

MAHARASHTRA MEDICAL GOODS **PROCUREMENT AUTHORITY**

**Request for Proposal (RFP) for Supply, Installation and
Commissioning of Equipments for Lab Upgradation**

**RFP Reference No: E- 281 /MMGPA/ Equipments for Lab
Upgradation**

(2026-27)

Date: 21/05/2026

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

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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.

MMGPA TENDER

Abbreviations and Glossary

Abbreviations and Acronyms	Description
BG	Bank Guarantee
BOM/BOQ	Bill Of Material/Quantity
CA	CHARTERED ACCOUNTANT
CAMC	Comprehensive Annual Maintenance Contract
CBS	Cost Based Selection
CMC	Comprehensive Maintenance Contract
CRC	Consignee Receipt certificate
DPIIT	Department for Promotion of Industry and Internal Trade
EMD	Earnest Money Deposit
EM-II	Entrepreneurs Memorandum
FEMA	Foreign Exchange Management Act
GST	Goods and Services Tax
IA	Implementation Agency
IP	Intellectual Property
IQ	Installation Qualification,
ISO	International Organization of Standardization
KPI	Key Performing Indicators
LLP	Limited Liability Partnership
MMGPA	Maharashtra Medical Goods Procurement Authority
MSME	Ministry of Micro, Small & Medium Enterprises
NEFT	National Electronic Funds Transfer
O&M	Operation and Maintenance
OEM	Original Equipment Manufacturer

OP	Operational Qualification
PAN	Permanent Account Number
PO	Purchase Order
PQ	Performance Qualification
RFP	Request For Proposal
RTGS	Real Time Gross Settlement
SSI	Small-scale industries
TCV	Total Contract Value

BID NOTICE

Tender reference No: E- 281/MMGPA/ Equipments for Lab Upgradation (2026-27)

Maharashtra Medical Goods Procurement Authority (hereinafter referred to as “Authority”), Mumbai invites **ONLINE BID** for the year **2026-27** 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	High END Equipments ICP – MS (With Accessories and suitable computer and power backup, CRM, Total Installation Arrangement, Central Cooling System and 5 Yr. CMC)	1	42000+7560 (GST @18%)	8,85,000/-	35 Public Health Labs
2	Flame Photometer	6			
3	Digital Butyro Refractometer	10			
4	Homogenizer	3			
5	Fume Hood	10			

6	Flashpoint Apparatus	13			
7	Hot Air Oven (Upto 300 degree celsius)	14			
8	Muffle Furnace	10			
9	UV Cabinet with long & Short-wave UV Lamps	10			
10	Multifunction Shaker	01	42000+7560 (GST @18%)	8,85,000/-	35 Public Health Labs
11	Soxhlet Extraction Unit (Closed Unit)	08			
12	Deep Freezer 500 Lit	10			
13	Electronic Colony Counter (Imported)	10			
14	Membrane Filtration Apparatus	10			
15	Stomacher	3			
16	Refrigerated Centrifuge Machine	3			
17	Probe Sonicator	3			
18	Vortex Mixer	4			
19	Autoclave Vertical	10			
20	Split Air Conditioner (1.5 ton) for instrument Section	10			

21	Seriological Water bath digital temp	20			
22	Kjeldahl Digestion & Distillation Unit	6			
23	Elisa Reader & Washer	4			
24	Turbidity Meter	15			
25	Refrigerator 600 ml	15			
26	Refrigerator 200 ml	25			
27	Dean & Stark Apparatus	10	42000+7560 (GST @18%)	8,85,000/-	35 Public Health Labs
28	Volatile Oil Apparatus	10			
29	SO2 Apparatus (Modified Monier Williams)	10			
30	R M Value Assembly as per IS 548 Part – I (with 3 nos R M Value Flask)	10			

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.

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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 21.05.2026 at 06.55PM
2.	Date for Submission of Queries	Before Pre-bid meeting
3.	Date of pre-bid meeting	29.05.2026 at 04.00 PM
4.	Dates for uploading tender document	From 21.05.2026 at 06.55pm to 11.06.2026 up to 02.00 pm
5.	Last date and time for submission of tender:	11.06.2026 at 2.00 pm
6.	Date and time of opening of Envelope No.1	12.06.2026 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
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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**

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 https://mahatenders.gov.in .
Earnest Money Deposit (EMD)	Bidders are required to pay the EMD/Bid Security of ₹ 8,85,000 /- throughonline mode on https://mahatenders.gov.in or in the form of Bank Guarantee issued by a Scheduled / Nationalized Bank in the form provided in Annexure XVII
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 29.05.2022 at 04:00 pm 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	180 days from the date of Technical Bids opening
Submission of Responses	Bidders must upload and submit all the documents on the Mahatender portal https://mahatenders.gov.in <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 29.05.2022 04:00PM will not be accepted bythe e-Tender portal.
Tender Fee	All bidders shall pay tender fee of ₹42,000+7560 (GST @18%) In case of revision of the above-mentioned tender fee, bidders shall pay revised tender fee.

1. 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 /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.

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2. Eligibility criteria

Eligibility criteria for this bid are mentioned:

Sr. No.	Basic Requirement	Specific Requirement	Documents required
1.	Registered Legal Entity	The Bidder shall be any person/Company/Society/Proprietorship/ Partnership firm/Trust registered under applicable Act in India/ Government-owned enterprise or institution The Bidder shall be – a) A manufacturer having valid manufacturing and equipment license for the items quoted. OR b) An Importer* having valid import license and equipment license for the items quoted. OR c) Authorized Distributor fulfilling all tender conditions. d) Separate Manufacturer's Authorization will be required for each equipment. e) Registered with the GST Authorities. f) Should have a valid PAN number. <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> <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>	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. 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 & Performance certificate should be enclosed. c. Manufacturer's Authorization as per Annexure XIV to be provided by Importer, Authorized distributor d. Copy of GST Registration certificate issued by GSTN authorities. e. Copy of PAN Card.

Sr. No.	Basic Requirement	Specific Requirement	Documents required
2.	Certifications/ registration	The Bidder shall have to provide requisite certifications/registration.	a. Certificates of DPIIT (if applicable) b. Original manufacturer's certificate that the product is being used in country of origin. c. Import Export Certificate (IEC Code) d. Affidavit of Importer regarding equipment being imported in India for last three years.
3.	Litigation	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.	EMD/Bid Security	Bidders are required to pay the EMD/Bid Security of ₹8,85,000 /- through online mode on https://mahatenders.gov.in or in the form of BG as per annexure XV	• EMD in the form of NEFT/RTGS/BG
5.	EMD Exemption	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.	a. Requisite Certificate of Micro and Small-scale manufacturing industries registered under Micro, Small and Medium Enterprises development act 2006. b. Importer shall produce authorization Certificate from manufacturer as authorized seller as per Annexure XIV c. EM-II certificates whenever necessary (mandatory for Medium Enterprises)
6.	Conflict of Interest	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.	Blacklisting or banned	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	Affidavit as per Annexure VII

Sr. No.	Basic Requirement	Specific Requirement	Documents required
		bodies (established by Central/State govt), any Central/State PSUs for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices.	
8.	Debarment	On the date of submission of the proposal, the Bidder should not be debarred	Affidavit as per Annexure VII.
9.	Average Annual Turnover	Average Annual Turnover (in last three financial years (2023-24, 2024-25, 2025-26) shall be at least Rs. 7 Cr.	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.	Net Worth	The net worth of the bidder in the financial year (2025-26) should be positive.	Certificate issued by a statutory auditor/chartered accountant (as attached Annexure-IV).
11.	Technical Capability	Bidder must have successfully undertaken supply, installation & commissioning of quoted Equipment or Medical Equipment & Instruments of an amount of Rs 7 Cr. 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)
12.	Production Capacity	Production Capacity of the Original /Equipment Manufacturer must be	Certificate of Statutory Auditor/Chartered Accountant

Sr. No.	Basic Requirement	Specific Requirement	Documents required
	Import Quantity	minimum 2 (Two) times of the quoted order quantity in last one financial year.	For importers and Authorized distributors Certificate of Statutory Auditor/Chartered Accountant of OEM has to be submitted in Annexure III
13.	Service center	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.

3. 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:

- they have controlling partner (s) in common; or
- they receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- they have the same legal representative/agent for purposes of this bid; or
- 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.

4. 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.

5. Corrigendum

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

6. 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.mmmpa2023@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.

7. Amendment of bid document

- 7.1. At any time prior to the deadline for Sale of bid, the Authority may amend the bid documents by issuing Addendum/Corrigendum.
- 7.2. 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>).
- 7.3. 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.
- 7.4. 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.

8. 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.

8.1. 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:

- 8.1.1.** The instruments such as power of attorney, resolution of board etc. authorizing an officer of the bidder for signing the bid document.
- 8.1.2.** Authorization letter nominating a responsible person of the bidder to attend the meetings like pre bid & negotiation meeting.
- 8.1.3.** 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.
- 8.1.4.** Proof of Tender Fee/ EMD paid (if exempted appropriate copies for same)/ BG for EMD as per Annexure XVII.
- 8.1.5.** 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. (2023-24, 2024-25, 2025-26) 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.

8.2. 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.

9. Deadline for submission of bid

As per schedule mentioned in bid notice.

10. Opening of Bid

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

10.1. 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.

10.2. 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.

11. Period of Validity of Bid

- 11.1.** The bid shall remain valid for a period of 180 days after the date of opening of the technical bid (Envelope No.1)
- 11.2.** 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.

12. Earnest Money Deposit:

- 12.1.** All bids must be accompanied by Earnest Money Deposit (EMD – Online)
- 12.2.** EMD should be in favor of “Maharashtra Medical Goods Procurement Authority, Mumbai”.
- 12.3.** 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
- 12.4.** Bids that do not include the Earnest Money Deposit (EMD), unless exempted as per the RFP terms, will be promptly rejected.
- 12.5.** Unsuccessful bidder's EMD will be discharged/ returned after award of contract to the Selected bidder.
- 12.6.** The bidder shall not be entitled for any interest on EMD.
- 12.7.** The Selected bidder's EMD will be discharged after signing the Contract and submitting the Performance Security Deposit as stipulated.
- 12.8.** The EMD shall be forfeited or if bidder is exempted from EMD, the bidder may be debarred/ blacklisted under the following conditions.
 - 12.8.1.** Bidder fails to accept the purchase order.
 - 12.8.2.** If a bidder withdraws its tender at any stage during the bidding process.
 - 12.8.3.** 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 clause15

13. Prices

- 13.1. 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.
- 13.2. 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.
- 13.3. **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.
- 13.4. 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.
- 13.5. **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.

14. Technical Specifications:

- 14.1. 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.
- 14.2. The bidder shall carefully read & understand the specifications mentioned in **Annexure X**.

15. Evaluation of bids:

- 15.1.** 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.
- 15.2.** The Authority shall scrutinize the documents mentioned above for its eligibility, validity, applicability, compliance, and substantiation including post qualification criteria as per bid document.
- 15.3.** The Authority shall also analyze that there is no collusive or fraudulent practice involved in the entire tendering process amongst all the tenders received.
- 15.4.** The technical scrutiny shall be on the basis of submitted substantiation documents and Medical Device Rules 2017 including allied standards of BIS codes.
- 15.5.** 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
- 15.6.** 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.
- 15.7.** 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.
- 15.8.** Authority can call for original documents for verification and any other supporting documents.

16. Technical Qualification Criteria

- 16.1.** Bidders who meet the pre-qualifications/eligibility requirements would be considered as qualified to move to the next stage of Technical and Financial evaluations.
- 16.2.** 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.

16.3. 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)

16.4. 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

16.5. Commercial Bid Evaluation

16.5.1. The Financial Bids of technically qualified Bidders will be opened on the prescribed date in the presence of Bidder representatives, who wish to attend.

16.5.2. 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.

16.5.3. Only fixed price financial bids indicating total prices for all the deliverables and services specified in this bid document will be considered.

16.5.4. The bid price will include all taxes and levies and shall be in Indian Rupees.

16.5.5. Any conditional bid would be rejected.

16.5.6. 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"

16.6. Final Selection

16.6.1. 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.

