturer
14	Warranty should be of two years and further AMC/CAMC for next five years
15	Post sales service should be available locally

#### **Technical specification of Incubator**

Sr. No.	Tender Specifications
1	Size-table top volume of 50 ltr. (approx.)
2	Digitally Microprocessor controlled equipment suitable for daily usage for sterilization – microprocessor based
3	Should have double walled construction, special high quality insulated steel interior material-stainless steel
4	Facility for adjustable shelves, 2 removable shelves to be provided
5	Insulated door fitted with heavy hinges, mechanical door lock
6	Temperature range Room Temperature +5 deg. To 65 degree C, digitally temperature setting accuracy with digital display
7	Temperature uniformity + 1 deg. C
8	should have Forced air convection for uniform temperature
9	Dimension: chamber (in mm) [W×D×H]-415x360x355 (approx.) Exterior (in mm) [WxDxH]-690x500x500(approx.)
10	Should have a timer function, time range 1-9999 min
11	should have full inner Glass door for easy observation without disturbing the samples
12	Power supply: 100 ·240 VAC, 50/60 Hz
13	Any other request spares / accessories should be provided
14	CE / USFDA Compliance from ISO 13485 certified manufacturer
15	Warranty should be of two years and further AMC/CAMC for next five years
16	Post sales service should be available locally

#### **Technical Specifications o Deep freezer 18 Degree for Plasma**

Sr. No.	Tender Specifications
1	Should reach Minimum temperature (in AC room)
2	should have Plastic inner chamber, Outer body pre painted G.I.
3	Should have Sealed drawers - prevent frost loss from open door
4	Should have Solid state temperature controller
5	Should have Adjustable baskets I shelves 6 Nos

6	Should have Low energy consumption and noise levels
7	Should have Quick freezing function
8	Warranty should be of two years and further AMC/CAMC for next five years (600 Lit)
9	Post sales service should be available local
10	Stabilizer
	<b>Technical specification for 5 part cell counter</b>
	The 5 part cell counter should have following technical specifications
	Principle & Technology
	<ul style="list-style-type: none"> <li>Counting Method : Impedance method for RBC and PLT</li> <li>Haemoglobin measurement : Cyanide-free reagent</li> <li>WBC Differentiation : Flow cytometry + Laser scatter + Chemical dye</li> <li>Differential : 5-part WBC differential</li> </ul>
	It should have below reportable parameters
	<ul style="list-style-type: none"> <li>Minimum twenty five routine parameters : WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC</li> <li>Additionally have four Research Parameters: LIC%, LIC#, ALY%, ALY#</li> <li>Graphs : 3 Histograms (WBC, RBC, PLT), 3 Scattergrams</li> </ul>
	Performance
	<ul style="list-style-type: none"> <li>Throughput : 60 samples/hour</li> <li>Sample Volume : <ul style="list-style-type: none"> <li>Whole blood : 15 <math>\mu</math>L</li> <li>Capillary whole blood : 15 <math>\mu</math>L</li> <li>Prediluted : 20 <math>\mu</math>L</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>Precision &amp; Linearity : <ul style="list-style-type: none"> <li>WBC : <math>0-500 \times 10^9/L</math> , <math>\leq 2\%</math> precision, <math>\leq 0.5\%</math> carryover</li> <li>BBC : <math>0-8 \times 10^{12}/L</math> , <math>\leq 1.5\%</math> precision, <math>\leq 0.5\%</math> carryover</li> <li>BGB : <math>0-250</math> g/L, <math>\leq 1.5\%</math> precision, <math>\leq 0.6\%</math> carryover</li> <li>PLT : <math>0-5000 \times 10^9/L</math> , <math>\leq 4\%</math> precision, <math>\leq 1.0\%</math> carryover</li> </ul> </li> </ul>
	User Interface & Connectivity
	<ul style="list-style-type: none"> <li>Display : 10.4- inch TFT Touch Screen</li> <li>Data Storage : Up to 40,000 results (numeric+ graphical)</li> <li>Connectivity : USB, LAN (HL7 protocol ), LIS support (uni-/bi-directional)</li> <li>Printer Support : External laser /inkjet, customizable formats</li> </ul>
	Operating Conditions
	<ul style="list-style-type: none"> <li>Temperature : 10°C to 30°C</li> <li>Humidity : 20% to 85%</li> <li>Air Pressure : 70 kPa to 106 kPa</li> <li>Power Supply : 100V-240V, 50/60Hz</li> </ul>
	Physical Dimensions
	<ul style="list-style-type: none"> <li>Size : should be in range of 400 mm (D) <math>\times</math> 320 (W) <math>\times</math> 410 mm (H)</li> <li>Weight : Less than 25 kg</li> </ul>
	Warranty & CMC – Instrument should be supplied with two years warranty and next five year CMC

	Post sales service should be available locally.
	With UPS
Sr. No.	<b>Tender Technical Specification for fully automated biochemistry analyser</b>
1	Fully automated Clinical Chemistry with ISE, multichannel, random access should be cable of perform test like substrates, enzymes, electrolytes, serum proteins, Immuno turbid metric assays.
2	Instrument should able to perform more than 400 test/hour photometric and 600 tests-with-ISE sts per hour-Na, K, CL
3	Cuvette: Reaction cuvettes should be 90 reusable cuvettes & reaction temperature should maintain 37 degree
4	Instrument should be able perform serum, plasma, Urine, CSF samples
5	Instrument Must have HbA1c onboard automatic hemolysis preparation for whole blood samples for HbA1c
6	Should have throughput for HbA1c should be minimum 75 samples per hour.
7	Instrument must have grating system with optical absorbance 0-3.5A
8	Instrument should have facility to load more than 100 samples at a time
9	Instrument should have at least 90 reagent positions and 3 ISEs
10	Should have two probes for sample and reagent handling with carry over less than .05%.
11	Probes should have level sensing, Collision protection.
12	Sample volume should be in the range of 1.5-45µl with step up of 0.1µl
13	Instrument should have facility to perform automatic dilution (pre & post), reflex testing, automatic reruns
14	Should have two independent mixtures with speed detection facility.
15	Reagent volume required should be 10-200 µl with step up of 0.5 µl and minimum reaction volume 100 µl
16	On board refrigeration temperature should be in the range of 2-8 degree Celsius to avoid reagent deterioration & frequent calibration
17	Should have at least 8 Step Washing.
18	Instrument should have mechanism to monitor reagent, incubation temperature & operator friendly temperature calibration facility for better quality of the results
19	Water Consumption should be less than 21 L/H
20	Photometer: Multi Wavelength with at least 12 wavelengths ranging from 340 to 800nm
21	Instrument should have minimum reaction volume 100 µl
22	Instrument must have clot detection facility.
23	The instrument must be IVD CE Certified approved.
24	Should have Calibration mode K factor, Linear, Logit-Log3P, Logit-Log4P, Logit-Log5P, Spline Exponential, Polynomial, Broken Line and Parabola.
25	Should follow Control Rules Westward multi rule. LJ, Cumulative Sum Check, Twin Plot.
26	Power supply 50/60Hz, 220-240V
27	Capable to connect with LIS in Bidirectional Mode.
28	The instrument should have enzyme linearity function to detect high value enzymes above linearity, Prozone effect detection
29	Instrument should apply correction for Haemolysed, lipemic and icteric samples
30	Instrument should have sample carryover setting to prevent parameter to parameters

	contamination
31	Instrument should be supplied with two years warranty and CMC for further five years
32	The bidder should provide local post sales service support.
	<b>Technical specification for USG Machine</b>
	<b>Technical Specification:</b>
	1. The ultrasound system provided should be a state of art system which is reliable and stable. System should have Full Digital Super-wide Band Beam Former, Digital Dynamic Focusing, and Multi-beam Processing, etc.
	2. System should have facility of system maintenance and upgrade completed by updating software to achieve product improvements and advanced technology.
	3. System should have whole body scanning Applications & software for have a wide range of applications includes: Abdominal, OB/GYN, Cardiology, Urology, small parts, vascular, orthopaedic, anaesthesia and MSK applications
	4. System should have following Scanning Modes:
	a) General: B, Dual B, Quad B, THI, M mode, Color Doppler, Power Doppler Imaging, Directional PDI, PW
	b) Cardiac:- TDI, HPRF, CW, Color M, Anatomic M
	c) Dual-Live
	d) Duplex and Triplex mode
	e) Trapezoid 1 Imaging,
	f) Real-time Panoramic Imaging(B mode)
	5 System should have Tissue Harmonic Imaging Facility with Convex, Linear, Cardiac and the TVS probes
	6 System must have Image compounding facility. Other equivalent Technology can also be offered. Processing technology in technical bid should as highlighted
	7 The system offered must have High Definition Speckle Reduction Imaging, which is a real-time algorithm to increases contrast resolution by reducing speckle noise while maintaining true tissue appearance. This image processing technique should be able to remove speckles and clutter artefacts.
	8 Should have Auto Image optimization function, a physical key should be available on the keyboard for easy access
	9 System should offer at least 8 slider controls for TGC
	10 System should offer provision for adjusting the right and left gain by LGC
	11 System must provide facility to adjust gain when the image is on freeze
	12 System should have at least 256 grey scale for better imaging
	13 System should have focus number up to 12 focal points, and the intra-focus distance should be adjustable
	14 System should have complete package for calculations of OB/GYN calculation package, Vascular calculations, Urology calculations, Cardiac Calculations, Doppler calculations
	15 Auto Trace facility for measurements should be available on frozen screen as well as Real time
	16 Machine should indicate GA on screen while performing the OB scan
	17 System must have provision of taking the measurement automatically Automated Carotid Intima Media Thickness measurement package for risk assessment in

	evaluating health of arteries.
	18 System must have provision of calculating EF value automatically.
	19 System must have software for better visualization of needle and the needle tip while performing needle guided procedures
	20 System should have minimum 17" high resolution LCD/LED monitor display with swivel and tilt facility. It should be upgradeable to 19inch monitor.
	21 System should offer maximum scanning depth of 40cms
	22 System should have Cine loop of minimum 1000 Frames
	23 System should be provided with facility to do measurements on saved image and the report page should get updated automatically
	24. The system should have a high dynamic range of about 280 dB
	25. The system should have real time 2D panoramic view imaging that operates by sweeping a transducer over the area of interest
	26. The system should have real time color panoramic view imaging that operates by sweeping a transducer over the area of interest
	27 System should be upgradable to Volume 3D/4D Imaging in Future.
	28 System should be upgradable to <b>Elastography</b> Imaging on linear probe in Future.
	29 System should have 4 probe Connectivity ports as standard and all ports should be universal and should support all transducers
	30 Probes offered should be Broad band frequency probes offering at least user 3 selectable frequency range
	31 System should be provided with DICOM connectivity as standard
	32 System should have 500 GB hard disk for digital image storage
	33 System should have at least 4 ports of USB for data transfer and inbuilt CD/DVD writer
	34 System should be quoted with following probes
	➤ Broad Band Convex probe (Frequency Range 1-7 MHz)
	➤ Broad Band Linear Probe for Vascular applications. (Frequency Range 4-16 MHz)
	➤ Broad Band Transvaginal Probe (Frequency range 3-15 MHz)
	➤ Broad Band Cardiac Probe (Frequency range 1-5 MHz)
	<b>Accessories</b>
	35 System should be offered with a Digital Color Printer
	a) working on the Dye Sublimation Heat Transfer technology
	b) Having minimum 300 dpi resolution
	c) Should have good quality laminated coat
	d) Print size of 6X8 should be available
	36 System should be offered with B/W Digital Thermal Paper Printer
	37 Should have warranty period of two years and CMC for next five years
	38 Post sales service support should be available locally.
	<b>Technical specification for USG Machine with <b>Colour</b> Doppler &amp; ECO Facility</b>
	1. High end color Doppler ultrasound with wideband technology, capable of producing high resolution images in Abdomen, OB-GYN, Fetal Heart, Small Parts, MSK, Urology etc. applications.
	2. System should have 23" anti-flickering high resolution monitor with swivel & height adjust facility. It should support full screen imaging to utilize entire screen

	area.
	3. System should have backlight control panel which enables user to operate in dark.
	4. System should have 13" or more gesture-operational touch screen with customizable button layout should be given for ease of operations.
	5. System should have height adjustable control panel (up to at least 110mm) & side rotatable control panel (30°).
	6. System should have four active and universal ports. All the transducers should support multi frequency.
	7. System should be compatible with multiple transducer choices, covering linear, convex, micro-convex, Endocavity, phased array and 4Dconvex transducer for volume imaging. 4D transducer probe should be upgradable.
	8. System should have signal processing bandwidth 1-18 MHz.
	9. System should have facility for real time and frozen zoom & facility for post processing (like saved Doppler image to 2D image, Gain, Chroma, add annotation, measure etc.)
	10. Total operating depth range should be wide enough to cover vast range of applications. Depth should be accessible up to 40 cm.
	11. Monitor should have thumbnail view of saved images and cine clips and reviewing images on monitor quickly.
	12. The operating modes system should have - 2D, M-mode, Color mode, PW, CW, Power Doppler mode, TDI, AMM.
	13. TGC and LGC sliders to get the optimum resolution.
	14. System should have full spectrum imaging-latest state of the art digital multi beam forming technology, Tissue harmonic imaging, Spatial compound imaging, speckle reduction technology, trapezoidal image, Quad and dual imaging.
	15. Spatial compounding and speckle reduction technology should be given as standard configuration. Both features should be available with all transducers.
	16. Auto resolution adjustment in B-mode with a single button. Auto gain adjustment in color mode should be available.
	17. One button/click auto adjustment of baseline and scale in PW mode.
	18. System should support Dual B, Quad B, Duplex, Triplex, Dual live imaging.
	19. System should be able to support biopsy mode for needle guided procedures. Guideline should be visible with proper needle visualization software. This should be given as standard feature.
	20. The system should offer multiple application dedicated presets inbuilt. Further provision to create user defined presets.
	21. The system should support the following: Split screen imaging (one frozen, one live): where each image can be processed individually and can be acquired from different transducers.
	22. System should have high dynamic range of 30 to 280dB. This should be easily accessible to user.
	23. System should have easy access to old saved images. System should have inbuilt SSD of 500 GB or more.
	24. System should have live color panoramic imaging with linear probe.
	25. System should have strain based Elastography with linear
	26. 3D imaging should be supported with 2D convex transducer. Machine should be able to construct 3D and 4D images with just two clicks.
	27. 4D post processing options like trace, cut, undo cut. Multi slice, Rendering modes etc.

	28. All the probes, including volume probe, should be light weighted and wrist friendly.
	29. Provision to connect printer (recommended by supplier) directly to the machine or transferring images/reports to PC.
	30. Different formats should be available to save images and clips e.g. JPG, BMP, AVI etc.
	31. System should be DICOM enabled. All the necessary software shall be provided by manufacturer.
	32. All the measurement packages should be supported for various applications such as Abdominal, OB/Gyn, Cardiology, Urology, Small Parts, Vascular, Orthopedic etc.
	33. System should have auto measurement features like Auto OB, Auto IMT, Auto HIP, Auto IVC, Auto VTI etc.
	34. System should have VS flow mode & HRI QA (L-K ratio) features.
	35. System should display fetal growth in a graph chart according to measurement items and their OB tables.
	36. Frame rate Should be 1600 fps or more.
	37. Dedicated comments/annotation charts should be available in the system for various applications such as Abdominal, OB/Gyn, Cardiology, Urology, Small Parts, Vascular, Orthopedic etc. And user should be able to edit and rearrange list of comments as required.
	38. System should have capacity to store cine clips in both retrospective and prospective manner.
	39. CD/DVD & USB ports (2.0 and 3.0) for easy image/clip transfer.
	40. System should be provided with multi-frequency wide band probes-
	a. 1.0-6.0 MHz curved array probe for general purpose, OB/GYN, Abdomen, Renal Doppler, deep nerve access specially sub gluteal and abdominal applications.
	b. 3.0-13.5 MHz Linear array probe for small parts application
	c. 3.0-16 MHz Linear array probe for small parts application
	d. 3.0-13.0 MHz transvaginal probe.
	e. 1.3-5.0 MHz Phased array probe for cardiac application.
	41. Compliance and Working Conditions: The system should be approved by the FDA/CE/BIS/CDSCO, the system should operate at 240 volts.
	42. Warranty should be two years and next five years CMC should be offered.
	43. Bidder should have local service support.
	<b>Technical specification for 03 part cell counter machine</b>
	1. The 03 part cell counter machine should have the method of Impedance method for WBC, RBC, and PLT; photoelectric colorimetry for HGB (using cyanide-free reagent)
	2. Instrument should have up to 72 samples throughput per hour
	3. It should measure twenty two parameters, including P_LCC, P_LCR, and histograms for WBC, RBC, and PLT Analytical
	4. Instrument should require minimum sample volume- whole blood: 13µL & Pre-dilute: 20µl
	5. It should have data storage up to 50000 sample results or more
	6. It should have built in thermal printer & printer QC modes four modes (L-J, X, X-R, X-B)
	7. It should have connectivity of LIS and HIS support with HL7 protocol System
	8. The instrument should have feature of internal lyse storage & RFID reagent closed

	system
	9. It should have facility of USB data backup and system upgrade
	10. It should have 10.4-inch color LCD touch screen display
	11. Dimensions: 41.5 cm(L) 30.5(cm)(W) 39.5(cm){H}
	12. It should weight of below 20 kgs.
	13. Instrument to be supplied with two years warranty and AMC/CAMC for next five years.
	14. Local post sales service support should be available.
	<b>UPS</b>
	<b>Technical specification for Binocular Microscope</b>
	1. Body: Binocular, sturdy, stable base body with focus adjustment controls. Eye piece: Paired, high quality, (the image of the object as seen through the binocular eyepiece should be well defined centrally in at least 2/3 field of view), achromatic, wide field, 10x with inbuilt pointer.
	2. The eyepiece should be aplanatic and have a minimum field number of 18 <b>Diopter</b> adjustment must be present on one/both eye pieces or on the eye piece tube.
	3. Objective: Three objectives 10x, 40x, 100x. 10x and 40x objectives should have numerical apertures of 0.25 and 0.65 respectively and should be of spring loaded type or otherwise. 100 x should have numerical aperture of 1.25 and should be of oil immersion and spring loaded type.
	4. All objectives should be wide field, achromatic and Para focal.
	5. Nose piece: Revolving nose piece to accommodate a minimum of three objectives with click stops. It should be provided with ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment, Extra ports if any should be fitted with dust proof metallic/ebonite caps.
	6. Stage: uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/-20mm) with fine <b>vernier</b> graduations (minimum reading accuracy of 0.1 mm).
	7. The stage should be provided with spring loaded slide holder for exact positioning of specimen/ slide.
	8. It should be designed with convenient sub-stage vertical coaxial adjustment for slide manipulation. Sub-stage condenser: Abbe-type condenser, numerical aperture (N.A.) 1.25 focusable with rack and pinion arrangement incorporating a spherical lens and an iris-diaphragm.
	9. The condenser should have a filter holder and removable/ swing in/out blue filter (suitable for bright field Microscopy).
	10. The system should have a build-in variable light source (Illuminator).
	11. This light source should have a 20 W, 6V Halogen lamp. The circuitry for the light source should include a constant voltage supply.
	12. The system should be provided with a step down transformer and an on-off switch and intensity control.
	13. The lamp should be provided with a lamp socket which has the facility for easy replacement of the bulb,
	14. Power supply: Voltage 220 V AC, 50Hz. Should have one on-off power switch, 3 core power cord with a 3 point male plug.
	15. The system should have an inbuilt protective/ safety device to withstand fluctuations of voltage from 140 V to 280 V.
	16. Eye piece tubes: Binocular eye piece tubes, inclined at 45 degrees, rotatable through an angle of 360 degrees, having inter-pupillary distance range of 54-74 mm or

	wider, covering the above mentioned range.
	17. Focusing knob: Co-axial coarse and fine focusing knobs capable of smooth fine focusing movement over the full range of coarse travel. The fine focusing movement should have sensitivity of two microns or less (finer) over the entire coarse focusing stop safety arrangement should be provided.
	18. All optical parts including objectives, eye pieces and prisms should have anti-reflective coating which also gives anti-fungal property. All metallic parts should be corrosion-proof, acid proof and stain-proof.
	19. All consumables required for installation and standardization of system and microscope cover to be given free of cost
	20. Should be US FDA or CE or ISI approved product.
	21. Two years warranty & five years comprehensive AMC should be quoted in the bid
	22. The bidder should have service centres in close proximity.
	23. Microscope should be supplied with User/Technical/Maintenance manuals.
	<b>Technical specification for Cervical Cancer Screening Device</b>
	1. The cervical cancer screening device should be capable for a cervical cancer screening being a portable, battery operated
	2. The device must be handheld, include a camera inside the vaginal cavity, have an LCD display, and provide at least 4 hours of battery life.
	3. The screening device should have hardware
	- 29X-46X magnification
	- Tablet mobile included
	- image storage included
	- Running electricity not required
	- Usage in out-patient examination
	- Lithotomy chair not needed
	4. The screening device should have below software features
	- Triaging module for expert
	- Messaging module
	- Chronological patient history
	- Manual SWEDE score calculators
	- HIMS integration
	- Certified for data security
	- Multi-lingual
	- More informative visual report
	- Dashboard for monitoring
	5. The device should be having US FDA (510k) OR CE certification
	6. Warranty should be of two years AMC/CAMC
	7. Post sales service should be available locally
	8. Instrument should be supplied all the manuals
	9. Demonstration of the instrument should be provided by the bidder
	10. Training to the staff should be done by the bidder.
	<b>Technical specification for coagulation analyser</b>
	1. The coagulation analyzer should be a semi-automated system that uses a mechanical measuring principle to perform blood coagulation tests.
	2. Should have below key specifications

	- Measuring channels: One
	- Measurement principle: Mechanical coagulation analysis. A rotating steel ball is monitored by a magnetic sensor at the bottom of the cuvette. The formation of a clot is detected by a change in the ball's movement.
	- Test parameters coagulation assays, including: Prothrombin Time (PT), Activated Partial Thromboplastin Time (APTT), Thrombin Time (TT)
	3. Workflow features:
	Automatic function check on start up.
	Countdown timer for accurate starting of the measurement with a start-pipette.
	Automatic calculation and display of results.
	Acoustic and visual signals when a test is finished.
	4. Instrument should accept Whole blood, plasma, or capillary citrated blood.
	5. It should have reagent positions five incubation positions.
	6. Should have incubation positions: five at 37°C.
	7. Sample volume required should be in range of 150-400 µl
	8. The instrument should displays the values in INR or seconds.
	9. Dimensions (W x H x L): 113 x 68 x 207 mm.
	10. Should be portable and weight should be less than 2 kgs.
	11. Operating voltage should be: 115/230 V, 50-60 Hz.
	12. Power consumption should be~16 VA.
	13. The instrument should be supplied with two years of warranty and CMC for next five years.
	<b>Technical specification for Elisa reader and washer</b>
	1. Elisa reader should have absorbance Range: 0 to 4.000 Abs Resolution: 0.001 Abs (displayed), 0.00011 Abs (calculated)
	2. Optical System should be 8-channel optical fiber system
	3. It should have wavelengths includes standard filters for wavelengths like 405, 492, and 630 nm.
	4. Measurement speed should reads a 96-well plate in approximately 5 seconds at a single wavelength.
	5. Plate Compatibility: Compatible with standard 96-well plates and strips Plate Shaking: Shaking time and speed should be adjustable Calculation Methods: Supports various calculations, including ABS, Cut-off, Linear, and 4PL regression
	6. Methodologies: should be capable of performing end-point, fixed-time, and kinetic assays
	7. Memory: instrument should store up to 100 programs and 10,000 sample results
	8. It should have a built in thermal printer & external printer is optional
	9. It should have facility of interface thru USB, LAN, and RS-232 ports
	10. Power Supply: 100-240 VAC, 50/60 Hz
	11. Dimensions: Approximately 425 (L) x 310 (W) x 215 (H) mm & weight below 15 kg
	12. ELISA micro plate washers should be designed to leave a minimal volume of liquid in each well after aspiration (often < 1-5 µL) to prevent cross contamination and background noise.
	13. It should uses separate nozzles for aspiration and dispensing to avoid cross-contamination.
	14. Elisa washer should have self-diagnostics check at start up to detect electronics or motor faults.
	15. It should automatically monitors vacuum and pressure levels for consistent performance.
	16. Built-in incubator facility should be there for maintaining specific temperatures during

	the assay process.
	17. The instrument should be CE/FDA approved
	18. Should be provided warranty of two year and further CMC for five years.
	19. Local service support should be available with bidder
	<b>TECHNICAL SPECIFICATION FOR VERTICAL AUTOCLAVE</b>
	<ul style="list-style-type: none"> <li>• THE Vertical Autoclave should be used in Microbiology, Medicine, Waste treatment and all applications requiring sterilization.</li> </ul>
	<ul style="list-style-type: none"> <li>• It should have double walled construction with inner chamber (boiler) made-of Stainless Steel 16 SWE sheet-304 grade and Outer shell of Stainless Steel sheet-304 grade, mirror polish, Capacity up to 22 litres &amp; one basket.</li> </ul>
	<ul style="list-style-type: none"> <li>• The Boiler and outer shell should be provided with air insulation.</li> </ul>
	<ul style="list-style-type: none"> <li>• Lid should be made of die pressed thick stainless Steel plate &amp; is equipped with Pressure gauge, Steam release/Exhaust valve &amp; spring loaded safety valves &amp; X" BSP Port fitted with coupling for validation purpose.</li> </ul>
	<ul style="list-style-type: none"> <li>• Should have foot lifting arrangement for the lid.</li> </ul>
	<ul style="list-style-type: none"> <li>• It should be fully Argon welded to avoid steam and pressure leakage.</li> </ul>
	<ul style="list-style-type: none"> <li>• It should consist of heavy duty industrial flange heaters.</li> </ul>
	<ul style="list-style-type: none"> <li>• It should be full sterilization cycle including Air purging, Sterilizing hold time, Cycle end with release/exhaust of pressure &amp; alarm is automatic.</li> </ul>
	<ul style="list-style-type: none"> <li>• The autoclave should be Microprocessor based Controller with time and temperature programmable by user.</li> </ul>
	<ul style="list-style-type: none"> <li>• Should have timer Range up to 99 Minutes.</li> </ul>
	<ul style="list-style-type: none"> <li>• Should have temperature Sensor: PT-100.</li> </ul>
	<ul style="list-style-type: none"> <li>• Low water level alarm with heater cut off should be available in the instrument.</li> </ul>
	<ul style="list-style-type: none"> <li>• Should have perforated basket made of Stainless Steel sheet of medical grade quality.</li> </ul>
	<ul style="list-style-type: none"> <li>• Should operates on 230 Volts AC Single phase 50 Hz.</li> </ul>
	<ul style="list-style-type: none"> <li>• Should have temperature Range 121°C to 125°C, temperature Resolution 0.1 °C &amp; pressure range 15 PSI to 20 PSI.</li> </ul>
	<ul style="list-style-type: none"> <li>• System should be quoted with two year warranty and CMC for further five years post warranty</li> </ul>
	<ul style="list-style-type: none"> <li>• Service support should be available locally</li> </ul>
	<b>Technical specifications for Semi-automated biochemistry analyzer</b>
	1. The semi automated biochemistry analyser should perform assay types of end-point, fixed-time, and kinetic assays.
	2. Should have modes to operate in dual mode using both an integrated flow cell and external cuvettes.
	3. The instrument should have a mechanical <b>keypad</b> with a graphical LCD display.
	4. Should have capability of storing minimum 10000 patient results & QC of 30 days for each assays. Facility of reagent blank data storage should be available.
	5. Should have halogen lamp light source with wavelength selection of automatic selection via an 8-position filter wheel.
	6. Should have seven standard narrowband interference filters and one open position