16.6.2. 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.

17. Performance Security Deposit & Contract

- 17.1.** 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.
- 17.2.** 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**.
- 17.3.** 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.
- 17.4.** 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.
- 17.5.** 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.
- 17.6.** 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.

18. Proprietary data and Patent Rights

- 18.1.** 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.
- 18.2.** 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.

19. Award of Contract

- 19.1.** 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).
- 19.2.** The Authority will place supply orders on staggered basis if required during the contract period.
- 19.3.** 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.
- 19.4.** The Selected Bidder who is liable for award of contract should transfer the Performance Security as per Clause 15 of this RFP.
- 19.5.** The Selected Bidder shall sign the Contract within a period of 15 (fifteen) days of issue of award of Contract.

20. 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.

21. 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 Annexure XII.	Within 60 days for goods manufactured in India and 90 days for Imported goods from the issue of the PO

Sl. No.	Deliverable	Location for Delivery	Timelines
			(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.

22. Delivery Period

Sr. No.	Item	Units	Period
1	High END Equipments ICP – MS (With Accessories and suitable computer and power backup, CRM, Total Installation Arrangement, Central Cooling System and 5 Yr. CMC)	1	Within 60 days for goods manufactured in India and 90 days for Imported goods from the issue of the PO (Purchase Order).
2	Flame Photometer	6	
3	Digital Butyro Refractometer	10	
4	Homogenizer	3	
5	Fume Hood	10	
6	Flashpoint Apparatus	13	
7	Hot Air Oven (Upto 300 degree celsius)	14	

8	Muffle Furnace	10
9	UV Cabinet with long & Short-wave UV Lamps	10
10	Multifunction Shaker	01
11	Soxhlet Extraction Unit (Closed Unit)	08
12	Deep Freezer 500 Lit	10
13	Electronic Colony Counter (Imported)	10
14	Membrane Filtration Apparatus	10
15	Stomacher	3
16	Refrigerated Centrifuge Machine	3
17	Probe Sonicator	3
18	Vortex Mixer	4
19	Autoclave Vertical	10
20	Split Air Conditioner (1.5 ton) for instrument Section	10
21	Seriological Water bath digital temp	20
22	Kjeldahl Digestion & Distillation Unit	6
23	Elisa Reader & Washer	4
24	Turbidity Meter	15
25	Refrigerator 600 ml	15
26	Refrigerator 200 ml	25
27	Dean & Stark Apparatus	10

Within 60 days for goods manufactured in India and 90 days for Imported goods from the issue of the PO (Purchase Order).

28	Volatile Oil Apparatus	10	
29	SO2 Apparatus (Modified Monier Williams)	10	
30	R M Value Assembly as per IS 548 Part – I (with 3 nos R M Value Flask)	10	

23. 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**

23.1. 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.

23.2. 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.

24. 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.

25. 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.”
- e) as per calculation given below: -.
- f) 1 Year = 365 days
- g) 95% of 365 days = 347 Days per annum
- h) 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.
- i) 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.
- j) 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.
- k) 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.
- l) 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.

26. 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: -.
- f) 1 Year = 365 days
- g) 95% of 365 days = 347 Days per annum
- h) 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.
- i) 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.
- j) 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.
- k) 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.

- l) 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.

27. 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
- f) completion of said period, on receipt of service report/ break down report from the user.
- g) The Bidder shall also have to submit whether periodic replacements of consumable items are required for
- h) proper functioning of their quoted machine/Equipment? If yes, they should submit the list of such
- i) consumables along with price list and frequency of replacement per year if the same is not included in quoted
- j) Comprehensive Annual Maintenance Contract charges per year.
- k) 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).
- l) 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 goods manufactured in India and 90 days for Imported goods from the issue of the PO (Purchase Order).	1/2% per week delay and thereof of the Purchase Order value, maximum up to 5% value of the 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 Selected Bidder 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

Sr. No.	SLA Description	Resolution Target	Liquidated Damage (LD)
7.	Comprehensive Annual Maintenance Contract: - 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

28. Demonstration

- a. 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.
- b. Consumables should submit in 3 samples.
- c. 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.

- d. 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 to General Manager (Technical), MMGPA on office mail I.D. on the same day.

29. 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.

30. Consequences of default by Bidder

- 30.1. **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.
- 30.2. **Consequences of inferior substandard/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.

- 30.3. 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.
- 30.4. 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.
- 30.5. 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.
- 30.6.** 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.
- 30.7.** 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.

31. Third Party Inspection

- 31.1.** 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.

32. 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?

33. Force Majeure

- 33.1.** 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 wish with the concurrence of the purchaser elect to retain.

34. Confidentiality

- 34.1.** 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
- 34.2.** other persons not officially concerned with such process until the notification of Contract award is made.
- 34.3.** 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.

35. Payment

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

Payment of 80% 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.

36. Corrupt or Fraudulent Practices

- 36.1.** The Authority as well as bidders shall observe the highest standard of ethics during the procurement and execution of such contracts.
- 36.2.** “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.

- 36.3.** 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.
- 36.4.** “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.
- 36.5.** “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.
- 36.6.** 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.

37. Resolution Of Dispute

- 37.1.** 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.

38. Arbitration

- 38.1.** 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.
- 38.2.** 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.

39. Governing Language

- 39.1.** English language version of the contract shall govern its Interpretation.

40. Applicable laws:

- 40.1.** 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.

41. Indemnification

- 41.1.** 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.

42. Jurisdiction:

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

43. Saving clause:

- 43.1.** 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.	Registered Legal Entity	The Bidder shall be any person/Company/ Society/Proprietorship/ Partnership firm/Trust registered under applicable Act in India/ Government-owned enterprise or institution The Bidder shall be – a) A manufacturer having valid manufacturing and equipment license for the items quoted. OR b) An Importer* having valid import license and equipment license for the items quoted. OR c) Authorized Distributor fulfilling all tender conditions. d) Separate Manufacturer's Authorization will be required for each equipment. e) Registered with the GST Authorities. f) Should have a valid PAN number. <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> <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>	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. 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 & Performance certificate should be enclosed. c. Manufacturer's Authorization as per Annexure XIV to be provided by Importer, Authorized distributor d. Copy of GST Registration certificate issued by GSTN authorities. In case of e. Copy of PAN Card.
2.	Certifications/ registration	The Bidder shall have to provide requisite certifications/registration.	a. Certificates of DPIIT (if applicable) b. Original manufacturer's certificate that the product is being used in country of origin. c. Import Export Certificate (IEC Code) d. Affidavit of Importer regarding equipment being imported in

Sr. No.	Basic Requirement	Specific Requirement	Documents required
			India for last three years.
3.	Litigation	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.	EMD/Bid Security	Bidders are required to pay the EMD/Bid Security of ₹ 8,85,000/- through online mode on https://mahatenders.gov.in or in the form of BG as per annexure XV	• EMD in the form of NEFT/RTGS/BG
5.	EMD Exemption	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.	• Requisite Certificate of Micro and Small-scale manufacturing industries registered under Micro, Small and Medium Enterprises development act 2006. • Importer shall produce authorization Certificate from manufacturer as authorized seller as per Annexure XIV • EM-II certificates whenever necessary (mandatory for Medium Enterprises)
6.	Conflict of Interest	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.	Blacklisting or banned	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 Annexure VII
8.	Debarment	On the date of submission of the proposal, the Bidder should not be debarred	Affidavit as per Annexure VII.
9.	Average Annual Turnover	Average Annual Turnover (in last three financial years (2023-24, 2024-25, 2025-26) shall be at least Rs 7 Cr.	Certificate issued by a statutory auditor/chartered accountant (as attached

Sr. No.	Basic Requirement	Specific Requirement	Documents required
			Annexure-IV) along with Audited Financial Statements confirming the Average Annual Turnover of the Bidder during the stated Financial Years must be submitted.
10.	Net Worth	The net worth of the bidder in the financial year (2025-2026) should be positive .	Certificate issued by a statutory auditor/chartered accountant (as attached Annexure-IV).
11.	Technical Capability	Bidder must have successfully undertaken supply, installation & commissioning of quoted Equipment or Medical Equipment & Instruments of an amount of Rs 7 Cr. during last three financial years (2023-24, 2024-25, 2025-26)	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.	Production Capacity Import Quantity	Production Capacity of the Original /Equipment Manufacturer must be minimum 2 (Two) 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.	Service center	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

Sr. No.	Basic Requirement	Specific Requirement	Documents required
			shall have at least 2 service centers for the period of warranty as mentioned and also, during the additional CMC/AMC period, if awarded.

MMGPA TENDER

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	2023-24									
2	2024-25									
3	2025-26									

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.

Sr. No.	Year	Turnover (In Rs.)	Positive Net worth (Yes/ No)
1	2023-24		
2	2024-25		
3	2025-26		
4	Average Annual Turnover of above 3 years		

This is to certify that the Net worth of (*name of Bidder*) is Positive for last 3 (three) Financial Years i.e., (2023-24, 2024-25, 2025-26) 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]

MMGPA TENDER

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	High END Equipments ICP – MS (With Accessories and suitable computer and power backup, CRM, Total Installation Arrangement, Central Cooling System and 5 Yr. CMC)			
2	Flame Photometer			

3	Digital Butyro Refractometer			
4	Homogenizer			
5	Fume Hood			
6	Flashpoint Apparatus			
7	Hot Air Oven (Upto 300 degree celsius)			
8	Muffle Furnace			
9	UV Cabinet with long & Short-wave UV Lamps			
10	Multifunction Shaker			
11	Soxhlet Extraction Unit (Closed Unit)			
12	Deep Freezer 500 Lit			
13	Electronic Colony Counter (Imported)			
14	Membrane Filtration Apparatus			
15	Stomacher			
16	Refrigerated Centrifuge Machine			
17	Probe Sonicator			
18	Vortex Mixer			
19	Autoclave Vertical			
20	Split Air Conditioner (1.5 ton) for instrument Section			

21	Seriological Water bath digital temp			
22	Kjeldahl Digestion & Distillation Unit			
23	Elisa Reader & Washer			
24	Turbidity Meter			
25	Refrigerator 600 ml			
26	Refrigerator 200 ml			
27	Dean & Stark Apparatus			
28	Volatile Oil Apparatus			
29	SO2 Apparatus (Modified Monier Williams)			
30	R M Value Assembly as per IS 548 Part – I (with 3 nos R M Value Flask)			

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 are as under:

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

*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. 500/-

(Original copy To be submitted to this office)

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

Reference: Tender No. E- 281 /MMGPA/ Equipments for Lab Upgradation

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:

(Name of the person signing & designation)

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

Inductively Coupled Plasma-Mass Spectrometer (With Accessories and suitable computer and power backup, CRM, Total Installation Arrangement, Central Cooling System and 5 Yr. CMC)	
Specifications	Requirement
A. Inductively Coupled Plasma - Mass Spectrometer	• Latest and Advanced technology bench-top ICP-MS with cell collision & reaction cell technologies. The system should be complete in all respects with built in features of hardware and software. • Analysis of trace metals to ppb/ppt. level in diverse kind of samples like food, sea food, water etc. • Capable of analyzing all the metals precisely and accurately in ppm, ppb, ppt levels. • The system should be a space saving, compact bench-top model that can fit in to allocated lab space with all the sub-systems and accessories. • All stainless steel, corrosion-resistant exteriors. • Open architecture design for sample introduction system for ease of operation in switching between GC/LC/IC.
Sample Introduction system	• Integrated computer controlled minimum 3-chanel peristaltic pump with 10/12 roller suitable arrangements. • Integrated Peltier Cooled Spray Chamber (Below 10 to 200C or better.) for effectively improving signal stability and reducing oxide interferences. • Concentric Micro-mist Nebulizer with low sample flow rate. • Quartz low volume Scott-type double pass spray or equivalent suitable for different sample environment. • System should have integrated and software controlled accessories for

	100 fold or • more dilutions capabilities to handle total dissolved solids (TDS). • Online internal standard kit to be offered along with splitter and tubing step. • High matrix introduction system (HMI): should be able to analyze samples with percentage level TDS. All necessary accessories required for running high matrix , high TDS samples should be included as standard supply.
Plasma and Torch Set-up	• RF power range: 600-1500W or better. • RF generator: 27/34 Mhz. • Easy mountable single piece quartz torch with shield torch. • Torch alignment: X, Y, Z automatic and computer controlled. • Provision for auto-alignment of the torch after routine maintenance with a reproducibility better than 0.1 mm in x-y-z directions. • Should have at least software controller variable 04 active mass flow controllers • (AMFC) to control plasma auxiliary make up, carrier gases and make up dilution gas.
Interface	• Cone Interface: ICPMS system must have Single interface to achieve all guaranteed performance specifications of ICP-MS instrument without any manual intervention or changeover for high matrixes, high sensitivity and high TDS samples. Platinum tipped cones (additionally 01 sets of platinum cones must be supplied). • Skimmer Cone: Ni or Pt tipped Skimmer cone. • Ion Lens: off-axis ion lens or suitable design to provide high ion transmission and low backgrounds to deliver superior detection limits, sensitivity and oxide ratio.