	for an optional fitter.
	7. Instrument should have standard filter wavelengths: 340, 405, 505, 546, 576, 630, and 670 nm. Wavelength accuracy: pm 21 nm.
	8. It should have absorbance range: 0.0-3.0 A & resolution: 0.0001 absorbance units.
	9. Instrument should have silicon photodiode detector
	10. Thermostatic and testing specifications should be as below.
	- Temperature control: Peltier-controlled, allowing for temperature settings of 25°C, 30°C, and 37°C.
	- Reaction cuvette: High-quality quartz flow cell for precise measurements.
	- Flow cell volume: 30 µL
	11. Instrument should have test profiles clinical chemistry and coagulation modes for PT/APTT/TT testing.
	12. it should have QC menu which provides daily and monthly QC with Levy-Jennings graphs for quality control.
	13. It should have high-speed thermal built-in printer.
	14. Should have internal incubator of minimum 12 positions.
	15. Semi automated biochemistry analyser should have below physical and power specifications
	- Dimensions (L x W x H): 422 mm x 324 mm x 176 mm.
	- Weight: 6.5 kg.
	- Power requirements :Input voltage: 88-264 VAC.
	- Interface: Standard RS232 inter face.
	16. Warranty-Bidder should provide warranty and CMC/AMC for next five years.
	17. Local service support should be available
	<b>Specifications for Neonatal, Paediatrics, Adul: Ventilator</b>
	<b>GENERAL SPECIFICATIONS</b>
	1.The ventilator should be an advanced technology ventilator specifically for use in ICU
	2. It should be capable of ventilating Neonatal. Pediatric and Adult patients
	3. It should be a microprocessor-controlled system with individual selection of various ventilation parameters
	4. The ventilator should be BIS approved. Incase BIS is not available it should be USFDA/European CE approved, and four digit notified body number must be available if CE is produced.
	5. Should have manufacturing/import license from CDSCO for the quoted model in accordance with Indian MDR 2017
	<b>VENTILATION MODES AND CAPABILITIES</b>
	1. The ventilator should have the following modes for invasive ventilation.
	a. Volume Assist Control, or equivalent
	b. Pressure Assist Control, or equivalent
	C. Pressure-regulated Volume Control, or equivalent
	d. Airway Pressure Release Ventilation, or equivalent
	e. Pressure SIMV, with pressure support, or equivalent
	f. Volume SIMV, with pressure support, or equivalent
	g. Pressure Support Ventilation with for apnea back-up, or equivalent
	h. Volume support (VS)/ Volume assured Pressure Support (VAPS) with apnea backup, or equivalent

	i. Continuous Positive Airway Pressure Mode (CPAP), or equivalent
	2. The ventilator should have a dedicated mode for non-invasive ventilation (NIV). The following modes must be available with NIV.
	a. Continuous Positive Airway Pressure (CPAP) with Pressure Support, or equivalent
	b. Bi-level positive airway pressure (BIPAP) or equivalent
	C. Non-Invasive Pressure Control (NIV-PC) or equivalent
	d. N-CPAP, or equivalent for neonatal NIV ventilation
	e. Bubble CPAP, or equivalent for neonatal NIV ventilation
	f. Integrated High Flow Nasal Oxygen generating flows of at least 80 ltr/minute and FIO <sub>2</sub> of 1.0 and with flow ramp feature
	3. Should have inbuilt <b>Esophageal</b> /trans pulmonary pressure monitoring via auxiliary pressure port
	4. There should be upgradable to inbuilt SPO <sub>2</sub> monitoring/ <b>Pulseoximetry</b>
	5. Ventilator should be upgradable to inbuilt mainstream EtCO <sub>2</sub> with volumetric <b>capnography</b> for dead space analysis and gas exchange assessment. It should include parameters such as EtCO <sub>2</sub> , VICO <sub>2</sub> , MVCO <sub>2</sub> , Vd phy, Vd ana, Vd alv, Slope CO <sub>2</sub> , Vt alv and MV alv
	6. The Ventilator should be upgradable to inbuilt Metabolic Monitoring/Indirect <b>Calorimetry</b> with monitoring of parameters EE, VO <sub>2</sub> , VCO <sub>2</sub> and RQ
	7. The ventilator should have Inspiratory Synchronized Vibrating Mesh nebulizer module built into the ventilator with capability of producing <3-micron drug particle. External or USB based nebulizers are not acceptable, nebulizer should be insp. Synced and controllable via ventilator touch screen
	8. The ventilator should have inbuilt Volume Compensated and inspiratory Synchronized Jet nebulizer. It should automatically compensate for nebulizer flow and synchronize with inspiration to reduce drug wastage.
	9. Ventilator User Settings
	a. Tidal Volume: 2 mL-2000 ml.
	b. Peak Inspiratory Pressure 100 cm H <sub>2</sub> O or more
	c. Flow pattern: square wave and decelerating selection in VCV
	d. I:E ratio: 1:9-4:1 or better
	e. Mandatory respiratory rate 2-150 breaths per minute.
	f. Inspiratory time-10 to 80% of breath cycle time
	g. Inspiratory plateau 0 to 60% of inspiratory time
	h. Rise time-0 to 20% of inspiratory time
	i. PEEP 0 to 60 cm H <sub>2</sub> O
	j. FIO <sub>2</sub> 21 to 100%
	k. End expiration (% of peak flow): 1-70 k.
	l. Flow trigger 0.2 LPM to 10 LPM
	m. Pressure trigger-10 cmH <sub>2</sub> O to 0.2 cmH <sub>2</sub> O
	<b>MONITORING AND CONTROL</b>
	1. The following must be monitored by the ventilator and displayed as needed:
	a. Peak airway pressure
	b. Plateau airway pressure
	c. Mean airway pressure
	d. Inspired Tidal Volume.
	e. Expired Tidal Volume
	f. Inspired Minute Volume

	g. Expired Minute Volume
	h. Spontaneous Minute Volume
	i. Static Compliance
	j. Dynamic Compliance
	k. Inspired Resistance
	l. Expired Resistance
	m. Respiratory Rate (set)
	n. Respiratory Rate (total)
	o. PEEP
	p. Auto-PEEP
	q. Trapped Volume
	r. Stress index
	s. RSBI
	t. Work of breathing
	u. P0.1
	v. NIF
	w. FIO2
	x. Leak amount
	y. Inspiratory Time constant
	z. Expiratory Time constant
	aa. Elastance
	bb. Paux/Pes/TPP
	2. It must be capable of performing standard maneuvers like:
	a. Inspiratory Hold
	b. Expiratory Hold
	c. One-touch increase in FiO2 to 1.0 for suctioning
	d. One touch standby and wake-up
	e. One touch nebulization control
	3. Should have Negative Inspiratory Force (NIF) and Occlusion Pressure (P0.1) measure tool for assessing the patient's respiratory muscle strength and drive
	<b>ALARMS</b>
	1. The following alarms must be standard. Limits must be user adjustable:
	a. Airway pressure
	b. Expired minute volume
	c. No patient effort (apnea) alarm, with automatic return to support mode on patient triggering
	d. Respiratory frequency
	e. End-expiratory pressure
	f. High continuous pressure
	g. Oxygen concentration
	h. Gas supply pressure
	i. Battery-low charge, low battery voltage
	j. EtCO2 limits
	k. Leakage out of range in NIV
	l. Technical alarm (specific technical fault in internal circuitry)
	<b>DISPLAY</b>

	1. It should be at least 15 inches (measured diagonally, active display area only) in size and inbuilt TFT/LED touchscreen display. Both touchscreen and rotary knob controls are needed. The display must be <b>tiltable</b> and rotatable.
	2 It must be capable of displaying at least 3 scalars and 2 loops simultaneously for each breath, and a 72-hour trend display of measured parameters
	3. Should have Option for both line type and filled waveform
	4. The display brightness must be user adjustable and must be readable in bright sunlight
	<b>OTHER SPECIFICATION</b>
	1. Ventilator battery back-up time must be at least 4 hours
	2. Ventilator should have RS 232/ LAN port for communication and HL-7 compatible data output. The ventilator must be capable of interfacing with any HL-7 compatible patient data management system.
	3. The bidder and OEM must give a written undertaking at the time of bidding AND at the time of placing the supply order to the buyer that all drivers and software needed for interfacing the ventilator with the patient data management system will be provided on demand at the site of installation without any additional fees/costs/charges. These drivers and software must be in their final usable form for third party data integration and not need additional software/hardware.
	4. The ventilator must be compatible with the usually available consumables such as generic two-limb patient circuit, NIV mask, filters, etc. If any OEM-specific consumables required for the operation of the ventilator, it should be supplied free of cost during the warranty and CMC period.
	<b>SUPPLY, DEMONSTRATION, SERVICE AND WARRANTY</b>
	1. Oxygen Sensor should be covered under warranty, and should be replaced by the company free of cost
	2. Battery should be covered under warranty and CMC, and should be replaced by the company free of cost
	3. Flow Sensors (for Adult & Paediatric patient categories, Tidal >20 ml):
	a. For disposable external flow sensors, 200 sensors per ventilator must be provided at the time of purchase
	b. For reusable external flow sensors with limited autoclaving cycle life, 10 sensors per ventilator must be provided at the time of purchase
	4. Flow Sensors (for neonatal patient categories, Tidal Volume <20 ml):
	a. For disposable external flow sensors, 40 sensors per ventilator must be provided at the time of purchase
	b. For reusable external flow sensors with limited autoclaving cycle life, 2 sensors per ventilator must be provided at the time of purchase
	5. The expiration cassette/valves including diaphragm should be reusable with complete disinfection capability. Two expiration cassette/valves per ventilator must be provided at the time of purchase.
	6. It should be provided with servo-controlled humidifier with all the accessories for smooth functioning
	7. Scope of supply (per ventilator)
	a. One fully functional Ventilator with 5 years warranty (as specified)
	b. Two expiration cassette/valves (as specified earlier)

	C. Flow Sensors (as specified earlier)
	d. One Vibrating Mesh nebulizer with all the required cables, T-Piece connectors, etc.
	e. One Jet/Pneumatic nebulizer with all required connectors
	f. One Servo Humidifier (as specified earlier)
	g. Two disposable adult patient circuit
	h. Two disposable paediatric patient circuit
	i. Two disposable Neonatal patient circuit
	8. The machines must be supplied complete with all the required disposable/ spare items (e.g., ventilator trolley, hinged arm, power cords, patient circuits, filters, appropriate connectors, test lung, flow sensors, sample tubing with adaptors, user manual etc.) in ready to use condition.
	9. All the components of the system including ventilator trolley, hinged arm, etc. must be from the same manufacturer.
	10. Technical demonstration of quoted model is must.
	11. The OEM must have a minimum of 5 years' experience, as of the bid opening date, in manufacturing and supplying ICU ventilators of the same brand. The OEM must submit a few order copies from reputed government hospitals and institutions that are more than 5 years old to demonstrate its experience in ICU ventilators of the same brand.
	12. In case the bidder is not the OEM, they must have a legally binding agreement with the OEM for the entire warranty and CMC period (10 years) to provide service support, supply genuine spare parts, and fulfil all contractual obligations in India.
	13. The complete list of consumables, their cost, and approximate interval of replacement must be clearly mentioned in writing at the time of bidding. The interval of replacement must be as per the OEM Operating Manual/Instructions for Use.
	14. Warranty statement: Comprehensive warranty for two years, with an option to enter CMC for an additional 5 years. The cost of CMC to be quoted separately time of bidding.
	<b>Technical Specifications of blood storage refrigerator 250 liters 600 lit.</b>
Sr. No.	Tender specifications
1	Should have inner chamber made from high quality AISI-304 55 & outer cabinet is powder coated CRCA sheet
2	Should have High grade CFC free PUF insulation 70 mm for cabinet & 80 mm for door
3	Should have heavy duty imported telescopic channels to support drawer movement full load
4	Should have Precise temperature management with microprocessor controller Temperature preset at 4°C (deviation <+0.5°C)
5	Should have high & Low temperature alarm for temperature beyond 2°C to 6°C
6	Should have Forced air circulation mechanism through Dual motorized blower fans
7	Should have Dual Temperature Sensors, one dipped in simulated solution bottle & one in internal ambience for display of actual blood temperature & for controlling compressor functioning simultaneously
8	Should have Integrated 7 day circular chart recorder
9	Should have lockable heavy duty swivel castor wheels to provides easy mobility
10	Should have Flicker free internal lighting, illuminates once the door is open for clear visualization of stored blood bags

11	Should have Outer door with see through double pane glass window
12	Should have independent Internal Acrylic cover for each drawer to avoid loss of temperature while individual drawer opening
13	Should have Audio visual alarms for
	1. Temperature high/low
	2. Sensor open/Short
	3. Door Open
	4. Compressor on (only visual)
14	Should have Settable points of
	1. Set temperature point
	2. High / low temperature alarm point,
	3. Buzzer off time
15	Should have 6-8 hrs battery backup for alarm system, temperature display & chart recorder
16	Blood Bank Refrigerator should have a capacity to hold minimum up to 300 PRBC bags of 350ml
17	Blood Bank Refrigerator should confirm to noise level of less than 35 db(A)
18	Should have Auto defrost mechanism
19	Should have Safety Thermostat for avoiding negative temperature
20	Should have ergonomically designed perfect grip handle with door lock
21	Should have wide LED display for temp.
22	Product should be CE marked from a European Notified body/USFDA Registration
23	Manufacturer should have ISO/ICMED 13485 issued by NABCB/IAF approved notified body, CDSCO registration
24	A line voltage corrector of appropriate rating giving all the specifications should be supplied along with the unit
25	Warranty should be of two years and further AMC/CAMC for next five years
26	Post sales service should be available locally

#### Technical specification for USG Machine with Colour Doppler & ECO Facility

1. High end color Doppler ultrasound with wideband technology, capable of producing high resolution images in Abdomen, OB-GYN, Fetal Heart, Small Parts, MSK, Urology etc. applications.
2. System should have 23" anti-flickering high resolution monitor with swivel & height adjust facility. It should support full screen imaging to utilize entire screen area.
3. System should have backlight control panel which enables user to operate in dark.
4. System should have 13" or more gesture-operational touch screen with customizable button layout should be given for ease of operations.
5. System should have height adjustable control panel (up to at least 110mm) & side rotatable control panel (30°).
6. System should have four active and universal ports. All the transducers should support multi frequency.
7. System should be compatible with multiple transducer choices, covering linear, convex, micro-convex, Endocavity, phased array and 4Dconvex transducer for volume imaging. 4D transvaginal probe should be upgradable.
8. System should have signal processing bandwidth 1-18 MHz.

9. System should have facility for real time and frozen zoom & facility for post processing (like saved Doppler image to 2D image, Gain, Chroma, add annotation, measure etc.)
10. Total operating depth range should be wide enough to cover vast range of applications. Depth should be accessible up to 40 cm.
11. Monitor should have thumbnail view of saved images and cine clips and reviewing images on monitor quickly.
12. The operating modes system should have - 2D, M-mode, Color mode, PW, CW, Power Doppler mode, TDI, AMM.
13. TGC and LGC sliders to get the optimum resolution.
14. System should have full spectrum imaging-latest state of the art digital multi beam forming technology, Tissue harmonic imaging, Spatial compound imaging, speckle reduction technology, trapezoidal image, Quad and dual imaging.
15. Spatial compounding and speckle reduction technology should be given as standard configuration. Both features should be available with all transducers.
16. Auto resolution adjustment in B-mode with a single button. Auto gain adjustment in color mode should be available.
17. One button/click auto adjustment of baseline and scale in PW mode.
18. System should support Dual B, Quad B, Duplex, Triplex, Dual live imaging.
19. System should be able to support biopsy mode for needle guided procedures. Guideline should be visible with proper needle visualization software. This should be given as standard feature.
20. The system should offer multiple application dedicated <b>pre-sets</b> inbuilt. Further provision to create user defined <b>pre-sets</b> .
21. The system should support the following: Split screen imaging (one frozen, one live): where each image can be processed individually and can be acquired from different transducers.
22. System should have high dynamic range of 30 to 280dB. This should be easily accessible to user.
23. System should have easy access to old saved images. System should have inbuilt SSD of 500 GB or more.
24. System should have live color panoramic imaging with linear probe.
25. System should have strain based <b>Elastography</b> with linear
26. 3D imaging should be supported with 2D convex transducer. Machine should be able to construct 3D and 4D images with just two clicks.
27. 4D post processing options like trace, cut, undo cut. Multi slice, Rendering modes etc.
28. All the probes, including volume probe, should be light weighted and wrist friendly.
29. Provision to connect printer (recommended by supplier) directly to the machine or transferring images/reports to PC.
30. Different formats should be available to save images and clips e.g. JPG, BMP, AVI etc.
31. System should be DICOM enabled. All the necessary software shall be provided by manufacturer.
32. All the measurement packages should be supported for various applications such as Abdominal, OB/Gyn, Cardiology, Urology, Small Parts, Vascular, Orthopedic etc.
33. System should have auto measurement features like Auto OB, Auto IMT, Auto HIP, Auto IVC, Auto VTI etc.
34. System should have VS flow mode & HRI QA (L-K ratio) features.
35. System should display fetal growth in a graph chart according to measurement items and their OB tables.
36. Frame rate Should be 1600 fps or more.

37. Dedicated comments/annotation charts should be available in the system for various applications such as Abdominal, OB/Gyn, Cardiology, Urology, Small Parts, Vascular, Orthopedic etc. And user should be able to edit and rearrange list of comments as required.
38. System should have capacity to store cine clips in both retrospective and prospective manner.
39. CD/DVD & USB ports (2.0 and 3.0) for easy image/clip transfer.
40. System should be provided with multi-frequency wide band probes-
a. 1.0-6.0 MHz curved array probe for general purpose, OB/GYN, Abdomen, Renal Doppler, deep nerve access specially sub gluteal and abdominal applications.
b. 3.0-13.5 MHz Linear array probe for small parts application
c. 3.0-16 MHz Linear array probe for small parts application
d. 3.0-13.0 MHz transvaginal probe.
e. 1.3-5.0 MHz Phased array probe for cardiac application.
41. Compliance and Working Conditions: The system should be approved by the FDA/CE/BIS/CDSCO, the system should operate at 240 volts.
42. Warranty should be two years and next five years CMC should be offered.
43. Bidder should have local service support.

**Annexure XI: Compliance sheet for Technical Proposal**

**Compliance Sheet for all Equipments**

**Technical compliance sheet for Deep freezer 80 Celsius**

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
1	Should reach Minimum temperature 86°C (in AC room)					
2	Insulation (CFC free polyurethane foam) at least Body: 155 mm sides, 325 mm Back, Door: 110 mm					
3	Temperature control should be through Microprocessor with PT-100 sensor					
4	At least Display 7" Touch Screen					
5	Door open alarm should be Audio visual alarm in case door open for over one minute					
6	Should have Chart recorder In-built 7 days circular chart recorder					
7	Internal body material S.S. 304 (AISI Grade, non corrosive, not magnetic)					
8	External body material Powder coated CRCA steel					
9	Noise Level less Than 65 db(A)					
10	Battery- Rechargeable, Back Up 8 hrs. (for alarm system & temperature record)					
11	Internal Volume 100 -600 ltrs.					
12	No of Plasma Bags capacity 150 bags					
13	Should have at least 2 tray					
14	Warranty should be of two years and further AMC/CAMC for next five years					
15	Post sales service should be available locally					

### Technical compliance sheet for Centrifuge Machine

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
1	Microprocessor controlled laboratory centrifuge with brushless induction motor with frequency drive, suitable for routine sample analysis in hospitals and pathology lab for minimum 20 or more tubes of 15 ml each with various adaptors					
2	Should be supplied with Swing Out Rotor of 8×15 ml glass tubes					
3	Should be able to achieve 4000 RPM and 2300 G force fixed angle.					
4	Should have safety lid interlock to prevent lid opening during centrifugations.					
5	Should have imbalance detection and centrifuge stop with display of error.					
6	Should have gas hinges to prevent door fillings with emergency lid lock release.					
7	Should be able to give stable speed output even under unstable voltage conditions.					
8	Should have feather touch setting keys					
9	Should have large LED display for speed and RCF.					
10	Should have Motor Overload Protection					
11	It should be ISO Certification and should be European CE or USFDA registered					
12	Warranty should be of two years and further AMC/ CAMC for next five years					
13	Post sales service should be available locally					

### Technical compliance sheet for Hot Air Oven

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
1	Size- table top volume of 50ltr (approx.)					
2	Digitally Microprocessor controlled equipment suitable for daily usage for sterilization – microprocessor based					
3	Should have double walled construction, special high quality insulated steel interior material – stainless steel					
4	Facility for adjustable shelves, removable shelves to be provided					
5	Insulated door fitted with heavy hinges, mechanical door lock					
6	Temperature range ambient to 300 deg. c or more, digitally temperature setting accuracy with digital display					
7	Temp. uniformity + 1 deg. C					
8	Should have forced air convection for uniform temperature					
9	Dimension : chamber ( in mm) [W×D×H] – 420×395×350 (approx.) Exterior (in mm) [W×D×H] - 720×590×520 (approx.)					
10	Should have a timer function, time range 1-999 min					
11	Power supply : 100-240 VAC, 50/60 Hz					
12	Any other requisite spares / accessories should be provided					
13	CE / USFDA Compliance from ISO 13485 certified manufacturer					
14	Warranty should be of two years and further AMC/CAMC for next five years					
15	Post sales service should be available locally					

### Technical compliance sheet for Incubator

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
1	Size-table top volume of 50 ltr. (approx.)					
2	Digitally Microprocessor controlled equipment suitable for daily usage for sterilization – microprocessor based					
3	Should have double walled construction, special high quality insulated steel interior material- stainless steel					
4	Facility for adjustable shelves, 2 removable shelves to be provided					
5	Insulated door fitted with heavy hinges, mechanical door lock					
6	Temperature range Room Temperature +5 deg. To 65 degree C, digitally temperature setting accuracy with digital display					
7	Temperature uniformity + 1 deg. C					
8	should have Forced air convection for uniform temperature					
9	Dimension: chamber (in mm) [WxDxH]-415x360x355 (approx.) Exterior (in mm) [WxDxH]-690x500x500(approx.)					
10	Should have a timer function, time range 1-9999 min					
11	should have full inner Glass door for easy observation without disturbing the sarr					
12	Power supply: 100 ·240 VAC, 50/60 Hz					
13	Any other request spares / accessories should be provided					
14	CE I USFDA Compliance from ISO 13485 certified manufacturer					
15	Warranty should be of two years and further AMC/CAMC for next					

	five years					
16	Post sales service should be available locally					

### Technical compliance sheet for Deep freezer 18 Degree for Plasma

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
1	Should reach Minimum temperature (in AC room)					
2	should have Plastic inner chamber, Outer body pre painted G.I.					
3	Should have Sealed drawers - prevent frost loss from open door					
4	Should have Solid state temperature controller					
5	Should have Adjustable baskets I shelves 6 Nos					
6	Should have Low energy consumption and noise levels					
7	Should have Quick freezing function					
8	Warranty should be of two years and further AMC/CAMC for next five years (600 Lit)					
9	Post sales service should be available local					
10	Stabilizer					

### Technical compliance sheet for 5 part cell counter

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	The 5 part cell counter should have following technical specifications					
	Principle & Technology					
	<ul style="list-style-type: none"> <li>• Counting Method : Impedance method for RBC and PLT</li> <li>• Haemoglobin measurement : Cyanide-free reagent</li> <li>• WBC Differentiation : Flow cytometer + Laser scatter + Chemical dye</li> <li>• Differential : 5-part WBC differential</li> </ul>					
	It should have below reportable parameters					
	<ul style="list-style-type: none"> <li>• Minimum twenty five routine parameters : WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC</li> <li>• Additionally have four Research Parameters: LIC%, LIC#, ALY%, ALY#</li> <li>• Graphs : 3 Histograms (WBC, RBC, PLT), 3 Scattergrams</li> </ul>					
	Performance					
	<ul style="list-style-type: none"> <li>• Throughput : 60 samples/hour</li> <li>• Sample Volume :                             <ul style="list-style-type: none"> <li>◦ Whole blood : 15 µL</li> <li>◦ Capillary whole blood : 15 µL</li> <li>◦ Prediluted : 20 µL</li> </ul> </li> </ul>					

	<ul style="list-style-type: none"> <li>• Precision &amp; Linearity : <ul style="list-style-type: none"> <li>◦ WBC : 0-500×10<sup>9</sup>/L , ≤2% precision, ≤0.5% carryover</li> <li>◦ BBC : 0-8×10<sup>12</sup>/L , ≤1.5% precision, ≤0.5% carryover</li> <li>◦ BGB : 0-250 g/L, ≤1.5% precision, ≤0.6% carryover</li> <li>◦ PLT : 0-5000×10<sup>9</sup>/L , ≤4% precision, ≤1.0% carryover</li> </ul> </li> </ul>				
	<b>User Interface &amp; Connectivity</b> <ul style="list-style-type: none"> <li>• Display : 10.4- inch TFT Touch Screen</li> <li>• Data Storage : Up to 40,000 results (numeric+ graphical)</li> <li>• Connectivity : USB, LAN (HL7 protocol ), LIS support (uni-/bi-directional)</li> <li>• Printer Support : External laser /inkjet, customizable formats</li> </ul>				
	<b>Operating Conditions</b> <ul style="list-style-type: none"> <li>• Temperature : 10°C to 30°C</li> <li>• Humidity : 20% to 85%</li> <li>• Air Pressure : 70 kPa to 106 kPa</li> <li>• Power Supply : 100V-240V, 50/60Hz</li> </ul>				
	<b>Physical Dimensions</b> <ul style="list-style-type: none"> <li>• Size : should be in range of 400 mm (D) × 320 (W) × 410 mm (H)</li> <li>• Weight : Less than 25 kg</li> </ul>				
	Warranty & CMC – Instrument should be supplied with two years warranty and next five year CMC				
	Post sales service should be available locally.				
	With UPS				

## Technical compliance sheet for fully automated biochemistry analyser

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
1	Fully automated Clinical Chemistry with ISE, multichannel, random access should be cable of perform test like substrates, enzymes, electrolytes, serum proteins, <b>Immuno</b> turbid metric assays.					
2	Instrument should able to perform more than <b>400 test/hour photometric and 600 tests-with-FSE sts per hour-Na, K, CL</b>					
3	Cuvette: Reaction cuvettes should be 90 reusable cuvettes & reaction temperature should maintain 37 degree					
4	Instrument should be able perform serum, plasma, Urine, CSF samples					
5	Instrument Must have HbAlc onboard automatic hemolysis preparation for whole blood samples for HbAlc					
6	Should have throughput for HbAlc should be minimum 75 samples per hour.					
7	Instrument must have grating system with optical absorbance 0-3.5A					
8	Instrument should have facility to load more than 100 samples at a time					
9	Instrument should have at least 90 reagent positions and <b>3ISEs</b>					
10	Should have two probes for sample and reagent handling with carry over less than .05%.					
11	Probes should have level sensing, Collision protection.					
12	Sample volume should be in the range of 1.5-45ul with step up of 0.1ul					

13	Instrument should have facility to perform automatic dilution (pre & post), reflex testing, automatic reruns					
14	Should have two independent mixtures with speed detection facility.					
15	Reagent volume required should be 10-200 ul with step up of 0.5 ul and minimum reaction volume 100 ul					
16	On board refrigeration temperature should be in the range of 2-8 degree Celsius to avoid reagent deterioration & frequent calibration					
17	Should have at least 8 Step Washing.					
18	Instrument should have mechanism to monitor reagent, incubation temperature & operator friendly temperature calibration facility for better quality of the results					
19	Water Consumption should be less than 21 L/H					
20	Photometer: Multi Wavelength with at least 12 wavelengths ranging from 340 to 800nm					
21	Instrument should have minimum reaction volume 100 ul					
22	Instrument must have clot detection facility.					
23	The instrument must be IVD CE Certified approved.					
24	Should have Calibration mode K factor, Linear, Logit-Log3P, Logit-Log4P, Logit-Log5P, Spline Exponential, Polynomial, Broken Line and Parabola.					
25	Should follow Control Rules Westward multi rule. LJ, Cumulative Sum Check, Twin Plot.					
26	Power supply 50/60Hz, 220-240V					
27	Capable to connect with LIS in Bidirectional Mode.					
28	The instrument should have enzyme linearity function to detect high value enzymes above linearity, Prozone effect detection					
29	Instrument should apply correction for Haemolysed, lipemic and icteric samples					
30	Instrument should have sample carryover setting to prevent parameter to parameters contamination					

31	Instrument should be supplied with two years warranty and CMC for further five years					
32	The bidder should provide local post sales service support.					