Collision Reaction Cell technologies	• System equipped with best in line technology: Capable of operating in Standard (No gas), Collision modes and Reaction mode (Pure or Premix gas form) should be able to remove polyatomic interferences as per all national and international regulations. • Fully automated and software-controlled changeover between No gas, Collision and Reaction mode without any manual intervention with dedicated MFC/EFC for collision and reaction Gas Cell gas must be automatically changed with switching time of 10- 15 sec or better • There should be Separate gas lines with dedicated MFC/EFC for Collision and Reaction gas as per system requirement
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Mass Analyzer and Detector	• A quadruple mass analyzer to provide effective ion transmission, superior resolution and abundance sensitivity, Quadruple based, 2.0 MHz or more • Mass Range: 5- 260 amu or better to analyze all elements. • Low Mass Side: $\leq 5 \times 10^{-7}$ • High Mass side: $\leq 1 \times 10^{-7}$ • True Linear Dynamic: 10 orders ≤ 0.3 cps to $\geq 10^9$ cps or better without any hardware interchange or software adjustment. • Dwell time: ≤ 3ms or better • Scan speed: ≥ 3000 amu/s or more
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Performance Specifications	Guaranteed/factory specifications will be considered and not the Typical performance. <u>Detection Limit ng/L (ppt)</u> • Low mass (Be^9/Li): ≤ 0.5 • Mid mass $\text{Y}/\text{In}/\text{Co}59 \leq 0.2$ • High Mass $\text{U}/\text{Ti}/\text{Bi} : \leq 0.2$ <u>(Sensitivity (M cps/mg/L)</u> • Low mass (Be^9 / Li) : ≥ 6 • Mid Mass In/Y: ≥ 100 • High Mass $\text{U}/\text{Ti}/\text{Bi} : \geq 80$ ➤ Oxide ratio : $\text{CeO}^+/\text{Ce}^+ < 2.0\%$; ➤ Isotope-ratio Precision: $\text{Ag}107/109$: 0.3% RSD ➤ Background noise (no gas mode) @4/9 amu or suitable: < 1 cps ➤ Mass resolution (5-260 amu): Variable ≤ 0.4 to ≤ 1 amu or better & should be definable in mass range 5-260 amu.
Detector	• The ion detector should be a discrete Dynode electron multiplier unit or equivalent. Detector should be able to analyze high and low concentration simultaneously. • It should have true Linear Dynamic range of 10 orders of magnitude. • Both the analog and pulse counting modes should be protected against overload. Integration time 100μs in both pulse count and analog modes as per system hardware requirement.
Vacuum system	• Should have rotary pump and turbo molecular pump with split flow for extremely high gas throughput. Vacuum should be 5×10^{-6} mbar or suitable range in open valve condition and shall be 1×10^{-6} mbar or suitable range in closed valve condition or suitable specifications as per system design requirement.

FLAME PHOTOMETER

Application: The flame photometer is used for qualitative and quantitative determination of several cations, especially for metals that are easily excited to higher energy levels at flame temperature. These metals include Na^+ , K^+ , Ca^{2+} , Ba^{2+} , and Li^{2+} .

Specification	Requirement
Measuring Range	Na^+ : 0 to 199.9 ppm K^+ : 0 to 199.9 ppm Ca^{2+} : 0-99.9 ppm Li^{2+} : 0 to 9.99 ppm
Sensitivity	Na^+ =0.1ppm K^+ =0.1 ppm
Specificity	less than 0.5% interference when concentrations are equal to test sample concentrations.
Gas Control	Adjustable with knobs
Ignition System	Auto Ignition System
Flame Failure	Auto detection
Gas Cut off	Automatic
Reproducibility	Less than 1% coefficient of variation for 20 consecutive samples using 10 ppm Na set as maximum standard.
Linearity	Less than 1%
Display	LED, 12.5mm (1/2")
Fuel supply	High-grade propane/butane mixture regulated at approximately 30 psi.
Air supply	6L/min at 12 psi; oil and moisture free.
Recorder	output 0.05 to 5 V (switchable)
Operating manuals, service manuals, other manuals	Should provide • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Calibration Standard	Must supply traceable standard solutions for Na^+ , K^+ and Ca^{2+}
Warranty	Warranted for 2 year, extendable up to 3 years, after satisfactory

	installation and working excluding consumable parts and accessories.
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction.
List of Spares and Accessories	List of all spares and accessories (including minor)with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached.
Stabilizer	Suitable Stabilizer as required for functioning of the equipment

Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Quality Certification: ISO certified. • Should provide calibration certificates from NABL accredited agency every year during warranty & CMC period. Calibration cost will have to be borne by the supplier. • Equipment should be FDA / CE certified or equivalent standard of repute. It should be ISO 9001:2000 or other equivalent • All calibration certificates must be from ISO 17025: 2017 certified laboratory
IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.
After sales service/ Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.

Compliance statement	The quote should also include a compliance statement vis- à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration.

DIGITAL BUTYRO REFRACTOMETER

Application: It is an automated small instrument used for measuring refractive index of animal and vegetable fats and oils.

Specification	Requirement
Function	Checking purity and adulteration of fats and oils.
Features	Automated Operating system with LCD/LED screen directly without manual alignment can connect PC with RS232interface; The required data to be displayed on the screen, including: the date, temperature, refractive index, concentration, and amended in accordance with the current temperature.
Measurement Range	Concentration 0-95% Refractive Index 1.3200—1.5500 or better
Automatic Temperature Control	Through Peltier
Concentration	0 - 80%
Resolution	Butyro 0.1% RI 0.0001
Measurement Accuracy	Butyro $\pm 0.5\%$ (at 40°C) RI ± 0.0003 (at 40°C)
Precision (Reproducibility)	Butyro ± 0.05 RI ± 0.0001
Measurement Temperature	10°C to 65°C or better
Temperature Accuracy	$\pm 0.1^\circ\text{C}$
Ambient Temperature Sample	10 to 40°C
Response Time	≤ 5 sec
Sample Volume	≤ 2 ml
Certified Reference Materials	Refractive Index Certified Reference Materials (CRMs) Certified reference material used for calibration and verification for refractive index at 25°C. (minimum volume 25 ml)

Operating manuals, service manuals, other manuals	Should provide • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Warranty	Warranty for 2-years, extendable by 3years, after satisfactory installation and working excluding consumable parts and accessories.
Service Support	Contact details of manufacturer, supplier and local service agent to be provided, including toll free/Landline Number; Any Contract(AMC/CMC/adhoc) to be declared by the manufacturer.

Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached.
UPS	UPS/Stabilizer as required for functioning of the equipment.
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010- 2- 40 for safety • Should have necessary certification for safety and quality standards from national/ international bodies • All Calibration certificate from ISO-17025: 2017 certified laboratory
IQ/PQ/OQ	Onsite IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.

Outage conditions	After two years of warranty period, 3 years of CAMC shall be undertaken by the supplier. This would also include: i. Preventive maintenance service: The seller will provide a minimum of two Preventive Maintenance Service visits during a year to the operating base to carry out functional checkups and minor adjustments/tuning as may be required. ii. Breakdown Maintenance Service: In case of any breakdown of the equipment/system, on receiving a call from the buyer, the seller is to provide maintenance service to make the equipment/system serviceable. iii. Response time: The response time of the seller should not exceed 48 hours from the time the breakdown intimation is provided by the Buyer. iv. Serviceability of 90% per year is to be ensured. This amounts to total maximum downtime of 37 days per year. Also unavailability should not exceed 2 working days at one time. Required spares to attain this serviceability may be stored at site by the seller at his own cost. Total down time would be calculated at the end of the year. If downtime exceeds permitted downtime 'Liquidated Damages' would be applicable for the delayed period.
	v. Maximum repair turnaround time for equipment/system would be 3 days. However, the spares should be maintained in a serviceable condition to avoid complete breakdown of the equipment/system.
Payment	Payment only after installation, validation and performance demonstration.

HOMOGENIZER	
Application: A homogenizer is used for the proper mixing and comminution of the food Sample to obtain in a homogenous mixture prior to analysis	
Specifications	Requirement
General	It should be macerating and homogenizing of a variety of high moisture, high-fat and fibrous samples such as meat, fish, fruit, vegetables, prepared foods frozen meals, etc. Should allow frozen food samples to be homogenised in short period of time, providing more.
Motor	Powerful 1500 rpm single phase motor
Bowl	It Should have 3.5 L or better, stainless steel bowl.
Sample capacity	0.1– 1.5 kg sample capacity for homogenization
Mode	Pulse mode for frozen food applications
Blades	Blades should be multi-purpose stainless steel micro teeth blades as per standard SS-316. Extra stainless-steel bowls and Smooth blade cutter should be provided (01 Set).
Safety	A magnetic safety switch should be available from being Operated without the transparent cover in the locked position.
Power supply	230V/50Hz, single phase within built/external protection for high/low voltage.
Documentation	Supplier should be provided IQ/OQ/PQ documents as per along With operator manual.
Operating manuals, service manuals, other manuals	Should provide:- • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed

Warranty	Warranted for 1-year, extendable up to 3 years, after Satisfactory installation and working excluding consumable parts and accessories.
Service Support	Contact details of manufacturer, supplier and local service agent to be provided, including toll free/Landline Number; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer
Training	The supplier will have to carry out successful Installation at the laboratory premises (wherever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
Voltage Stabilizer	Supplied with a suitable voltage stabilizer
Quality Requirement	• Product certification: CE / US FDA / BIS certified. Quality Certification: ISO certified. • Should provide calibration certificates from NABL accredited agency every year during warranty & CMC period. Calibration cost will have to be borne by the supplier. • Should be compliant with the requirements of FDA/CE/BIS • It should be ISO 9001:2000 or other equivalent • All calibration certificates must be from ISO 17025: 2017 certified laboratory
IQ/PQ/OQ	Onsite IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument
After sales service/ Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit

	Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration

FUME HOOD (Heavy Duty High Suction)	
Application: It is safety equipment used in all chemical laboratories to limit human exposure to hazardous or toxic fumes, vapors or dusts. Fume Hoods with floor mounted Systems are designed to meet the challenges when working with chemicals, chemical fumes and other flammable materials etc. with a high degree of efficiency.	
Specification	Requirement
Coupling	Direct
Balancing	Dynamically
Type of Filter	HEPA
Overall Dimensions/ Working Size	The system should have following Overall Dimensions: Overall Length of Fume Hood: 1500 -1550 mm Overall Width of Fume Hood: 750 - 1500 mm Overall Height of Fume Hood:1500–2500mm Length of Base Cabinet: 1000 – 1500 mm Height of Base Cabinet:700 -800mm
Body Features	• Double Wall Construction • Body thickness:10 mm (Min.) • Completely made from GI sheet with Highly corrosion resistant epoxy powder coating • Inner Chamber - Chemical & Heat Resistance, Fire retardant, smooth finish, easily cleanable, made out of durable PRL sheets of thickness 5 mm (Min.)/ SS 304 of 18- 20 gauge thickness. • Should be provided with Fume Hood installation Kit and Accessories • Should be provided with Safety Device Trip
Working Table Top	Granite / M.S Powder Coated Sheet Covered with P.P Sheet/ SS 304 Thickness of granite18 mm (Min.)
Utility connections	Should be provided with Utility Pipelines for Nitrogen, Compressed Air, Water
Outer Covering (MoC)	CRC, 18G, Epoxy Powder Coated