### Technical compliance sheet for USG Machine

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	1. The ultrasound system provided should be a state of art system which is reliable and stable. System should have Full Digital Super-wide Band Beam Former, Digital Dynamic Focusing, and Multi-beam Processing, etc.					
	2. System should have facility of system maintenance and upgrade completed by updating software to achieve product improvements and advanced technology.					
	3. System should have whole body scanning Applications & software for have a wide range of applications includes: Abdominal, OB/GYN, Cardiology, Urology, small parts, vascular, orthopaedic, anaesthesia and MSK applications					
	4. System should have following Scanning Modes:					
	a) General: B, Dual B, Quad B, THI, M mode, Color Doppler, Power Doppler Imaging, Directional PDI, PW					
	b) Cardiac:- TDI, HPRF, CW, Color M, Anatomic M					
	c) Dual-Live					
	d) Duplex and Triplex mode					
	e) Trapezoid 1 Imaging,					

	f) Real-time Panoramic Imaging(B mode)					
	5 System should have Tissue Harmonic Imaging Facility with Convex, Linear, Cardiac and the TVS probes					
	6 System must have Image compounding facility. Other equivalent Technology can also be offered. Processing technology in technical bid should as highlighted					
	7 The system offered must have High Definition Speckle Reduction Imaging, which is a real-time algorithm to increases contrast resolution by reducing speckle noise while maintaining true tissue appearance. This image processing technique should be able to remove speckles and clutter artefacts.					
	8 Should have Auto Image optimization function, a physical key should be available on the keyboard for easy access					
	9 System should offer at least 8 slider controls for TGC					
	10 System should offer provision for adjusting the right and left gain by LGC					
	11 System must provide facility to adjust gain when the image is on freeze					
	12 System should have at least 256 grey scale for better imaging					
	13 System should have focus number up to 12 focal points, and the intra-focus distance should be adjustable					
	14 System should have complete package for calculations of OB/GYN calculation package, Vascular calculations, Urology calculations, Cardiac Calculations, Doppler calculations					
	15 Auto Trace facility for measurements should be available on frozen screen as well as Real time					
	16 Machine should indicate GA on screen while performing the OB scan					
	17 System must have provision of taking the measurement automatically Automated Carotid Intima Media Thickness measurement package for risk assessment in evaluating health of arteries.					

	18 System must have provision of calculating EF value automatically.					
	19 System must have software for better visualization of needle and the needle tip while performing needle guided procedures					
	20 System should have minimum 17" high resolution LCD/LED monitor display with swivel and tilt facility. It should be upgradeable to 19inch monitor.					
	21 System should offer maximum scanning depth of 40cms					
	22 System should have Cine loop of minimum 1000 Frames					
	23 System should be provided with facility to do measurements on saved image and the report page should get updated automatically					
	24. The system should have a high dynamic range of about 280 dB					
	25. The system should have real time 2D panoramic view imaging that operates by sweeping a transducer over the area of interest					
	26. The system should have real time color panoramic view imaging that operates by sweeping a transducer over the area of interest					
	27 System should be upgradable to Volume 3D/4D Imaging in Future.					
	28 System should be upgradable to <b>Elastography</b> Imaging on linear probe in Future.					
	29 System should have 4 probe Connectivity ports as standard and all ports should be universal and should support all transducers					
	30 Probes offered should be Broad band frequency probes offering at least user 3 selectable frequency range					
	31 System should be provided with DICOM connectivity as standard					
	32 System should have 500 GB hard disk for digital image storage					
	33 System should have at least 4 ports of USB for data transfer and inbuilt CD/DVD writer					
	34 System should be quoted with following probes					
	➤ Broad Band Convex					

	probe (Frequency Range 1-7 MHz)					
	➤ Broad Band Linear Probe for Vascular applications. (Frequency Range 4-16 MHz)					
	➤ Broad Band Transvaginal Probe (Frequency range 3-15 MHz)					
	➤ Broad Band Cardiac Probe (Frequency range 1-5 MHz)					
	<b>Accessories</b>					
	35 System should be offered with a Digital Color Printer					
	a) working on the Dye Sublimation Heat Transfer technology					
	b) Having minimum 300 dpi resolution					
	c) Should have good quality laminated coat					
	d) Print size of 6X8 should be available					
	36 System should be offered with B/W Digital Thermal Paper Printer					
	37 Should have warranty period of two years and CMC for next five years					
	38 Post sales service support should be available locally.					

**Technical compliance sheet for USG Machine with Colour Doppler & ECO Facility**

<b>Sr. No.</b>	<b>Technical specifications/ composition of tender enquiry</b>	<b>Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)</b>	<b>Brand Name (only for Importer)</b>	<b>Medical devices/ Import License</b>	<b>MSME/ SSI</b>	<b>Remarks, if any</b>

A	B	C	D	E	F	G
	1. High end color Doppler ultrasound with wideband technology, capable of producing high resolution images in Abdomen, OB-GYN, Fetal Heart, Small Parts, MSK, Urology etc. applications.					
	2. System should have 23" anti-flickering high resolution monitor with swivel & height adjust facility. It should support full screen imaging to utilize entire screen area.					
	3. System should have backlight control panel which enables user to operate in dark.					
	4. System should have 13" or more gesture-operational touch screen with customizable button layout should be given for ease of operations.					
	5. System should have height adjustable control panel (up to at least 110mm) & side rotatable control panel (30°).					
	6. System should have four active and universal ports. All the transducers should support multi frequency.					
	7. System should be compatible with multiple transducer choices, covering linear, convex, micro-convex, Endocavity, phased array and 4Dconvex transducer for volume imaging. 4D transvaginal probe should be upgradable.					
	8. System should have signal processing bandwidth 1-18 MHz.					
	9. System should have facility for real time and frozen zoom & facility for post processing (like saved Doppler image to 2D image, Gain, Chroma, add annotation, measure etc.)					
	10. Total operating depth range should be wide enough to cover vast range of applications. Depth should be accessible up to 40 cm.					
	11. Monitor should have thumbnail view of saved images and cine clips and reviewing images on monitor quickly.					
	12. The operating modes system should have - 2D, M-mode, Color mode, PW, CW, Power Doppler mode, TDI, AMM.					
	13. TGC and LGC sliders to get the optimum resolution.					

	14. System should have full spectrum imaging-latest state of the art digital multi beam forming technology, Tissue harmonic imaging, Spatial compound imaging, speckle reduction technology, trapezoidal image, Quad and dual imaging.					
	15. Spatial compounding and speckle reduction technology should be given as standard configuration. Both features should be available with all transducers.					
	16. Auto resolution adjustment in B-mode with a single button. Auto gain adjustment in color mode should be available.					
	17. One button/click auto adjustment of baseline and scale in PW mode.					
	18. System should support Dual B, Quad B, Duplex, Triplex, Dual live imaging.					
	19. System should be able to support biopsy mode for needle guided procedures. Guideline should be visible with proper needle visualization software. This should be given as standard feature.					
	20. The system should offer multiple application dedicated pre-sets inbuilt. Further provision to create user defined pre-sets.					
	21. The system should support the following: Split screen imaging (one frozen, one live): where each image can be processed individually and can be acquired from different transducers.					
	22. System should have high dynamic range of 30 to 280dB. This should be easily accessible to user.					
	23. System should have easy access to old saved images. System should have inbuilt SSD of 500 GB or more.					
	24. System should have live color panoramic imaging with linear probe.					
	25. System should have strain based Elastography with linear					
	26. 3D imaging should be supported with 2D convex transducer. Machine should be able to construct 3D and 4D images with just two clicks.					

	27.4D post processing options like trace, cut, undo cut. Multi slice, Rendering modes etc.					
	28. All the probes, including volume probe, should be light weighted and wrist friendly.					
	29. Provision to connect printer (recommended by supplier) directly to the machine or transferring images/reports to PC.					
	30. Different formats should be available to save images and clips e.g. JPG, BMP, AVI etc.					
	31. System should be DICOM enabled. All the necessary software shall be provided by manufacturer.					
	32. All the measurement packages should be supported for various applications such as Abdominal, OB/Gyn, Cardiology, Urology, Small Parts, Vascular, Orthopedic etc.					
	33. System should have auto measurement features like Auto OB, Auto IMT, Auto HIP, Auto IVC, Auto VTI etc.					
	34. System should have VS flow mode & HRI QA (L-K ratio) features.					
	35. System should display fetal growth in a graph chart according to measurement items and their OB tables.					
	36. Frame rate Should be 1600 fps or more.					
	37. Dedicated comments/annotation charts should be available in the system for various applications such as Abdominal, OB/Gyn, Cardiology, Urology, Small Parts, Vascular, Orthopedic etc. And user should be able to edit and rearrange list of comments as required.					
	38. System should have capacity to store cine clips in both retrospective and prospective manner.					
	39. CD/DVD & USB ports (2.0 and 3.0) for easy image/clip transfer.					
	40. System should be provided with multi-frequency wide band probes-					
	a. 1.0-6.0 MHz curved array probe for general purpose, OB/GYN, Abdomen, Renal Doppler, deep nerve access					

	pecially sub gluteal and abdominal applications.					
	b. 3.0-13.5 MHz Linear array probe for small parts application					
	c. 3.0-16 MHz Linear array probe for small parts application					
	d. 3.0-13.0 MHz transvaginal probe.					
	e. 1.3-5.0 MHz Phased array probe for cardiac application.					
	41.Compliance and Working Conditions: The system should be approved by the FDA/CE/BIS/CDSO, the system should operate at 240 volts.					
	42. Warranty should be two years and next five years CMC should be offered.					
	43.Bidder should have local service support.					

### Technical compliance sheet for 03 part cell counter machine

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	1. The 03 part cell counter machine should have the method of Impedance method for WBC, RBC, and PLT; photoelectric colorimetry for HGB (using cyanide-free reagent)					
	2. Instrument should have up to 72 samples throughput per hour					
	3. It should measures twenty two parameters, including P_LCC, P_LCR, and histograms for WBC, RBC, and PLT Analytical					
	4. Instrument should require minimum sample volume- whole blood: 13µL & Pre-dilute: 20µl					
	5. It should have data storage up to 50000 sample results or more					
	6. It should have built in thermal printer & printer QC modes four					

	modes (L-J, X, X-R, X-B)					
	7. It should have connectivity of LIS and HIS support with HL7 protocol System					
	8. The instrument should have feature of internal lyse storage & RFID reagent closed system					
	9. It should have facility of USB data backup and system upgrade					
	10. It should have 10.4-inch color LCD touch screen display					
	11. Dimensions: 41.5 cm(L) 30.5(cm)(W) 39.5(cm){H}					
	12. It should weight of below 20 kgs.					
	13. Instrument to be supplied with two years warranty and AMC/CAMC for next five years.					
	14. Local post sales service support should be available.					
	<b>UPS</b>					

### Technical compliance sheet for Binocular Microscope

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importer)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	1. Body: Binocular, sturdy, stable base body with focus adjustment controls. Eye piece: Paired, high quality, (the image of the object as seen through the binocular eyepiece should be well defined centrally in at least 2/3 field of view), achromatic, wide field, 10x with inbuilt pointer.					
	2. The eyepiece should be aplanatic and have a minimum field number of 18 <b>Diopter</b> adjustment must be present on one/both eye pieces or on the eye piece tube.					