Exhaust Duct	- Chemically Resistant, PVC/PP duct pipe - Provided with bends, dampers, transitions and clamps up to blower - All joints should be curved in order to avoid any back - t racking of fumes and a smooth flow to exhaust fumes - Two exhaust ports connected to the fume hood exhaust system internally
Sink & Tap	Size: 100– 200 mm Shall made of chemically resistant material No leakage shall observe from Outlet Nipple Shall be provided with Single way/ Three-way swan neck tap

Baffle Arrangement:	Removable, Chemically Resistant PVC Back Baffle to capture and remove/ slide fumes instantly at faster speed Three-point suction system (for light, normal & heavy fumes) with baffle to ensure smooth and immediate removal exhaust of fumes.
Exhaust Blower & Motor	Motor: Centrifugal Type, Motor Blower: 1.0 HP motor (3 phase, 50 Hz, AC Supply) with phase MCB. Direct Driven, totally enclosed fan-cooled (TEFC), Squirrel Cage Induction Motor Chemical & heat resistance heavy-duty epoxy coated Min. 4 Watt
Scaffold/Grid	Should be provided to hold the chemicals and apparatus
Door/ Sash/ Shutter	Thickness – 4 mm (min.) Material-Toughened Glass Door vertical Folding Type with adjustable height
Air Flow	Low Constant Volume Exhaust Type Approx. 100 cubic meter/ hour
Noise Level	Not more than 65 dB
Face Velocity	0.5 m/s or 100 feet per minute
Shelves in Base Storage	Number– 2
Units/ Cabinets	Type–Movable (With or Without Wheels)
Illumination	Florescent Lights –2 nos.(Min.), 40Watt

Electrical Arrangements	Min.2 Nos.15/5 amps 3 pin electric socket Switch for blower; Switch for Lightings.
Power Requirement	220/ 230 Volts
Operating manuals, service manuals, other manuals	Should provide:- • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed
Warranty	Warranty for 2 years, extendable up to 3 years, after satisfactory installation and working excluding consumable parts and accessories.
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in Future after guarantee/warranty period should be attached
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Quality Certification: ISO certified. • Should provide calibration certificates from NABL accredited agency every year during warranty & CMC period. Calibration cost will have to be borne by the supplier. • Equipment should be FDA / CE certified or equivalent standard of repute. It should be ISO 9001:2000 or other equivalent • All calibration certificates must be from ISO17025:2017 certified laboratory

IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument
After sales service/Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit • Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any in-correct or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration

FLASH POINT APPARATUS (PENSKY-MARTENS)	
Application: Used to measure flash point of oils and fats by using Pensky-Martens Closed Cup method for determining the quality of oils and fats and contamination.	
Specification	Requirement
Design Ignition	Must be designed in strict accordance with the test method ASTM D93, Method A and B. Automatic movement of head for closing and opening of the cup. Microprocessor controlled unit with digital easy to read display of the results.
Ignition	Electric ignition and should also provide an automatic re-ignition facility. Electric Igniter should be encapsulated.
Detection	Thermal detection (with metal sample temperature probe) of the flash to eliminate interference from water or silicone containing compound.
Cooling	Facility for built-in cooling connection.
Measuring Range	Flashpoint Ambient to 350 °C or more
Heating System	Heat rate: 0.5 °C to 12 °C/min. Heating should be microprocessor controlled at the specified rate; the igniter is activated and dipped at precisely the correct temperature and frequency.
Temperature Measurement	Rugged metal and intelligent Pt 100 probe with built-in calibration, min 5 calibration points.
Temperature calibration	Resistance check box for temperature calibration with Calibration certificate from ISO17025/NABL accredited laboratory.
Sample Stirrer	Automatic stirrer: test method or user-defined from 0 rpm to 250 rpm or more
Barometric Pressure Sensor	Built-in sensor for automatic correction of flash-point for standard barometric pressure vis-à-vis with final result. Pressure units: Pa, kPa, bar, mbar, psi, mm Hg (Torr) etc.
User Interface	Touch screen, alphanumeric data input, bar code reader, HDMI
Safety device	Safety device for fire protection with alarm

Power Supply	AC 100 V to 240 V, 50/60 Hz
Number of LED indicators available to indicate Power input	1
DC Voltmeter Range	0-30Volt
DC ammeter Range	0-50 in milli Ampere
Operating manuals, service manuals, other manuals	Should provide • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance. • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Warranty	Warranty for 2 years, extendable by 3 years, after satisfactory installation and working excluding consumable parts and accessories.
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached.
UPS	UPS/Stabilizer as required for functioning of the equipment.
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2- 40 for safety Should have necessary certification for safety and quality

	standards from national/ international bodies
IQ/PQ/OQ	Onsite IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument
After sales service/Post warranty	- Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; - Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. - Should carry out yearly PM with at least one PM kit - Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be - specified.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Outage conditions	After two years of warranty period, 3 years of CAMC shall be undertaken by the supplier. This would also include: - Preventive maintenance service: The seller will provide a minimum of two Preventive Maintenance Service visits during a year to the operating base to carryout functional checkups and minor adjustments/tuning as may be required. - Break down Maintenance Service: In case of any breakdown of the equipment/system, on receiving a call from the buyer, the seller is to provide maintenance service to make the equipment/system serviceable. - Response time: The response time of the seller should not exceed 48 hours from the time the breakdown

	intimation is provided by the Buyer. iv. Serviceability of 90% per year is to be ensured. This amounts to total maximum downtime of 37days per year. Also unserviceability should not exceed 2 working days at one time. Required spares to attain this serviceability may be stored at site by the seller at his own cost. Total down time would be calculated at the end of the year. If downtime exceeds permitted downtime 'Liquidated Damages' would be applicable for the delayed period. v. Maximum repair turnaround time for equipment/system would be 3 days. However, the spares should be maintained in a serviceable condition to avoid complete breakdown of the equipment/system
Payment	Payment only after installation, validation and performance demonstration.

HOT AIR OVEN	
Application: For drying glassware and also for conditioning of heat sensitive microbiology media and to provide an optimal, homogeneous, temperature uniformity and stability to ensure drying is complete.	
Specifications	Requirement
Material of construction	- Should have double walled construction, with high quality insulated steel. Inner walls of 304 qualities SS, Outer walls of Epoxy Powder coated GI sheets/ textured SS. - Facility for adjustable shelves, 8-10 removable shelves to be provided. - With internal lighting facility, Insulated door fitted with heavy hinges, mechanical door lock.
Capacity	200-600 L
Temperature range	- Temperature should be thermostatically controlled. - It should be Ambient +5°C to 300°C with temperature setting accuracy $\pm 0.5^{\circ}\text{C}$ with forced air circulation for temperature uniformity - Separate PT 100 sensor and display for temperature (LED/TFT) - Safety alarms
Unit	- Air ventilators to be provided on both side - The equipment should be provided with microprocessor controlled digital display - Temperature homogeneity between top and bottom shelves should be maintained by forced Circulation - Certificate from an ISO:17025 accredited lab for 3 different temperature points
Power supply	All electrical peripherals required for smooth functioning e.g. voltage stabilizers should be provided.
Accessories	Should have all the accessories required for the functioning of the equipment.

Certificates Performance and safety standards (specific to the device type); Local and/or international	• Should be compliant with the requirements of FDA/CE/BIS • Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety
Supplier/Manufacturer	Must be ISO certified for quality
Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer;
Recommendations or warnings	Any warning signs would be adequately displayed
Warranty	Warranty for 3 years after satisfactory working excluding consumable parts and accessories.
Service contract clauses, including prices	• List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
Operating manuals, service manuals, other manuals	Should provide 2 sets (hard copy and soft-copy) of:- • User, technical and maintenance manuals to be supplied in English language along with machine diagrams; • Service and operation manuals (original and copy) to be provided; • Advanced maintenance tasks documentation
Supplier/Manufacturer	Must be ISO 8655 certified for quality
Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer

Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration

MUFFLE FURNACE	
Application: A muffle furnace generates the high-temperature up to 1600°C and turns the sample into ash. The chemical composition can be determined easily after determining the ash content. It is the best way to determine the quality and levels of silica of the food products.	
Specification	Requirements
Inside Chamber Volume	7 L or better With lift door with hot surface facing away from the operator and swing aside door at the front
Furnace construction	Double shell steel case with cooling fan to keep outside case cool High purity alumina fiber insulation for max. energy saving
Temperature Range	900 -1600°C
Standard Working Temperature	1200°C
Temperature accuracy	+/-1.0°C
Heating element	The chamber section should be heated by six to eight Super Kanthal Molybdenum disilicate heating elements (Super 1800 grade MoSi ₂) suspended in a chamber made of high temperature refractory fiber lined with a combination of ceramic fibre blankets.
Heating rate	The furnace should be off as the heating type with the maximum attainable temperature should reach as a ramp function in less than one hour.
Thermocouple	Pt. Pt. Rh. Thyristor controller will be provided along with the furnace to measure the temperature with Recrystallized alumina Sheath & connecting holder complete set.
Temperature Control	PID automatic and programmable power control with necessary safety features Over-temperature limiter with adjustable cut-out temperature for thermal protection class 2 in accordance with EN60519-2 as Temperature limiter to protect the furnace and load
Cooling Fan/ Air	Attached with Furnace, provided inside the control unit to protect

Circulation	Costly component
Maximum power	Up to 8 KW
Accessories to be supplied	Al₂O₃ Sample Plate 1 pcs Al₂O₃ Furnace Door Block 1 pcs Protection Glove 2 pairs Crucible Clip 1 pair Crucibles 6 pcs
Calibration Certificate	From ISO:17025/NABL accredited laboratory
Installation, training And commissioning	Vendor must ensure satisfactory installation and commissioning of the system.
Operating manuals, service manuals, other manuals	Should provide:- • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations Or Warnings	Any warning signs would be adequately displayed.
Warranty	2 years after satisfactory installation and working excluding consumable parts and accessories. Provision should be there to extend the warranty up to 3 years (at least)
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
List of Spares and Accessories	Provide list of all essential spares and accessories
UPS	UPS/Stabilizer as required for functioning of the equipment

Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety • Should have necessary certification for safety and quality standards from national/ international bodies
IQ/PQ/OQ	Onsite IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.
After sales service/ Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit • Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous Information found submitted will result in disqualification.
Payment	Payment only after installation, validation and Performance demonstration.

UV CABINET WITH LONG & SHORT WAVE UV LAMPS	
Application : An equipment is used to see the fluorescence activity of bacteria.	
Specifications	Requirement
Material	Steel Body
Size	2 Ft x 1 Ft.
UV Cabinet	• With Long and Short Wave UV Light • Should In-corporate two different light sources • Wavelength - 254 nm and 360 nm • Should have Fluorescent Light • Should be safe for user • Should have Glass Filter for Protection from Reflected UV light. • Should have easy to open window for quick insertion • Voltage - 220 V, 50 Hz.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Warranty	2 years after successful installation
Payment	Payment only after installation, validation and performance demonstration.

MULTIFUNCTION SHAKER

Application: Shaking incubators are combination of traditional incubators and a laboratory shaker used to simultaneously incubate and shake or agitate samples. They are ideal for Laboratory working on cell culture, cell aeration and solubility experiments.

Specifications	Requirements
Shaker requirements	• Single knob selects all operating conditions and quickly Triple-eccentric counter balanced drive • Acceleration circuit to prevent sudden start and stop should be available • Programmable controller offering up to 4 modes of timer and parameter control for reduced user intervention. • Timer 0.1 to 99.9 hours or continuous mode • UV germicidal lights. • Noiseless operation
Shaking Speed range	25 to 400 rpm with ± 2 rpm accuracy
Temperature range	20°C below ambient to 80°C with accuracy of $\pm 0.1^\circ\text{C}$ and Stability of $\pm 0.2^\circ\text{C}$ at 37°C
Shaking orbit	approx. 25 mm
Display	Large, easy to read LCD display screen
Audible and Visible Alarm	Should indicate when speed deviates more than 5 rpm or temperature deviates more than 1°C from set point, and when Timer operation has expired.
Over all dimensions	Minimum 62 x 75.4 x 82 cm (W x D x H)
Accessories	1. Universal Platform of at least 40 cm x 40 cm having capacity to holds assortment of various size of flask sizes up to 2 Ltrs and test tube racks. 2. System should be supplied with 125 ml clamps (10 Nos.), 250 ml clamps (5 Nos.), 500 ml clamps (05 Nos.), 1000 ml (02Nos.) and 2000 ml (01- 02 Nos) 3. Test tube rack for 20 x 50 ml tube (1 no.) and test tube rack for 42 x15 ml tubes (1 no.)

Operating manuals, service manuals, other manuals	Should provide: - • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Warranty	2 years after satisfactory installation and working excluding Consumable parts and accessories. Provision should be there to extend the warranty up to 3 years (at least).
Training	Training of personnel After supply, training on instrument operation and troubleshooting etc., to be given to all laboratory personnel.
UPS	UPS/Stabilizer as required for functioning of the equipment.
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety
IQ/PQ/OQ	IQ/OQ/PQ of instrument and Software should be provided along with document
After sales service/ Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit • Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity

	and acceptance that any incorrect or ambiguous Information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration

MMGPA TENDER

SOXHLET EXTRACTION UNIT (CLOSED SYSTEM)	
Application: It is used for analysis of total fat content of food samples. It is based on the Soxhlet extraction principle and all functions as soaking; extraction, leaching, heating, condensation and solvent recovery are automated for safe operation. Several samples can be analyzed at the same time.	
Specification	Requirement
Function	The system must be capable of quantitative separation of total fats from food, feed etc.
Sample Positions	≥ 6
Measuring Range	0.1 – 100 %fat
Sample Volume (Size)	0.5 to 15gm or more
Accuracy	± 1%
Solvent Recovery	≥75%
Temperature	100°C – 280°C or better
Other Features	• Shall be completely microprocessor based, fully automatic boiling, rinsing, drying, recovery, lifting of thimbles to cooling position and shut-down • User interface for up-gradation of software. • Shall be based on official 'RANDALL' method accepted by AOAC; • System must have capability to perform un-attended operation and must be programmable; • Should be provided with suitable solvent recovery system.
Safety Features and alarms	Automatic door-lock and sealing during extraction. Automatic over- temp. Control/protection facility. Equivalent or ATEX classified components for internal exposed valves, IP65 for other internal electronics, IP55 for Liquid and Dust protection, Pressurized electronics cabinet.
Material	All material in contact with solvents should be PTFE or suitable high- grade material. The material of construction of equipment should be Epoxy painted stainless-steel structure to prevent corrosion or other corrosion free material

Accessories to be supplied	The system should be supplied with at least • 12 glass/aluminum extraction cups (preferably ≥150ml.), • 24 dozen of suitable cellulose thimbles (preferably 33Ø x 80 mm) or Filter Bags, at least 6 viton seals, • 1 sample tray, • 1 boiling stones, 1 cup stand and 1 recovery flask.
Operating manuals, service manuals, other manuals	Should provide: - • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance. • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Warranty	2 years after satisfactory installation and working excluding consumable parts and accessories. Provision should be there to extend the warranty up to 3 years (at least) or CAMC
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction.
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached.
UPS	Suitable UPS/Stabilizer as required for functioning of the equipment
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety • Should have necessary certification for safety and quality standards from national/ international bodies
IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.

After sales service/ Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit • Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Outage conditions	After two years of warranty period, 3 years of CAMC shall be undertaken by the supplier. This would also include: - Preventive maintenance service: The seller will provide a minimum of two Preventive Maintenance Service visits during a year to the operating base to carry out functional checkups and minor adjustments/tuning as may be required. - Breakdown Maintenance Service: In case of any breakdown of the equipment/system, on receiving a call from the buyer, the seller is to provide maintenance service to make the equipment/system serviceable. - Response time: The response time of the seller should not exceed 48 hours from the time the breakdown intimation is provided by the Buyer. - Serviceability of 90% per year is to be ensured. This amounts to total maximum downtime of 37 days per year. Also un-serviceability should not exceed 2 working days at one time. Required spares to attain this serviceability may be stored at site by the seller at his own cost. Total down time would be

	calculated at the end of the year. If down time exceeds permitted downtime 'Liquidated Damages' would be applicable for the delayed period. v. Maximum repair turnaround time for equipment/system would be 3 days. However, the spares should be maintained in a serviceable condition to avoid complete breakdown of the equipment/system.
Payment	Payment only after installation, validation and performance demonstration

DEEP FREEZER	
Application: Deep freezers are used to store samples, reagents & kits, reference materials at low temperature i.e. around -20 °C to -30°C.	
Specification	Requirements
Type	Vertical
No of Door	Single
Position of Door	Front
Type of Insulation	PUF
Frost Free	Yes
Type of Cooling	Direct
Castor	Heavy Duty Lockable
Capacity	500L or higher
Shelves/Drawers	Sealed 5-7 pull-out drawers/shelves of different sizes that can be adjusted for storage flexibility.
Material of Chamber Interior	Stainless steel, preferably 304 grades
Material of Chamber Exterior	Stainless steel, preferably 304 grades
Door Material	Stainless steel, preferably 304 grades
Finish	Powder coated exterior finish
Temperature Range	-10°C to -30°C
Temperature Uniformity in Degree Celsius	±3°C or less
Temperature Stability of System in Degree Celsius	±3°C
High Quality Door Seals	Yes
Lockable Outer and Inner Lids	Yes
Control	Fully programmable microprocessor controlled with membrane keypad and eye level control panel

Display	Easy to read , LED control panel and alarm status with integrated diagnostics.
Acoustic Safety alarms	Should be equipped with for High/low temperature, door ajar and malfunction alarms, sudden power failure, system failure and battery low
Temperature History	Data logger for temperature and temperature history which can be downloaded via a USB port.
Should Have Battery Back Up for The Display and Security Lock for The Display	Yes
Refrigerants	CFC-Free, HCFC-Free non inflammable refrigerants
CO ₂ cylinder should be supplied with freezer for backup	Yes (Optional)

Operating manuals, service manuals, other manuals	Should provide:- • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Warranty of complete unit)	3Year from the date of satisfactory functioning
Warranty of stabilizer in years	3 Year
Warranty of compressor in years	10 years or more
Service Support	Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
Voltage Stabilizer	Stabilizer as required for functioning of the equipment
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010- 2-40 for safety • Should have necessary certification for safety and quality standards from national/ international bodies
IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument

After sales service/Post warranty

- Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number;
- Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail.
- Should carry out yearly PM with at least one PM kit
- Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.

Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration.

ELECTRONIC COLONY COUNTER	
Application: For fast and accurate bacterial or mold colony counting and to aid in determining counts of colony clusters and exceedingly large or small colonies, and can accommodate multiple dish sizes or formats	
Specifications	Requirement
Material of construction	Full Stainless-steel fabricated body with duly heat cured epoxy coating.
Display and counting	It should consist of • Digital display up to 4 digits with confirmation by audible tone. • It should consist of Magnifying lens (greater than 2X magnification with digital marking pen) • Accepts Petri dish up to size 140 mm diameter with a centering adaptor for standard 90 mm Petri dish • Glare-free viewing low energy bright LED's • A switchable black background viewing translucent and difficult to see colonies. • Zero reset button
Operation and training component	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
Certificates Performance and safety standards (specific to the device type); Local and/or international	• Should be compliant with the requirements of FDA/CE/BIS • Electrical safety conforms to the standards for electrical safety IEC 60601-General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety
Supplier/Manufacturer	Must be ISO certified for quality
Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer;

Recommendations or warnings	Any warning signs would be adequately displayed
Warranty	Warranty for 2 years after satisfactory installation and working excluding consumable parts and accessories.
Service contract clauses, including prices	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached;
Operating manuals, service manuals, other manuals	Should provide 2 sets (hard copy and soft-copy) of:- • User, technical and maintenance manuals to be supplied in English language along with machine diagrams; • List of equipment and procedures required for local calibration and routine maintenance; • Service and operation manuals (original and copy) to be provided; • Advanced maintenance tasks documentation; • Certificate of calibration and inspection
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration.

MEMBRANE FILTRATION APPARATUS	
Application: Used for the collection and preparation of samples, mobile phases, and Buffers to obtain the highest quality results from downstream analysis	
Specification	Requirement
All-Glass Filter Holder	With borosilicate glass funnel and base, anodized aluminum spring clamp, silicone stopper, coarse-frit glass filter support and PTFE-faced funnel and base for 47 mm disc filters 90 mm disc filters 25 mm filters
Stainless Steel Vacuum Filter Holders	Analytical Filter Holders For 25- and 47-mm disc filter.
Filtering Flasks	Side arm connects to vacuum source with 3/8 in I.D. hose. 1L and 4L flasks accept no.8 perforated stopper. 125 ml flask accepts no. 5 stopper.
Filter Forceps	Highly polished stainless-steel forceps blades with beveled, un-serrated tips to prevent damaging the membrane filter.
Oilless vacuum pump	Flow rates of up to 37L/min
Membrane Filters	Filters 47 mm, 90 mm and 25mm for Aqueous Solvents Hydrophobic solvents
Warranty	2 years after successful installation and demonstration
Compliance statement	The quote should also include a compliance statement vis- à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and Performance demonstration

STOMACHER	
Application: A powerful compact and ergonomic lab-blender adapted for optimal homogenization and bacterial extraction without cross-contamination.	
Specifications	Requirement
Unit	- Should have chamber of stainless steel with an opening door - Should have multi-function digital display Provision of adjustable blending power with on screen indicator. - Should have provision of removable paddles for cleaning and autoclaving - Should have facility for side by side paddle-stop. - Provision of fully opening door facility for easy cleaning.
Disposable bag size	Appropriate to the model & capacity quoted
Capacity	50 - 400 ml
Temperature	Ambient operating temperature 10-35°C.
Humidity range	Operating relative humidity range should be 10-89%
Adjustable timer settings	1 sec - 60 mins.
Paddle speed	Variable speed (4-10 strokes/sec or better)
Sensor	To ensures immediate stop of blending in the event of a leakage
Accessories	Bags (1000 numbers), Bag clips (50 numbers) Bag storage rack/stand (2 numbers) Bag sealer.
Operation and training component	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction.
Certificates Performance and safety standards (specific to the device type); Local and/or international	- Should be compliant with the requirements of FDA/CE/BIS - Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) - Certified to be compliant with IEC 61010-1, IEC

	61010-2-40 for safety
Supplier/Manufacturer	Must be ISO certified for quality.
IQ/OQ/PQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.
Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer;
Recommendations or warnings	Any warning signs would be adequately displayed.
Warranty	Warranted for 3 years after satisfactory installation and working excluding consumable parts and accessories.
Service contract clauses, including prices	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached;
Operating manuals, service manuals, other manuals	Should provide 2 sets (hard copy and soft-copy) of:- • User, technical and maintenance manuals to be supplied in English language along with machine diagrams; • List of equipment and procedures required for local calibration and routine maintenance; • Service and operation manuals (original and copy) to be provided; • Advanced maintenance tasks documentation; Certificate of calibration and inspection.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous

	information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration.