	3. Objective: Three objectives 10x, 40x, 100x. 10x and 40x objectives should have numerical apertures of 0.25 and 0.65 respectively and should be of spring loaded type or otherwise. 100 x should have numerical aperture of 1.25 and should be of oil immersion and spring loaded type.					
	4. All objectives should be wide field, achromatic and Para focal.					
	5. Nose piece: Revolving nose piece to accommodate a minimum of three objectives with click stops. It should be provided with ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment, Extra ports if any should be fitted with dust proof metallic/ebonite caps.					
	6. Stage: uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/- 20mm) with fine vernier graduations (minimum reading accuracy of 0.1 mm).					
	7. The stage should be provided with spring loaded slide holder for exact positioning of specimen/ slide.					
	8. It should be designed with convenient sub-stage vertical coaxial adjustment for slide manipulation. Sub-stage condenser: Abbe-type condenser, numerical aperture (N.A.) 1.25 focusable with rack and pinion arrangement incorporating an spherical lens and an iris-diaphragm.					
	9. The condenser should have a filter holder and removable/ swing in/out blue filter (suitable for bright field Microscopy).					
	10. The system should have a build-in variable light source (Illuminator).					
	11. This light source should have a 20 W, 6V Halogen lamp. The circuitry for the light source should include a constant voltage supply.					
	12. The system should be provided with a step down transformer and an on-off switch and intensity control.					
	13. The lamp should be provided with a lamp socket which has the facility for easy replacement of					

	the bulb,					
	14. Power supply: Voltage 220 V AC, 50Hz. Should have one on-off power switch, 3 core power cord with a 3 point male plug.					
	15. The system should have an inbuilt protective/ safety device to withstand fluctuations of voltage from 140 V to 280 V.					
	16. Eye piece tubes: Binocular eye piece tubes, inclined at 45 degrees, rotatable through an angle of 360 degrees, having inter-pupillary distance range of 54-74 mm or wider, covering the above mentioned range.					
	17. Focusing knob: Co-axial coarse and fine focusing knobs capable of smooth fine focusing movement over the full range of coarse travel. The fine focusing movement should have sensitivity of two microns or less (finer) over the entire coarse focusing stop safety arrangement should be provided.					
	18. All optical parts including objectives, eye pieces and prisms should have anti-reflective coating which also gives anti-fungal property. All metallic parts should be corrosion-proof, acid proof and stain-proof.					
	19. All consumables required for installation and standardization of system and microscope cover to be given free of cost					
	20. Should be US FDA or CE or ISI approved product.					
	21. Two years warranty & five years comprehensive AMC should be quoted in the bid					
	22. The bidder should have service centres in close proximity.					
	23. Microscope should be supplied with User/Technical/Maintenance manuals.					

## Technical compliance sheet for Cervical Cancer Screening Device

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	1. The cervical cancer screening device should be capable for a cervical cancer screening being a portable, battery operated					
	2. The device must be handheld, include a camera inside the vaginal cavity, have an LCD display, and provide at least 4 hours of battery life.					
	3. The screening device should have hardware					
	- 29X-46X magnification					
	- Tablet mobile included					
	- image storage included					
	- Running electricity not required					
	- Usage in out-patient examination					
	- Lithotomy chair not needed					
	4. The screening device should have below software features					
	- Triaging module for expert					
	- Messaging module					
	- Chronological patient history					
	- Manual SWEDE score calculators					
	- HIMS integration					
	- Certified for data security					
	- Multi-lingual					
	- More informative visual report					

	- Dashboard for monitoring					
	5. The device should be having US FDA (510k) OR CE certification					
	6. Warranty should be of two years AMC/CAMC					
	7. Post sales service should be available locally					
	8. Instrument should be supplied all the manuals					
	9. Demonstration of the instrument should be provided by the bidder					
	10. Training to the staff should be done by the bidder.					

### Technical compliance sheet for coagulation analyser

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	1. The coagulation analyzer should be a semi-automated system that uses a mechanical measuring principle to perform blood coagulation tests.					
	2. Should have below key specifications					
	- Measuring channels: One					
	- Measurement principle: Mechanical coagulation analysis. A rotating steel ball is monitored by a magnetic sensor at the bottom of the cuvette. The formation of a clot is detected by a change in the ball's movement.					
	- Test parameters coagulation assays, including: Prothrombin Time (PT), Activated Partial Thromboplastin					

	Time (APTT), Thrombin Time (TT)				
	3. Workflow features:				
	Automatic function check on start up.				
	Countdown timer for accurate starting of the measurement with a start-pipette.				
	Automatic calculation and display of results.				
	Acoustic and visual signals when a test is finished.				
	4. Instrument should accept Whole blood, plasma, or capillary citrated blood.				
	5. It should have reagent positions five incubation positions.				
	6. Should have incubation positions: five at 37°C.				
	7. Sample volume required should be in range of 150-400 µl.				
	8. The instrument should display the values in INR or seconds.				
	9. Dimensions (W x H x L): 113 x 68 x 207 mm.				
	10. Should be portable and weight should be less than 2 kgs.				
	11. Operating voltage should be: 115/230 V, 50-60 Hz.				
	12. Power consumption should be ~16 VA.				
	13. The instrument should be supplied with two years of warranty and CMC for next five years.				

## Technical compliance sheet for Elisa reader and washer

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	1. Elisa reader should have absorbance Range: 0 to \ (4.000) Abs Resolution: \ (0.0011) Abs (displayed), \ (0.00011) Abs (calculated)					
	2. Optical System should be 8-channel optical fiber system					
	3. It should have wavelengths includes standard filters for wavelengths like 405, 492, and 630 nm.					
	4. Measurement speed should reads a 96-well plate in approximately 5 seconds at a single wavelength.					
	5. Plate Compatibility: Compatible with standard 96-well plates and strips Plate Shaking: Shaking time and speed should be adjustable Calculation Methods: Supports various calculations, including ABS, Cut-off, Linear, and 4PL regression					
	6. Methodologies: should be capable of performing end-point, fixed-time, and kinetic assays					
	7. Memory: instrument should store up to 100 programs and 10,000 sample results 8. It should have a built in thermal printer & external printer is optional					
	9. It should have facility of interface thru USB, LAN, and RS-232 ports					
	10. Power Supply: (100-240) VAC, \ (50/60) H2					
	11. Dimensions: Approximately \ (425) (L) x \ (310) (W) x \ (215) (H) mm & weight below 15 kg					

	12. ELISA micro plate washers should be designed to leave a minimal volume of liquid in each well after aspiration (often < 1-5 $\mu$ L) to prevent cross contamination and background noise.					
	13. It should uses separate nozzles for aspiration and dispensing to avoid cross-contamination.					
	14. Elisa washer should have self-diagnostics check at start up to detect electronics or motor faults.					
	15. It should automatically monitors vacuum and pressure levels for consistent performance.					
	16. Built-in incubator facility should be there for maintaining specific temperatures during the assay process.					
	17. The instrument should be CE/FDA approved					
	18. Should be provided warranty of two year and further CMC for five years.					
	19. Local service support should be available with bidder					

### Technical compliance sheet for Vertical Autoclave

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importer)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	<ul style="list-style-type: none"> <li>THE Vertical Autoclave should be used in Microbiology, Medicine, Waste treatment and all applications requiring sterilization.</li> </ul>					
	<ul style="list-style-type: none"> <li>It should have double walled construction with inner chamber (boiler) made-of Stainless Steel 16 SWE sheet-304 grade and Outer shell of</li> </ul>					

	Stainless Steel sheet-304 grade, mirror polish, Capacity up to 22 litres & one basket.					
	<ul style="list-style-type: none"> <li>The Boiler and outer shell should be provided with air insulation.</li> </ul>					
	<ul style="list-style-type: none"> <li>Lid should be made of die pressed thick stainless Steel plate &amp; is equipped with Pressure gauge, Steam release/Exhaust valve &amp; spring loaded safety valves &amp; X" BSP Port fitted with coupling for validation purpose.</li> </ul>					
	<ul style="list-style-type: none"> <li>Should have foot lifting arrangement for the lid.</li> </ul>					
	<ul style="list-style-type: none"> <li>It should be fully Argon welded to avoid steam and pressure leakage.</li> </ul>					
	<ul style="list-style-type: none"> <li>It should consist of heavy duty industrial flange heaters.</li> </ul>					
	<ul style="list-style-type: none"> <li>It should be full sterilization cycle including Air purging, Sterilizing hold time, Cycle end with release/exhaust of pressure &amp; alarm is automatic.</li> </ul>					
	<ul style="list-style-type: none"> <li>The autoclave should be Microprocessor based Controller with time and temperature programmable by user.</li> </ul>					
	<ul style="list-style-type: none"> <li>Should have timer Range up to 99 Minutes.</li> </ul>					
	<ul style="list-style-type: none"> <li>Should have temperature Sensor: PT-100.</li> </ul>					
	<ul style="list-style-type: none"> <li>Low water level alarm with heater cut off should be available in the instrument.</li> </ul>					
	<ul style="list-style-type: none"> <li>Should have perforated basket made of Stainless Steel sheet of medical grade quality.</li> </ul>					
	<ul style="list-style-type: none"> <li>Should operates on 230 Volts AC Single phase 50 Hz.</li> </ul>					
	<ul style="list-style-type: none"> <li>Should have temperature Range 121°C to 125°C, temperature Resolution 0.1 °C &amp; pressure range 15 PSI to 20 PSI.</li> </ul>					

	<ul style="list-style-type: none"> <li>System should be quoted with two year warranty and CMC for further five years post warranty</li> </ul>					
	<ul style="list-style-type: none"> <li>Service support should be available locally</li> </ul>					

### Technical compliance sheet for Semi-automated biochemistry analyzer

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importer)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
	1. The semi automated biochemistry analyser should perform assay types of end-point, fixed-time, and kinetic assays.					
	2. Should have modes to operate in dual mode using both an integrated flow cell and external cuvettes.					
	3. The instrument should have a mechanical keypad with a graphical LCD display.					
	4. Should have capability of storing minimum 10000 patient results & QC of 30 days for each assays. Facility of reagent blank data storage should be available.					
	5. Should have halogen lamp light source with wavelength selection of automatic selection via an 8-position filter wheel.					
	6. Should have seven standard narrowband interference filters and one open position for an optional fitter.					
	7. Instrument should have standard filter wavelengths: 340, 405, 505, 546, 576, 630, and 670 nm. Wavelength accuracy: pm 21 nm.					
	8. It should have absorbance range: 0.0-3.0 A & resolution: 0.0001 absorbance units.					

	9. Instrument should have silicon photodiode <b>detector</b>					
	10. Thermostatic and testing specifications should be as below.					
	- Temperature control: <b>Peltier</b> -controlled, allowing for temperature settings of 25°C, 30°C, and 37°C.					
	- Reaction cuvette: High-quality quartz flow cell for precise measurements.					
	- Flow cell volume: 30 µL					
	11. Instrument should have test profiles clinical chemistry and coagulation modes for PT/APTT/TT testing.					
	12. it should have QC menu which provides daily and monthly QC with Levy-Jennings graphs for quality control.					
	13. It should have high-speed thermal built-in printer.					
	14. Should have internal incubator of minimum 12 positions.					
	15. Semi automated biochemistry analyser should have below physical and power specifications					
	- Dimensions (L x W x H): 422 mm x 324 mm x 176 mm.					
	- Weight: 6.5 kg.					
	- Power requirements :Input voltage: 88-264 VAC.					
	- Interface: Standard RS232 inter face.					
	16. Warranty-Bidder should provide warranty and CMC/AMC for next five years.					
	17. Local service support should be available					

### Technical compliance sheet for Neonatal, Paediatrics, Adult: Ventilator

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per	Brand Name (only for Importer)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
---------	---	---	--------------------------------	---------------------------------	-----------	-----------------

		licences mentioned in the bid. If written then bid will be rejected)				
A	B	C	D	E	F	G
	1.The ventilator should be an advanced technology ventilator specifically for use in ICU					
	2. It should be capable of ventilating Neonatal. Paediatric and Adult patients					
	3. It should be a microprocessor-controlled system with individual selection of various ventilation parameters					
	4. The ventilator should be BIS approved. Incase BIS is not available it should be USFDA/European CE approved, and four digit notified body number must be available if CE is produced.					
	5. Should have manufacturing/import license from CDSCO for the quoted model in accordance with Indian MDR 2017					
	<b>VENTILATION MODES AND CAPABILITIES</b>					
	1. The ventilator should have the following modes for invasive ventilation.					
	a. Volume Assist Control, or equivalent					
	b. Pressure Assist Control, or equivalent					
	C. Pressure-regulated Volume Control, or equivalent					
	d. Airway Pressure Release Ventilation, or equivalent					
	e. Pressure SIMV, with pressure support, or equivalent					
	f. Volume SIMV, with pressure support, or equivalent					
	g. Pressure Support Ventilation with for apnea back-up, or equivalent					
	h. Volume support (VS)/ Volume assured Pressure Support (VAPS) with apnea backup, or equivalent					
	i. Continuous Positive Airway Pressure Mode (CPAP), or equivalent					
	2. The ventilator should have a dedicated mode for non-invasive ventilation (NIV). The following modes must be available with NIV.					

	a. Continuous Positive Airway Pressure (CPAP) with Pressure Support, or equivalent					
	b. Bi-level positive airway pressure (BIPAP) or equivalent					
	C. Non-Invasive Pressure Control (NIV-PC) or equivalent					
	d. N-CPAP, or equivalent for neonatal NIV ventilation					
	e. Bubble CPAP, or equivalent for neonatal NIV ventilation					
	f. Integrated High Flow Nasal Oxygen generating flows of at least 80 ltr/minute and FIO2 of 1.0 and with flow ramp feature					
	3. Should have inbuilt <b>Oesophageal</b> /trans pulmonary pressure monitoring via auxiliary pressure port					
	4. There should be upgradable to inbuilt SPO2 monitoring/ <b>Pulseoximetry</b>					
	5. Ventilator should be upgradable to inbuilt mainstream EtCO2 with volumetric <b>capnography</b> for dead space analysis and gas exchange assessment. It should include parameters such as EtCO2, VICO2, MVCO2, Vd phy, Vd ana, Vd alv, Slope CO2, Vt alv and MV alv					
	6. The Ventilator should be upgradable to inbuilt Metabolic Monitoring/Indirect <b>Calorimetry</b> with monitoring of parameters EE, VO2, VCO2 and RQ					
	7. The ventilator should have Inspiratory Synchronized Vibrating Mesh nebulizer module built into the ventilator with capability of producing <3-micron drug particle. External or USB based nebulizers are not acceptable, nebulizer should be insp. Synced and controllable via ventilator touch screen					
	8. The ventilator should have inbuilt Volume Compensated and inspiratory Synchronized Jet nebulizer. It should automatically compensate for nebulizer flow and synchronize with inspiration to reduce drug wastage.					
	9. Ventilator User Settings					
	a. Tidal Volume: 2 mL-2000 ml.					
	b. Peak Inspiratory Pressure 100 cm H2O or more					

	c. Flow pattern: square wave and decelerating selection in VCV				
	d. I:E ratio: 1:9-4:1 or better				
	e. Mandatory respiratory rate 2-150 breaths per minute.				
	f. Inspiratory time-10 to 80% of breath cycle time				
	g. Inspiratory plateau 0 to 60% of inspiratory time				
	h. Rise time-0 to 20% of inspiratory time				
	i. PEEP 0 to 60 cm H20				
	j. FIO2 21 to 100%				
	k. End expiration (% of peak flow): 1-70 k.				
	l. Flow trigger 0.2 LPM to 10 LPM				
	m. Pressure trigger-10 cmH20 to 0.2 cmH20				
	<b>MONITORING AND CONTROL</b>				
	1. The following must be monitored by the ventilator and displayed as needed:				
	a. Peak airway pressure				
	b. Plateau airway pressure				
	c. Mean airway pressure				
	d. Inspired Tidal Volume.				
	e. Expired Tidal Volume				
	f. Inspired Minute Volume				
	g. Expired Minute Volume				
	h. Spontaneous Minute Volume				
	i. Static Compliance				
	j. Dynamic Compliance				
	k. Inspired Resistance				
	l. Expired Resistance				
	m. Respiratory Rate (set)				
	n. Respiratory Rate (total)				
	o. PEEP				
	p. Auto-PEEP				
	q. Trapped Volume				

	r. Stress index				
	s. RSBI				
	t. Work of breathing				
	u. P0.1				
	v. NIF				
	w. FIO2				
	x. Leak amount				
	y. Inspiratory Time constant				
	z. Expiratory Time constant				
	aa. <b>Elastance</b>				
	bb. <b>Paux/Pes/TPP</b>				
	2. It must be capable of performing standard <b>maneuvers</b> like:				
	a. Inspiratory Hold				
	b. Expiratory Hold				
	c. One-touch increase in FiO2 to 1.0 for suctioning				
	d. One touch standby and wake-up				
	e. One touch nebulization control				
	3. Should have Negative Inspiratory Force (NIF) and Occlusion Pressure (P0.1) measure tool for assessing the patient's respiratory muscle strength and drive				
	<b>ALARMS</b>				
	1. The following alarms must be standard. Limits must be user adjustable:				
	a. Airway pressure				
	b. Expired minute volume				
	c. No patient effort (apnea) alarm, with automatic return to support mode on patient triggering				
	d. Respiratory frequency				
	e. End-expiratory pressure				
	f. High continuous pressure				
	g. Oxygen concentration				
	h. Gas supply pressure				

	i. Battery-low charge, low battery voltage				
	j. EtCO2 limits				
	k. Leakage out of range in NIV				
	l. Technical alarm (specific technical fault in internal circuitry)				
	<b>DISPLAY</b>				
	1. It should be at least 15 inches (measured diagonally, active display area only) in size and inbuilt TFT/LED touchscreen display. Both touchscreen and rotary knob controls are needed. The display must be <b>tiltable</b> and rotatable.				
	2 It must be capable of displaying at least 3 scalars and 2 loops simultaneously for each breath, and a 72-hour trend display of measured parameters				
	3. Should have Option for both line type and filled waveform				
	4. The display brightness must be user adjustable and must be readable in bright sunlight				
	<b>OTHER SPECIFICATION</b>				
	1. Ventilator battery back-up time must be at least 4 hours				
	2. Ventilator should have RS 232/ LAN port for communication and HL-7 compatible data output. The ventilator must be capable of interfacing with any HL-7 compatible patient data management system.				
	3. The bidder and OEM must give a written undertaking at the time of bidding AND at the time of placing the supply order to the buyer that all drivers and software needed for interfacing the ventilator with the patient data management system will be provided on demand at the site of installation without any additional fees/costs/charges. These drivers and software must be in their final usable form for third party data integration and not need additional software/hardware.				
	4. The ventilator must be compatible with the usually available consumables such as generic two-limb patient circuit, NIV mask, filters, etc. If any				

	OEM-specific consumables required for the operation of the ventilator, it should be supplied free of cost during the warranty and CMC period.					
	<b>SUPPLY, DEMONSTRATION, SERVICE AND WARRANTY</b>					
	1. Oxygen Sensor should be covered under warranty, and should be replaced by the company free of cost					
	2. Battery should be covered under warranty and CMC, and should be replaced by the company free of cost					
	3. Flow Sensors (for Adult & Paediatric patient categories, Tidal >20 ml):					
	a. For disposable external flow sensors, 200 sensors per ventilator must be provided at the time of purchase					
	b. For reusable external flow sensors with limited autoclaving cycle life, 10 sensors per ventilator must be provided at the time of purchase					
	4. Flow Sensors (for neonatal patient categories, Tidal Volume <20 ml):					
	a. For disposable external flow sensors, 40 sensors per ventilator must be provided at the time of purchase					
	b. For reusable external flow sensors with limited autoclaving cycle life, 2 sensors per ventilator must be provided at the time of purchase					
	5. The expiration cassette/valves including diaphragm should be reusable with complete disinfection capability. Two expiration cassette/valves per ventilator must be provided at the time of purchase.					
	6. It should be provided with servo-controlled humidifier with all the accessories for smooth functioning					
	7. Scope of supply (per ventilator)					
	a. One fully functional Ventilator with 5 years warranty (as specified)					
	b. Two expiration cassette/valves (as specified earlier)					
	C. Flow Sensors (as specified earlier)					

	d. One Vibrating Mesh nebulizer with all the required cables, T-Piece connectors, etc.					
	e. One Jet/Pneumatic nebulizer with all required connectors					
	f. One Servo Humidifier (as specified earlier)					
	g. Two disposable adult patient circuit					
	h. Two disposable paediatric patient circuit					
	i. Two disposable Neonatal patient circuit					
	8. The machines must be supplied complete with all the required disposable/ spare items (e.g., ventilator trolley, hinged arm, power cords, patient circuits, filters, appropriate connectors, test lung, flow sensors, sample tubing with adaptors, user manual etc.) in ready to use condition.					
	9. All the components of the system including ventilator trolley, hinged arm, etc. must be from the same manufacturer.					
	10. Technical demonstration of quoted model is must.					
	11. The OEM must have a minimum of 5 years' experience, as of the bid opening date, in manufacturing and supplying ICU ventilators of the same brand. The OEM must submit a few order copies from reputed government hospitals and institutions that are more than 5 years old to demonstrate its experience in ICU ventilators of the same brand.					
	12. In case the bidder is not the OEM, they must have a legally binding agreement with the OEM for the entire warranty and CMC period (10 years) to provide service support, supply genuine spare parts, and fulfil all contractual obligations in India.					
	13. The complete list of consumables, their cost, and approximate interval of replacement must be clearly mentioned in writing at the time of bidding. The interval of replacement must be as per the OEM Operating Manual/Instructions for Use.					
	14. Warranty statement: Comprehensive warranty for two years, with an option to enter CMC for an additional 5 years.					

	The cost of CMC to be quoted separately time of bidding.					
--	--	--	--	--	--	--

**Technical compliance sheet for blood storage refrigerator 250 liters 600 lit.**

Sr. No.	Technical specifications/ composition of tender enquiry	Compliance on each parameter with detailed substantiation how the offered product meets the requirement(do not write simply yes or complied or as per licences mentioned in the bid. If written then bid will be rejected)	Brand Name (only for Importe r)	Medical devices/ Import License	MSME/ SSI	Remarks, if any
A	B	C	D	E	F	G
1	Should have inner chamber made from high quality AISI-304 55 & outer cabinet is powder coated CRCA sheet					
2	Should have High grade CFC free PUF insulation 70 mm for cabinet & 80 mm for door					
3	Should have heavy duty imported telescopic channels to support drawer movement full load					
4	Should have Precise temperature management with microprocessor controller Temperature preset at 4°C (deviation <+0.5°C)					
5	Should have high & Low temperature alarm for temperature beyond 2°C to 6°C					
6	Should have Forced air circulation mechanism through Dual motorized blower fans					
7	Should have Dual Temperature Sensors, one dipped in simulated solution bottle & one in internal ambience for display of actual blood temperature & for controlling compressor functioning simultaneously					
8	Should have Integrated 7 day circular chart recorder					
9	Should have lockable heavy duty swivel castor wheels to provides easy mobility					
10	Should have Flicker free internal lighting, illuminates once the door is open for clear visualization of stored blood bags					

11	Should have Outer door with see through double pane glass window					
12	Should have independent Internal Acrylic cover for each drawer to avoid loss of temperature while individual drawer opening					
13	Should have Audio visual alarms for					
	1. Temperature high/low					
	2. Sensor open/Short					
	3. Door Open					
	4.Compressor on (only visual)					
14	5. Power on (only visual)					
	Should have Settable points of					
	1. Set temperature point					
	2. High / low temperature alarm point,					
14	3. Buzzer off time					
	4. Stabilizer					
15	Should have 6-8 hrs battery backup for alarm system, temperature display & chart recorder					
16	Blood Bank Refrigerator should have a capacity to hold minimum up to 300 PRBC bags of 350ml					
17	Blood Bank Refrigerator should confirm to noise level of less than 35 db(A)					
18	Should have Auto defrost mechanism					
19	Should have Safety Thermostat for avoiding negative temperature					
20	Should have ergonomically designed perfect grip handle with door lock					
21	Should have wide LED display for temp.					
22	Product should be CE marked from a European Notified body/USFDA Registration					
23	Manufacturer should have ISO/ICMED 13485 issued by NABCB/IAF approved notified body, CDSCO registration					
24	A line voltage corrector of appropriate rating giving all the specifications should be supplied along with the unit					
25	Warranty should be of two years and further AMC/CAMC for next					

	five years					
26	Post sales service should be available <b>locall</b>					

Signature

Date

Place

**Appendix XII: Place of delivery**  
(District wise place and address of all Equipments)

Sr No.	Name Of Equipment	Quantity	Name Of Delivery Places
1.	Deep Freezer 80 celsius	1	<b>Women and New Born Hospital Chhatrapati Sambhajinagar</b>
2.	Centrifuge Machine	4	
3.	Hot Air Oven	2	
4.	Incubator	2	
5.	Deep Freezer -18c for Plasma	1	
6.	5 Part Cell Counter Machine	2	
7.	Fully Automated Bio Chemistry Analyzer	1	
8.	USG Machine	2	
9.	3 Part Cell Counter Machine	1	
10.	Binocular Microscope	3	
11.	Cervical Cancer Screenig Device	2	
12.	Coagulation Analyser	1	
13.	Elisa Raeder with washer	1	
14.	Vertical Autoclave	1	
15.	Semi Auto Aanalyser Bio Chemistry Machine	1	
16.	Ventilator - Neonatal , Paedtric, Adult	10	
17.	Blood Storage Refrigerator 250 Ltr	4	
18.	USG Machine with Colour Doppler & ECO Facility	2	

Signature

Date

Place

**Annexure-XIII: Self Declaration Affidavit (on Rs.100/- Stamp Paper)**

I ..... age ..... address .....

(Authorized signatory to sign the contract), hereby submit, vide this affidavit in truth, that I am the owner of the contracting firm ..... / authorized signatory and I am submitting the documents in envelope no.1 for the purpose of scrutiny of the contract. I hereby agree to the conditions mentioned below: -

- a. I am liable for action under Indian Penal Code for submission of any false / fraudulent paper / information submitted in envelope no.1.
- b. I am liable for action under Indian Penal Code if during contract period and defect liability period, any false information, false bill of purchases supporting proof of purchase, proof of testing submitted by my staff, subletting company or by myself, I will be liable for action under Indian Penal Code.
- c. I am liable for action under Indian Penal Code if any paper is found false / fraudulent during contract period and even after the completion of contract (finalisation of final bill).

(Signature of Bidder)

(Seal of company)

**Annexure-XIV: Manufacturer's Authorization Form**

(Manufacturer's or Producer's Letter head)

To,  
The Chief Executive Officer,  
Maharashtra Medical Goods Procurement Authority,  
1<sup>st</sup> Floor, Arogya Bhawan,  
P.D' Mello Road, Mumbai- 400001.

WHEREAS (*Name of Manufacturer or producer*) (hereinafter, "we" "us") who is established and reputable manufacturer's or producers of (*name and/or description of Goods requiring this authorization*) having production facilities at (*Insert address of the factory*) do hereby authorize (name and address of Bidder) (herein after, the "bidder") to submit a bid, and sign the Contract with you against Request For Proposal ref no. (*Title and reference of RFP*) including the above goods produced by us.

We hereby extend our full guarantee and warranty for the above specified Goods described above in accordance with the terms and conditions of this Request for Proposal and Contract to be executed between the Bidder and Authority.

For and on behalf of the Manufacturer or Producer

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

In the capacity of (*Title, position, or other appropriate designation*) and duly authorized to issue Authorization Form on behalf of (*Name of Manufacturer or producer*)

*Note:*

This Letter /form should be signed by a person competent and having the power of attorney/authority to legally bind the manufacturer. This should be included by the bidder in it's bid.