MMGPA TENDER

REFRIGERATED CENTRIFUGE MACHINE	
Application: A Multi-functional, general purpose High speed refrigerated bench top Centrifuge used for separation of supernatants (liquid portion) from pellets (solid portion)	
Specification	Requirement
Base Unit	i. Tabletop centrifuge with maintenance free brushless motor and have low access height ii. CFC free refrigerant iii. LCD Digital Display of time, speed and Temperature and run conditions iv. Compatible with all fixed angle and swinging bucket rotors Automatic rotor recognition facility v. Automatic imbalance detection and cut-off vi. Should be programmable with easy preset programs for fast temperature for pre-cooling and short spin. vii. Should have motorized lid lock system
Temperature Range	0 °C to 30 °C
Speed	Maximum speed: 20000 RPM (with no load)
Rotors	Fixed Angle Rotor for 50 ml bottles 15 ml Falcon tube 1.5-2.0 ml Eppendorf tubes and adaptors for 0.2- and 0.5-ml tubes/ Eppendorf Rotor for 2.0 ml Eppendorf tubes (12 places or better) with RPM 20000 Deep-well micro plates rotor Two 96 well plates for swing out type with RPM 3500 Swing out rotor -
Accessories	Bottles, falcon tubes, adapters etc. One set of Other items (rotors/adapters) required for improving the applicability/system performance should to be quoted as optional

Power Requirement	220 v to 240 v-50 Hz If a voltage stabilizer is required, it should be supplied along with the unit
Voltage stabilizer	Suitable voltage stabilizer to be provided
Certificates Performance and Safety Standards	Should have necessary certification for safety and quality standards from national/ international bodies Optimum safety according to national and international regulations (IEC 1010)
Supplier/ Manufacturer	Must be ISO and CE certified for quality
Operating manuals, service manuals, other manuals	Should provide:- • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs should be adequately displayed
Warranty	Warranted for 2 years, extendable up to 3 years, after satisfactory installation and working excluding consumable parts and accessories.
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction.
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached.
Voltage stabilizer	Suitable voltage stabilizer as required for functioning of the equipment.
Quality Requirement	• Should be FDA/CE/BIS approved product. • Manufacturer and Supplier should have ISO 13485 certification under ISO 9001 for quality standards. • Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS

	Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2- 40 for safety Should have necessary certification for safety and quality standards from national/ international bodies
IQ/PQ/OQ	Onsite IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.
After sales service/ Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/ application support, engineers should attend immediately without fail. • Should carryout yearly PM with at least one PM kit Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Outage conditions	After two years of warranty period, 3 years of CAMC shall be undertaken by the supplier. This would also include: - Preventive maintenance service: The seller will provide a minimum of two Preventive Maintenance Service visits during a year to the operating base to carryout functional checkups and minor adjustments/tuning as may be required. - Breakdown Maintenance Service: In case of any breakdown of the equipment/system, on receiving a call from the buyer, the seller is to provide maintenance service to make the equipment/system serviceable. - Response time: The response time of the seller should not exceed 48 hours from the time the breakdown

	intimation is provided by the Buyer. iv. Service ability of 90% per year is to be ensured. This amounts to total maximum downtime of 37 days per year. Also unserviceability should not exceed 2 working days at one time. Required spares to attain this serviceability may be stored at site by the seller at his own cost. Total down time would be calculated at the end of the year. If downtime exceeds permitted downtime 'Liquidated Damages' would be applicable for the delayed period. Maximum repair turnaround time for equipment/system would be 3 days. However, the spares should be maintained in a serviceable condition to avoid complete breakdown of the equipment/system
Payment	Payment only after installation, validation and Performance demonstration

PROBE SONICATOR	
Application: Used for cleaning fitters, mixing, homogenization, dissolving and dispersion of particles in solvents.	
Specifications	Requirements
Tank capacity	5L or more (along with lid cover & drain valve)
Ultrasonic power	50 Hz or more
Ultrasonic frequency	0 to 40 KHz (variable with accuracy ± 2 kHz) (Ultrasonic power and frequency should be variable to form uniform cavitations in tank)
Heating temperature	1 to 100 °C with accuracy $\pm 1^\circ\text{C}$ (Temperature should be variable from 1 to 100°C). Suitable chilling unit should be provided to achieve the desired temperature.
Timer	Electronic digital timer (in 'min:sec~00:00' format) with automatic switch on/off.
Control panel	Digital indicator & auto-controller for temperature, ultrasonic frequency and electronic digital timer.
Material of construction	All parts including accessories should be made of AISI-304/316 or equivalent stainless-steel material.
Accessories	SS mesh baskets-2 Nos. Perforated trays- 2 Nos. Beaker holder - 2Nos. Conical flask holder - 4 Nos. Test tube holders - 2 Nos. Glass bottle holder -2 Nos. Tool kit, cleaning accessories and spare parts.
Operating manuals, service manuals, other manuals	Should provide:- • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed
Calibration certificate	Calibration certificate from ISO17025 for Temperature
Warranty	2 years after satisfactory installation and working excluding consumable parts and accessories.

After sales service/Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit • Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.
Training	The supplier should provide comprehensive training to users on operation of the instrument and application support on site as per specifications
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
Battery backup	Suitable rechargeable battery/Suitable rating UPS
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS • Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010- 2-40 for safety
IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted

	will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration

MMGPA TENDER

VORTEX MIXER	
Application: Vortex Mixer is general-purpose laboratory equipment. It is used for mixing liquids in test tubes. It operates at various speeds and can be operated continuously or by “touch” activation.	
Specification	Requirement
Speed and control	User settable 200-3000 rpm or better
Operating Modes	ON (continuous), OFF, and TOUCH mix
Head	Standard rubber cup
Base	Heavy metal with Four suction cups
Movement	Orbital type movement
Accessories	Flat head, Horizontal head for 12 x1.5 ml; Horizontal head, for 4 x15 ml
Low Speed Operation Should Be Possible in Touch Activated Operation	Yes
Operation Type	Low Noise
Power Supply	200-240 V ac 50 Hz
Operating manuals, service manuals, other manuals	Should provide:- • User, technical and maintenance manuals in English language. • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Warranty	2 years after satisfactory installation and working excluding consumable parts and accessories. Provision should be there to extend the warranty up to 3years (at least)
Training	The supplier will have to carry out successful installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction.

List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
UPS	UPS/Stabilizer as required for functioning of the equipment
Quality Requirement	- Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) - Certified to be compliant with IEC 61010-1, IEC 61010- 2-40 for safety - Should have necessary certification for safety and quality standards from national/ international bodies
IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument
After sales service/ Post warranty	- Contact details of manufacturer, supplier and local service agent to be provided, including toll free/Landline Number; - Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. - Should carry out yearly PM with at least one PM kit - Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration.

VERTICAL AUTOCLAVE	
Application: A vertical steam sterilizer to provide safe, economical and effective sterilization for microbiology laboratories that do not want to compromise on quality, safety and reliability and need to sterilize liquids such as nutrient media and buffer solutions, Solid items such as pipettes, tubes and filters and Glassware and plastic articles.	
Specifications	Requirement
Chamber	• Vertical loading type chamber with service basket and complying to the strictest international directives and standards equipped with • Steam collection bottles to remove most of the steam during operation • Ware inlet and outlet valve • Drain valve for cleaning or changing with freshwater • Constructed with appropriate stainless steel with superior corrosion resistance to water and steam. • High temperature and pressure resistant silicon gasket. • Built-in analog pressure gauge • Manual pressure release valve • Wheels/casters for easy transport.
Chamber size/ Capacity	Approx.80-120 lit
Gauges	Should have a water level gauge. Analog gauges for measuring inner and outer steam pressure. Should have an inner temperature indicator.
Chamber size/ Capacity	Approx.80-120L
Display	Fully Automatic PID Control $\pm 0.1^{\circ}\text{C}$ LED display for temperature and remaining time.
Operating Temperature and accuracy	Maximum 123°C Temperature Accuracy: $\pm 0.5^{\circ}\text{C}$ at 121°C Must have Temperature calibration function
Operating pressure and gauge	15-20 psi ANALOG PRESSURE GAUGE (0-400 psi pressure gauge) indicating actual pressure
Timer	Automatic START/STOP timer

Safety warnings and alarms	• A cycle cannot start if the door is open or not properly locked • The door cannot unlock until chamber pressure reaches room pressure • Over-Temperature Cut-Off with audio visual alarm • Low Temperature Warning: If the temp. stays below 121°C for more than 5 seconds • Low Heat Warning :If the temp. does not reach the sterilization temperature during the set periods • Over-Pressure Cut-Off with audio-visual alarm • Over Current Cut-off with audiovisual alarm. • Low Water Level heater cut-off and ALARMS.
Accessories	Perforated corrosion free baskets made up of SS 304 (3-4 Nos.) that are stackable two high or even more levels, Silicone gasket
Calibration certificates	Certificate from ISO:17025 accredited lab for temperature, pressure gauges & timer.
Operation and maintenance training component	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support services till customer satisfaction
Certificates Performance and safety standards (specific to the device type); Local and/or international	• Should be compliant with the requirements of FDA/CE/BIS • Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC61010-2-40 for safety
Supplier/ Manufacturer	Must be ISO certified for quality.
Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer;
IQ/OQ/PQ	Onsite IQ,OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.

Recommendations or warnings	Any warning signs would be adequately displayed.
Warranty	Warranted for 2 years after satisfactory installation and working excluding consumable parts and accessories.
Comprehensive maintenance	Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 2 year Warranty/Defects Liability Period. This will include start- up/commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hour in the case of minor breakdowns due to any unforeseen break down. The institution will provide Water / Electricity power, etc. for maintenance work. The successful tendered shall keep the essential spares at site during the Contract Period to avoid the delay in attending faults / maintenance
Service contract clauses, including prices	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached;
Operating manuals, service manuals, other manuals	Should provide 2 sets (hard copy and soft-copy) of • User, technical and maintenance manuals to be supplied in English language along with machine diagrams; • List of equipment and procedures required for local calibration and routine maintenance; • Service and operation manuals (original and copy) to be provided; • Advanced maintenance tasks documentation; • Certificate of calibration and inspection.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration.

Split Air Conditioner (1.5 Ton)	
Application: Cooling Only	
Type	Wall Mounted Split Type Air Conditioner (Cooling Only)
Capacity	1.5 Ton (Nominal 5100 W Cooling Capacity)
Compressor	- Rotary / Twin Rotary type, hermetically sealed - Inverter type preferred for energy efficiency - Make: LG / Voltas / Daikin / Blue Star / Panasonic or equivalent
Refrigerant	- Eco-friendly refrigerant – R-32 or R-410A - Non-ozone depleting and low GWP (Global Warming Potential)
Condenser & Evaporator Coil:	100% Copper tube condenser coil - Hydrophilic blue fin coating for corrosion resistance
Power Supply	Single Phase, 230 V $\pm$10%, 50 Hz AC supply
Cooling Capacity (Rated):	Minimum 5000 W at 35°C ambient temperature
Power Consumption:	- Not more than 1700 W for non-inverter type (For inverter models, ISEER $\geq$ 4.0 preferred)
Star Rating (BEE):	- Minimum 3 Star (latest BEE standard) - Preferred: 5 Star Inverter model
Air Flow Rate:	Minimum 600 CFM (Cubic Feet per Minute)
Noise Level (Indoor Unit):	Should not exceed 45 dB(A) in high fan mode
Indoor Unit:	- Wall-mounted type with LCD remote control - Auto swing, sleep mode, timer function, clean filter indicator
Outdoor Unit:	- Weatherproof casing with powder coating - Mounted on suitable MS frame / stand with anti-vibration pads
Refrigerant Piping:	- Copper piping with proper insulation (up to 3–5 meters) - Additional length as required on site shall be provided with extra copper tubing, insulation and support clips
Drainpipe:	Properly insulated PVC drain pipe to discharge condensate

Controls & Protection:	• Thermostat controlled automatic operation • Overload and overcurrent protection • Auto restart function after power failure
Accessories:	• Remote control with batteries • Mounting brackets and installation kit • User manual and warranty card
Warranty:	• Minimum 1 year comprehensive warranty on complete unit • Minimum 5 years warranty on compressor
Make / Brand:	• LG / Voltas / Daikin / Blue Star / Hitachi / Panasonic or equivalent ISI/BEE approved make
Installation:	• Installation, testing & commissioning at site to be carried out by OEM authorized technician • Suitable stabilizer (if required) to be provided
Payment	• Payment only after installation, validation and performance demonstration.

SEROLOGICAL WATER BATH	
Application: The water bath is for routine use in microbiology protocols as well for proper suspension of microbes in the medium with precise temperature control	
Specification	Requirement
Material of construction	• Rounded, seamless stainless-steel bath to preventing rust, chemical damage and contamination. • Powder coating like epoxy coating exterior for easy clean up • Corrosive resistant stainless-steel Gabled drip free lid
Unit	• Microprocessor controlled digital display. • Instrument should have lift up drip free bath cover; • Carrier racks should be given for flasks and test tubes racks. • Convenient water bath drains. • Water bath surface coating should prevent contamination and formation of algae. • Easy cleaning
Temperature	Temperature Range: +20°C to 99°C Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$ at 37.0°C Temperature Uniformity: $\pm 0.5^{\circ}\text{C}$ at 37.0°C Digital LED display for operating status of TEMP Over-Temperature Cut-Off. Temperature calibration function
Alarms	Audible warning safety signals should be there for High/low temperature warnings Low liquid level
Calibration	Certificate from a ISO:17025 accredited lab for 3 different temperature points.
Operation and training component	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction

Certificates Performance and safety standards (specific to the device type); Local and/or international	• Should be compliant with the requirements of FDA/CE/BIS • Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety
Supplier/Manufacturer	Must be ISO certified for quality
Service Support Contact details(Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/ahoc) to be declared by the manufacturer;
Recommendations or Warnings	Any warnings would be adequately displayed
Warranty	Warranty for 2 years after satisfactory installation and working excluding consumable parts and accessories.
Service contract clauses, including prices	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached;
Operating manuals, service manuals, other manuals	Should provide 2 sets (hard copy and soft-copy) of: • User, technical and maintenance manuals to be supplied in English language along with machine diagrams; • List of equipment and procedures required for local calibration and routine maintenance; • Service and operation manuals (original and copy) to be provided; • Advanced maintenance tasks documentation; Certificate of calibration and inspection
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.

Payment	Payment only after installation, validation and performance demonstration.
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MMGPA TENDER

KJELDHAL DIGESTION AND DISTILLATION UNIT	
Application: Kjeldhal method is used to determine organic nitrogen and protein contents in food samples. Automatic Kjeldhal protein analyzers are space saving and have distillation and digestion units combined together.	
Specification	Requirement
Digestion and distillation unit	Should be combined unit with all units from the same manufacturer and consist of Digestion unit, Distillation unit, Scrubber and Auto Titrator.
Digester	• Tube holding capacity: ≥ 20 • Temperature: ambient to 450°C • Temperature Stability: $+1^{\circ}\text{C}$ • Digestion Timer range: 1-999 minutes or more. • Should have programmable time & temperature ramping and audible alarms. • Should be provided with automatic motorized lifting of tubes from the heating unit.
Accessories for digester	• Exhaust unit, • Rack, stand, lid • 40 nos. of digestion tubes ≥ 250 ml. • and all other required accessories for standalone operation of the digester.
Scrubber system	i. The material of construction of the scrubber should be of high endurance materials like borosilicate glass or high-quality stainless steel. Auto Start from Digestion system ii. Cleaning shall include condensation, neutralization, adsorption and redox reactions to maintain efficiency of the equipment iii. Suction should be regulated/ adjustable to achieve efficient digestion. iv. All supplied reagent containers must be ≥ 2 L. capacities and must be made of high-quality borosilicate glass.
Automated Distillation and Titration Unit	1. Should be completely programmable for all controls like cooling water, dilution water, sodium hydroxide, receiver solution automatic calculation, automatic emptying of tube, titration vessel, etc.

	2. Should have built-in colorimetric/Potential-metric titration system and allow use of a wide range of indicators. 3. Should have possibility for by passing automatic titration system to allow manual titration. 4. Should have $\geq 7"$ color touch screen LED/LCD/VFD display 5. Nitrogen measurement range: 0.1-200mg or more. 6. Recovery: $\geq 99.5\%$. 7. Should be provided with burette having ≥ 30 ml volume and must have possibility of automatic refilling during analysis Minimum dispensing volume: 2 - 3 μl 8. Reproducibility: $\leq 1\%$ of RSD 9. Automatic waste removal via tube drainage after distillation 10. The system should be able to store the recorded data and must have facility for downloading the same using an USB port or through Wi-Fi or connectivity for LIMS
	11. Additionally, it should be possible for transferring weights and retrieving data using suitable software which is compliant to traceability. 12. The system should have safety sensors and audible warning systems 13. Should be provided with exchangeable splash head to reduce carry-over effects. 14. The system should be provided with suitable password protection to prevent tampering of programmes and data. 15. The system must be compliant to ISO 17025:2017 16. The system shall have the possibility to track performance of the system and warns if analysis results changes over time. It is desirable to have component traceability feature in the system for effective maintenance of the system. 17. The instrument shall be delivered with a Verification Test document that certifies that instrument has been performance tested in factory (confirming analysis performance). The systems should be supplied with Kjel tabs (5000 nos.) or equivalent, 4 tanks of ≥ 20 L along with level sensors for each of them

Spares and Accessories	All chemicals and reagents for 200 runs.
Reference standard	Certified Ammonium sulfate (100g)
Operating manuals, service manuals, other manuals	Should provide: - • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Warranty	2 year after satisfactory installation and working excluding consumable parts and accessories. Provision should be there to extend the warranty up to 3 years (at least)
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached.
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction.
UPS	Suitable on -line UPS (5 KVA) to support the instrument.
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety • Should have necessary certification for safety and quality standards from national/ international bodies
IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.
After sales service/ Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by

	service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Outage conditions	After two years of warranty period, 3 years of CAMC shall be undertaken by the supplier. This would also include: - Preventive maintenance service: The seller will provide a minimum of two Preventive Maintenance Service visits during a year to the operating base to carry out functional checkups and minor adjustments/tuning as may be required. - Breakdown Maintenance Service: Incase of any breakdown of the equipment/system, on receiving a call from the buyer, the seller is to provide maintenance service to make the equipment/system serviceable. - Response time: The response time of the seller should not exceed 48 hours from the time the breakdown intimation is provided by the Buyer. - Serviceability of 90% per year is to be ensured. This amounts to total maximum downtime of 37 days per year. Also unserviceability should not exceed 2 working days at one time. Required spares to attain this serviceability may be stored at site by the seller at his own cost. Total down time would be calculated at the end of the year. If downtime exceeds permitted downtime ‘Liquidated Damages’ would be applicable for the delayed period. - Maximum repair turnaround time for equipment/system would be 3 days. However, the spares should be maintained in a serviceable condition to avoid complete breakdown of the equipment/system.

Payment	Payment only after installation, validation and performance demonstration.
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MMGPA TENDER

ELISA READER WITH PLATE WASHER	
Application: ELISA readers detect and process and quantitate biological and chemical data using absorbance (ELISAs, enzyme activity, and nucleic acid and protein quantification), luminescence, and fluorescence detection modes, in the wells of a plate usually 96 or 384 plates	
Specifications	Requirements
ELISA Micro-plate Reader	
Light Source	Quartz-halogen lamp 6V/10W
Wavelength	Absorbance 230-750 nm, Accuracy $\pm$ 1nm Fluorescence Ex 230 – 850 nm, Em 280 – 850 nm Accuracy $< \pm 2$ nm
Filters	8-position filter wheel, the instrument is delivered with the following standard filters installed: 405nm, 450nm, 620nm and 650nm
Resolution	0.001 Abs
Display	High contrast color display (480 x 272 dots)
Internal Memory	At least up to 99 assay protocols and 100 test results, 96-wellplates
Incubator (Optional)	Temperature range from ambient +4°C up to 50°C
Accuracy (405nm)	$\pm$ 1% (0-3Abs) or $\pm$ 0.003 Abs, whichever is greater
Communication	USB for computer connection USB for memory stick position for data export USB for external printer.
Mains Input	100-240V(50/60Hz) with IVD specifications
Capability	Capability to read flat-,U-,or V-bottom micro plates, 6/12/ 24/48/ 96 wells and cuvettes.
Power Supply	210-240V/50-60Hz
Detectors	Fluorescence, UV and Visible, Luminescence
Temperature control	Ambient +5 °C to 45°C
Calibration plate	96-well calibration plate must be calibrated for the wavelength (e.g.,630 nm,650 nm, 420nm, 450 nm).
Calibration	Calibration certificate from ISO17025, NABL accredited laboratory
ELISA Micro-plate Washer	
Function	Fully automatic plate washer With IVD specifications
Compatible	With ELISA reader supplied (as per model)
Capability	Washing of 96 well micro-plates and strips, with flat, round, or “V”

	bottom well.
Bottle	With non-pressurized bottle to maintain bio-safety Wash, rinse and waste (volume 4-6 L)
Residual volume	<2 µl
Dispensing volume	50-400µl for 96 well plate
Plate sensor	Should have the provision
Data Transfer	USB Port Number of wash protocols up to 99
Number of Wash buffer bottles	One
Validation	For validation vendor should having it own capability with their own company trained service engineer to perform validation. No third part validation will be entertained. One validation at the time of installation should be done by company personnel.
Operating manuals, service manuals, other manuals	Should provide: - • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Warranty	2 year after satisfactory installation and working excluding consumable parts and accessories.
After sales service/ Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit • Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be specified.

Training	The supplier should provide comprehensive training to users on operation of the instrument and application support onsite as per specifications.
Accessories	Spare Lamps 2 Nos. Multi-channel pipette (2nos) with tips and calibration certificate should be provided.
List of Spares and Accessories	All spares and accessories for both ELISA reader and Plate washer along with part number must be listed.
UPS back-up30 mins	Branded compatible online UPS with at least 30 minutes backup.
Certificates required	• Should be compliant with the requirements of FDA/CE/BIS • Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety
Outage conditions	After two years of warranty period, 3 years of CAMC shall be undertaken by the supplier. This would also include: i. Preventive maintenance service: The seller will provide a minimum of two Preventive Maintenance Service visits during a year to the operating base to carry out functional checkups and minor adjustments/tuning as may be required. ii. Breakdown Maintenance Service: In case of any breakdown of the equipment/system, on receiving a call from the buyer, the seller is to provide maintenance service to make the equipment/system serviceable. iv. Response time: The response time of the seller should not exceed 48 hours from the time the breakdown intimation is provided by the Buyer. v. Serviceability of 90% per year is to be ensured. This amounts to total maximum downtime of 37 days per year. Also unserviceability should not exceed 2 working days at one time. Required spares to attain this serviceability may be stored at site by the seller at his own cost. Total down time would be calculated at the end of the year. If downtime exceeds permitted downtime 'Liquidated Damages' would be applicable for the delayed period.

	vi. Maximum repair turnaround time for equipment/system would be 3 days. However, the spares should be maintained in a serviceable condition to avoid complete breakdown of the equipment/system
IQ/PQ/OQ	On site IQ,OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration.

TURBIDITY METER	
Application: Turbidity meter is used for the detection of turbidity of liquids and aqueous solutions	
Specification	Requirement
Type	Bench Top
Range	0-1000 NTU
Principle of Operation	Nephelometric
Automatic Range Selection	0.01to 19.99 NTU, 20.0 to 99.9 NTU, 100 to 1000 NTU
Accuracy	±2% of reading ± 1 digit for 0– 500 NTU ±3% of reading ±1 digit for 501– 1000 NTU
Response Time	Less than 6 seconds
Calibration	4 points
Calibration Kit	set 3 sample vials
Resolution	0.01 NTU (0 to 19.99 NTU), 0.1 NTU (20 to 99.9 NTU), 1 NTU (100 to1000 NTU)
Display	Digital LED
Light Source	Tungsten halogen Lamp/Infra-Red Emitting diode
Detector	Photo Diode
Connectivity	RS232 interface
Operating manuals, service manuals, other manuals	Should provide:- • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance. • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.
Recommendations or Warnings	Any warning signs would be adequately displayed.
Warranty	2 year after satisfactory installation and working excluding consumable parts and accessories. Provision should be there

	to extend the warranty up to 3years (at least).
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction.
List of Spares and Accessories	Instrument should have all the standard accessories like silicone oil, oiling cloth, filter assembly, sample cells with caps, turbidity standardization kit, Calibration kit, NIST traceable standard solutions And dust cover at the time of supply
UPS	UPS/Stabilizer as required for functioning of the equipment.
Quality Requirement	• Should be compliant with the requirements of FDA/CE/BIS • Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) • Certified to be compliant with IEC 61010-1, IEC61010-2-40 for safety Should have necessary certification for safety and quality standards from national/ international bodies.
IQ/PQ/OQ	Onsite IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument
After sales service/Post warranty	• Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number; • Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail. • Should carry out yearly PM with at least one PM kit. • Comprehensive AMC cost/rate for 3 years after warranty shall be quoted. Terms and conditions for the comprehensive AMC, after the warranty period has to be

	specified.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration.