This Letter /form is required to be provided by Importer and Authorized Distributor.

**Annexure-XV: Format for EMD Bank Guarantee**

To be submitted in original at MMGPA office

B.G. No. Dated:

1. In consideration of you, Maharashtra Medical Goods Procurement Authority, having its office at 1<sup>st</sup> Floor, Arogya Bhawan St. George's Hospital Compound, Near C.S.M.T. Railway Station, Mumbai - 400 001 Maharashtra (hereinafter referred to as the "Authority", which expression shall unless it be repugnant to the subject or context thereof include its, successors and assigns) having agreed to receive the bid of .....(mention nature of entity and acts under which it is registered) and having its registered office at ..... (hereinafter referred to as the "Bidder" which expression shall unless it be repugnant to the subject or context thereof include its/their executors, administrators, successors and assigns), for the **Supply, Installation and Commissioning of Equipments for District Hospital** (hereinafter referred to as "the Project") pursuant to the RFP Document dated ..... issued in respect of the Project and other related documents (hereinafter collectively referred to as "Bidding Documents"), we (Name of the Bank) having our registered office at ..... and one of its branches at ..... (Hereinafter referred to as the "Bank"), at the request of the Bidder, do hereby irrevocably, unconditionally and without reservation guarantee the due and faithful fulfilment and compliance of the terms and conditions of the Bidding Documents (including the RFP Document) by the said Bidder and unconditionally and irrevocably undertake to pay forthwith to the Authority an amount of Rs. .... (Rupees ..... only) as bid security (hereinafter referred to as the "Guarantee") as our primary obligation without any demur, reservation, recourse, contest or protest and without reference to the Bidder if the Bidder shall fail to fulfil or comply with all or any of the terms and conditions contained in the said Bidding Documents.
2. Any such written demand made by the Authority stating that the Bidder is in default of the due and faithful fulfilment and compliance with the terms and conditions contained in the Bidding Documents shall be final, conclusive and binding on the Bank.
3. We, the Bank, do hereby unconditionally undertake to pay the amounts due and payable under this Guarantee without any demur, reservation, recourse, contest or protest and without any reference to the Bidder or any other person and irrespective of whether the claim of the Authority is disputed by the Bidder or not, merely on the first demand from the Authority stating that the amount claimed is due to the Authority by reason of failure of the Bidder to fulfil and comply with the terms and conditions contained in the Bidding Documents including failure of the said Bidder to keep its Bid open during the Bid validity period as set forth in the said Bidding Documents for any reason whatsoever. Any such demand made on the Bank shall be conclusive as regards amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees ..... only).
4. This Guarantee shall be irrevocable and remain in full force for a period of 240 (two hundred and forty ) days from the Bid Due Date inclusive of a claim period of 60 (sixty) days or for such extended period as may be mutually agreed between the Authority and the Bidder, and agreed to by the Bank, and shall continue to be enforceable till all amounts under this Guarantee have been paid.

5. We, the Bank, further agree that the Authority shall be the sole judge to decide as to whether the Bidder is in default of due and faithful fulfilment and compliance with the terms and conditions contained in the Bidding Documents including, *inter alia*, the failure of the Bidder to keep its Bid open during the Bid validity period set forth in the said Bidding Documents, and the decision of the Authority that the Bidder is in default as aforesaid shall be final and binding on us, notwithstanding any differences between the Authority and the Bidder or any dispute pending before any Court, Tribunal, Arbitrator or any other authority.
6. The Guarantee shall not be affected by any change in the constitution or winding up of the Bidder or the Bank or any absorption, merger or amalgamation of the Bidder or the Bank with any other person.
7. In order to give full effect to this Guarantee, the Authority shall be entitled to treat the Bank as the principal debtor. The Authority shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee from time to time to vary any of the terms and conditions contained in the said Bidding Documents or to extend time for submission of the Bids or the Bid validity period or the period for conveying acceptance of Letter of Award by the Bidder or the period for fulfilment and compliance with all or any of the terms and conditions contained in the said Bidding Documents by the said Bidder or to postpone for any time and from time to time any of the powers exercisable by it against the said Bidder and either to enforce or forbear from enforcing any of the terms and conditions contained in the said Bidding Documents or the securities available to the Authority, and the Bank shall not be released from its liability under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the said Bidder or any other forbearance, act or omission on the part of the Authority or any indulgence by the Authority to the said Bidder or by any change in the constitution of the Authority or its absorption, merger or amalgamation with any other person or any other matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of releasing the Bank from its such liability.
8. Any notice by way of request, demand or otherwise hereunder shall be sufficiently given or made if addressed to the Bank and sent by courier or by registered mail to the Bank at the address set forth herein.
9. We undertake to make the payment on receipt of your notice of claim on us addressed to [name of Bank along with branch address] and delivered at our above branch which shall be deemed to have been duly authorised to receive the said notice of claim.
10. It shall not be necessary for the Authority to proceed against the said Bidder before proceeding against the Bank and the guarantee herein contained shall be enforceable against the Bank, notwithstanding any other security which the Authority may have obtained from the said Bidder or any other person and which shall, at the time when proceedings are taken against the Bank hereunder, be outstanding or unrealised.
11. We, the Bank, further undertake not to revoke this Guarantee during its currency except with the previous express consent of the Authority in writing.
12. The Bank declares that it has power to issue this Guarantee and discharge the obligations contemplated herein, the undersigned is duly authorised and has full power to execute this Guarantee for and on behalf of the Bank.

13. For the avoidance of doubt, the Bank's liability under this Guarantee shall be restricted to Rs. .... (Rupees ..... only). The Bank shall be liable to pay the said amount or any part thereof only if the Authority serves a written claim on the Bank in accordance with paragraph 9 hereof, on or before [..... (Indicate date falling 240 days after the Bid Due Date)].

Signed and delivered by ..... Bank

By the hand of Mr./Ms ....., its ..... and authorised official.

(Signature of the Authorised Signatory)  
(Official Seal)

MMGPA TENDER

## Annexure-XVI: Format for Performance Security Bank Guarantee

To,  
The Chief Executive Officer  
Maharashtra Medical Goods Procurement Authority  
1<sup>st</sup> Floor, Arogya Bhawan  
P.D'Mello Road, Mumbai- 400001

Dear Sir,

Whereas you intent to enter into a contract, as per your Letter of Intent, Reference No. \_\_\_\_\_ dated \_\_\_\_\_( Hereinafter referred to as "the contract") with M/s \_\_\_\_\_ as vendor for the supply of \_\_\_\_\_ defined in contracts schedule, (hereinafter referred to as "the goods / services") and whereas the vendor has undertaken to produce a performance cum warranty bond for amount of Rs \_\_\_\_\_ being equal to 3% of the total contract value of the goods / services to be delivered as specified contract No \_\_\_\_\_ dated \_\_\_\_\_ referred to as "contract to secure its obligations to the beneficiary with respect to the goods specified in the invoice.

1. We \_\_\_\_\_ (Name of the Bank), hereby expressly, irrevocably, and unreservedly undertake and guarantee as principal obligators on behalf of the Seller that in the event that the beneficiary submits a written demand to us stating that the Seller has not performed according to the terms and conditions of the contract, we will pay you on demand and without demur any sum up to a maximum amount of (3% of the contract value). Any claims must bear the confirmation of your bankers that the signatures thereon are authentic. Your written demand shall be conclusive evidence to us that such written demand. For the avoidance of doubt any documents received by way of facsimile or similar electronic means is/are not acceptable for any purpose(s) under this guarantee.

2. We shall not be discharged or released from this undertaking and guarantee by any arrangements, variations made between beneficiary and the seller or any forbearance whether as to payment, time performance or otherwise.

3. In no case shall the amount of the guarantee be increased.

4. Unless a demand under this guarantee is received by us in writing on or before the expiry dates (unless this guarantee is extended by the seller), all your rights under this guarantee shall be forfeited and we shall be discharged from the liabilities hereunder.

5. This guarantee shall be a continuing guarantee (which means guarantee will also be valid if the bank is in under liquidation or bankruptcy) and shall not be discharged by any change in the constitution of the bank or in the constitution of the Seller.

6. Please return this letter of guarantee immediately after our liability thereafter has ceased to be valid.

7. Our liability under this guarantee will cease to be valid even if the guarantee deed is not returned to us.

8. This guarantee is personal to the beneficiary and not assignable to a third party without our prior written consent.

9. This guarantee shall be governed by Indian Law. This guarantee is valid until (Insert date in dd/mm/yyyy)

Signature and Seal of Guarantors \_\_\_\_\_

Date \_\_\_\_\_

Address: \_\_\_\_\_

(Signature of Bidder)

(Seal of company)

## Appendix II: Commercial Proposal Templates

### I. General

The Bidders are expected to respond to the RFP using the forms given in this section for Commercial Proposal (Envelop - 2).

Annexure XVII: Letter comprising the Commercial Bid

#### Annexure XVII: PART I

Letter comprising the Commercial Bid

**PRICE BID FOR THE CURRENT TENDER) (To be kept in Envelope No. 2)**

Item Description	Unit	Qty	Ex-factory cost per unit (In Rs.)	GST applicable for Govt. Supply (In Rs.)	Other incidental charges (Please specify) (In Rs.)	Total landed cost per unit (4+5+6) (In Rs.)	Total Cost Rs. (3x7)
1	2	3	4	5	6	7	8
Deep Freezer 80 celsius	Nos.	1					
Centrifuge Machine	Nos.	4					
Hot Air Oven	Nos.	2					
Incubator	Nos.	2					
Deep Freezer -18c for Plasma	Nos.	1					
5 Part Cell Counter Machine	Nos.	2					
Fully Automated Bio Chemistry Analyzer	Nos.	1					
USG Machine	Nos.	2					
3 Part Cell Counter Machine	Nos.	1					
Binocular Microscope	Nos.	3					
Cervical Cancer Screenig Device	Nos.	2					
Coagulation Analyser	Nos.	1					
Elisa Raeder with washer	Nos.	1					
Vertical Autoclave	Nos.	1					
Semi Auto Aanalyser Bio Chemistry Machine	Nos.	1					
Ventilator - Neonatal , Paedtric, Adult	Nos.	10					
Blood Storage Refrigerator 250 Ltr	Nos.	4					

USG Machine with Colour Doppler & ECO Facility	Nos	2					
---	-----	---	--	--	--	--	--

Total tender price (in words ..... )

The price should be quoted only in Indian currency Note:

**In case of discrepancy between unit price and total price, the unit price shall prevail.** Only total landed cost per unit considered for rate comparison (column No.7)

**L1 will be decided based on price entered in <https://mahatenders.gov.in> site.**

Signature of the  
Tenderer  
Name  
Designation  
Business address

**To be uploaded in the form of Excel**

MMGPA TENDER

**Annexure XVII: PART II**

(Statement showing comparative prices offered by the tenderer in other tenders of the same product)  
**ONLY FOR ADDITIONAL INFORMATION AS TO RATES OFFERD BY THE TENDERER IN  
VARIOUS OTHER TENDERS.**

Please mention quoted rates of above item of different years for All equipments

<b>Sr. No.</b>	<b>Financial Year</b>	<b>Unit</b>	<b>Unit Price offered in other Bids/ Tenders/Rate contracts (in Rs.)</b>
1.	2022-23		
2.	2023-24		
3.	2024-25		

Additional rows for information of other years can be inserted.

**Signature**

**Seal**

### Annexure-XVIII Checklist

#### 1. Make and Model with country of origin

Sr. No.	Equipment Name	Make	Model	Country of Origin
1	Deep Freezer 80 celsius			
2	Centrifuge Machine			
3	Hot Air Oven			
4	Incubator			
5	Deep Freezer -18c for Plasma			
6	5 Part Cell Counter Machine			
7	Fully Automated Bio Chemistry Analyzer			
8	USG Machine			
9	3 Part Cell Counter Machine			
10	Binocular Microscope			
11	Cervical Cancer Screenig Device			
12	Coagulation Analyser			
13	Elisa Raeder with washer			
14	Vertical Autoclave			
15	Semi Auto Aanalyser Bio Chemistry Machine			
16	Ventilator - Neonatal , Paedtric, Adult			
17	Blood Storage Refrigerator 250 Ltr			
18	USG Machine with Colour Doppler & ECO Facility			

#### 2. Documents Checklist

Sr. No.	Documents	Submitted	Not Submitted
1	Tender Fees		
2	EMD		
3	Legal Entity Document		
4	Manufacturer/Importer/Authorized Distributor		
5	Manufacturer's Authorization (Annexure XIV)		
6	Manufacturing License		
7	DPIIT (Foreign Border)		
8	Product used in country of origin		
9	Import Export Certificate for imported equipments		
10	Affidavit of import for last three years imported equipments		
11	Letter comprising Technical Bid (Annexure 1)		
12	Pre-qualification compliance (Annexure II)		
13	Proforma for Production and sale Statement (Annexure III)		
14	Annual Turnover and positive net worth Certificate (Annexure IV)		
15	Supply orders in past 3 years (Govt/State/Pvt)		
16	Details of Manufacturing Unit (Annexure V)		
17	Production capacity		
18	Non-Blacklisting affidavit (Annexure VII)		

19	Mandate Form (Annexure VIII)		
20	Power of Attorney (Annexure IX)		
21	Technical Specifications (Annexure X)		
22	Technical Compliance (Annexure XI)		
23	Brochure / Product Literature		
24	Delivery Place Acknowledgement (Annexure XII)		
25	Self-Declaration Affidavit (Annexure XIII)		
26	Two Service Centres in Maharashtra		
27	GST Registration		
28	PAN		
29	MSME Certificate		
30	EM II for medium Enterprises		
31	BIS/CE/USFDA certificate		
32	CDSCO		
33	ISO 13485		
34	Installation Prerequisites		