REFRIGERATOR 600 LIT.	
Application : A refrigerator is used for storing reference cultures, media, homogenized samples, reagents etc.	
Specifications	Requirement
Material	Stainless steel
Capacity	Approx.600 L
Adjustable Shelves	Tempered glass shelves 05 nos.
Doors	Two Stainless steel doors side by side Refrigerator and freezer must be side by side
Temperature Range	Independent Digital display and temperature controls for refrigerator and freezer Refrigerator +2° to +8°C Freezer -15 to -20 °C
Audio alarm	Alarm if door is ajar for long
Inner body	Rust Free Material
Refrigerant	CFC/HCFC Free
Frost Free	Inbuilt Voltage Stabilizer Warranty 2 years and Life time on motor
Door Lock &Interior light	High/Low cut with timer delay
Temperature Control	Same Temperature: Top to Bottom Microprocessor based Temperature Controller with Digital Display.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Warranty	2 years after successful installation and 10 years for the compressor
Payment	Payment only after installation, validation and performance demonstration.

REFRIGERATOR 200 LIT.

Application: It is commonly used equipment at microbiology lab for the purpose of storage of items which required low temperature between 4°C to 8°C e.g. food samples, media, chemicals, reagents, cultures.

Specifications	Requirements
Design	• Vertical with wheels • Frost free, CFC free, Automatic Defrost • –5 Height adjustable shelves • Internal LED Lighting • Single Triple- Pane Glass Door with ergonomic handle Key Lock • Automatic door closing • Fan forced air circulation to ensure stable & uniform preservation environment.
Controller	• Microprocessor Temp. Control Controller with 0.1°C resolution • Controller to Display data about the unit and used to control temperature • Control panel should be at eye level with Digital Temperature display & Alarms
Construction	Electro-galvanized steel with white, oven baked epoxy- polyester, anti-microbial, powder-coated finish with 304 Stainless Steel inner chamber.
Capacity	200 L
Temperature	Range: +1°C to +10°C Uniformity: ±3°C
Alarm	Open door, High/Low temperature, Clogged condenser filter
Operating manuals, service manuals, other manuals	Should provide: - • User, technical and maintenance manuals in English language • List of equipment and procedures required for local calibration and routine maintenance • Service and operation manuals to be provided advanced maintenance tasks documentation, if any.

Recommendations or Warnings	Any warning signs would be adequately displayed
Warranty	2 years after satisfactory installation and working excluding consumable parts and accessories. Provision should be there to Extend the warranty up to 3years (at least).
Service Support	- Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer. - Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number.
Training	Training of personnel After supply, training on instrument Operation and troubleshooting etc., to be given to all laboratory personnel.
List of Spares and Accessories	Accessories as required for functioning of the equipment
UPS	UPS/Stabilizer as required for functioning of the equipment
Quality Requirement	- Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) - Certified to be compliant with IEC61010-1, IEC61010-2-40 for safety Should have necessary certification for safety and quality standards from national/ international bodies.
IQ/PQ/OQ	On site IQ, OQ of instrument along with document to be provided & supplier to assist till satisfactory PQ of instrument.
Compliance statement	The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous Information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration

Dean & Stark Distillation Apparatus	
Application: A Dean and Stark apparatus typically consists of a 500 ml round-bottom flask, a 400 mm Liebig condenser, and a graduated receiver (commonly 10 ml capacity). Key specifications include heat-resistant borosilicate glass construction, a heating mantle with a regulator, and power supply options such as 220V/50-60Hz. Graduation specifications vary but may be, for example, 0.1 ml intervals for the first 1 ml and 0.2 ml for the remaining 9 ml of a 10 ml receiver.	
Specification	Requirements
Flask	500 ml round-bottom flask
Condenser	400 mm Liebig condenser
Receiver	10 ml graduated tube, though other capacities like 2 ml, 5 ml, or 25 ml are available
Graduation	Varies by model, but often includes fine intervals (e.g., 0.1 ml) for accuracy, with specific tolerances for different ranges
Joints	Tapered ground glass joints (e.g., 29/32)
Heater	A heating mantle with a steel rod and clamp is common, with power ranging from 300W to 250W depending on the model
Power Supply	220V/50-60Hz is standard, with some models offering 115V options
Material	Heat-resistant borosilicate glass for components like the flask, condenser, and receiver

Volatile Oil Apparatus

Application: The most common apparatus for determining volatile oils in food is the Clevenger apparatus, used for steam distillation. Its technical specifications are often defined by regulatory bodies and international standards, such as ISO 6571, and depend on whether the target oil is lighter or heavier than water.

Specification	Requirements	
Flask Distilling	A 1,000 mL round-bottom flask, often equipped for a magnetic stirrer, holds the food sample and water	
Volatile oil trap (separator)	The graduated tube where the condensed oil is collected and separated from the water.	
Condenser	A Liebig-style condenser is attached to the top of the trap to cool and condense the steam and oil vapour.	
Heating source	A heating mantle or hotplate with a magnetic stirrer is used to boil the flask's contents	
Glassware material	All glass components are typically made from heat-resistant borosilicate glass (e.g., Borosil, Pyrex).	
Specifications for oil density	The design of the trap differs depending on the density of the volatile oil being measured.	
	Lighter than water	Heavier than water
Trap design	The water returns to the boiling flask from a tube at the bottom of the receiver.	The water automatically returns to the boiling flask from an overflow tube positioned at the top of the graduated receiver.
Trap graduation	Typically 0–10 mL with 0.1 mL subdivisions.	The graduation is on the lower section of the trap to measure the collected oil.
Application	Suitable for most essential oils, such as those from citrus peels.	Used for oils like cinnamon and cassia, which have a density close to or greater than water.

SO ₂ Apparatus	
Application: Apparatus used to determine sulphur dioxide (SO ₂) in food depending on the analytical method employed. The most common methods are based on distillation and titration, such as the Modified Monier-Williams method, though newer instrumental methods offer increased speed and precision.	
Methodology	Modified Monier-Williams method based on DIN EN 1185 and 1988-1 standards.
Function	Automated or semi-automated distillation and titration system.
Sample positions	Single position
Boiling flask	A round-bottom flask, often 1000 mL, with multiple necks for additions.
Condenser	An Allihn condenser to prevent sample loss during boiling.
Absorption units	Two absorption vessels per sample
Components	Base unit, heating mantle, glassware (e.g., boiling flask, condenser, bubbler), and mounting frame.
Titration	Performed with a standardized sodium hydroxide
Power	450 W
Dimensions	71.5×23×33 cm (W × D × H).
Weight	7.5 kg

Reichert-Meissl Value Apparatus	
Application: The Reichert-Meissl (RM) distillation apparatus is a specific type of steam distillation unit designed to determine the amount of soluble, volatile fatty acids in fats and oils. The specifications are standardized to ensure consistent results, which are vital for detecting adulteration in products like butter and ghee.	
Flat-bottom boiling flask	
Material	Heat-resistant glass, conforming to standards such as BIS [IS: 548-Part 1].
Capacity:	Typically 300 ml.
Still-head	
Material	Glass tubing with a specified wall thickness of approximately 1.25 ± 0.25 mm. It has a bulb and a side-hole to connect to the condenser. A rubber stopper fits below the still-head bulb.
Connections	A rubber stopper is fitted below the bulb of the still-head's longer arm. Its lower surface is precisely 10 mm above the center of the side hole.
Distillation path	Includes a splash bulb and connects the flask to the condenser.
Condenser	
Material	Glass. To cool and condense the vapors.
Design:	A water-jacketed condenser that ensures the distillate is cooled to between 15°C and 20°C as it exits.
Receiver	
Type	A graduated receiving flask.
Graduations	Features two specific marks on the neck: one at 100 ml and another at 110 ml.
Distillation support	
Material	An asbestos board is typically used.
Dimensions	Approximately 120 mm in diameter and 6 mm thick.
Central hole	A circular hole, about 65 mm in diameter, supports the boiling flask. This prevents the flame from heating the flask's surface above the liquid level, which could cause superheating.
Heating element	
Type	A gas burner with a controllable flame.
Purpose	The burner must provide sufficient and consistent heat to allow 110 ml of liquid to be distilled over a specific period of 19–21 minutes.

Additional components	
Pumice stone	Grains (1.4 to 2.0 mm diameter) are added to the boiling flask to ensure smooth, controlled boiling.
Filter paper	Used to filter the distillate. A Whatman No. 4 filter paper (or equivalent), 9 cm in diameter, is standard.
Retort stand and clamps	For securely holding the glassware setup.
Glass beads	Sometimes used as an alternative to pumice for facilitating boiling.

Annexure XI: Compliance sheet for Technical Proposal

Compliance Sheet for all Equipment

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 licenses mentioned in the bid. If written then bid will be rejected)	Brand name(only For importer)	Medical devices/ import license	MSME/SSE	Remarks, If any
A	B	C	D	E	F	G

Appendix XII: Place of delivery

Place Of Delivery	35 Public Health Labs in Maharashtra
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Signature

Date

Place

Annexure-XIII: Self Declaration Affidavit (on Rs.500/- 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,
1st 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 1st 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 Equipment for SNCU/NBSU** (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
1st Floor, Arogya Bhawan
P. D'Mello Road, Mumbai- 400001

Dear Sirs.

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)

MMGPA TENDER

Appendix II: Commercial Proposal Templates

II. 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
High END Equipments ICP – MS (With Accessories and suitable computer and power backup, CRM, Total Installation Arrangement, Central Cooling System and 5 Yr. CMC)	Nos.	1					
Flame Photometer	Nos.	6					
Digital Butyro Refractometer	Nos.	10					
Homogenizer	Nos.	3					
Fume Hood	Nos.	10					
Flashpoint Apparatus	Nos.	13					
Hot Air Oven (Upto 300 degree celsius)	Nos.	14					
Muffle Furnace	Nos.	10					
UV Cabinet with long & Short-wave UV Lamps	Nos.	10					
Multifunction Shaker	Nos.	01					
Soxhlet Extraction Unit (Closed Unit)	Nos.	08					

Deep Freezer 500 Lit	Nos.	10					
Electronic Colony Counter (Imported)	Nos.	10					
Membrane Filtration Apparatus	Nos.	10					
Stomacher	Nos.	3					
Refrigerated Centrifuge Machine	Nos.	3					
Probe Sonicator	Nos.	3					
Vortex Mixer	Nos.	4					
Autoclave Vertical	Nos.	10					
Split Air Conditioner (1.5 ton) for instrument Section	Nos.	10					
Seriological Water bath digital temp	Nos.	20					
Kjeldahl Digestion & Distillation Unit	Nos.	6					
Elisa Reader & Washer	Nos.	4					
Turbidity Meter	Nos.	15					
Refrigerator 600 ml	Nos.	15					
Refrigerator 200 ml	Nos.	25					
Dean & Stark Apparatus	Nos.	10					
Volatile Oil Apparatus	Nos.	10					
SO2 Apparatus (Modified Monier Williams)	Nos.	10					
R M Value Assembly as per IS 548 Part – I (with 3 nos R M Value Flask)	Nos.	10					

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

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

Sr. No.	Financial Year	Unit	Unit Price offered in other Bids/ Tenders/Rate contracts (in Rs.)
1.	2023-24		
2.	2024-25		
3.	2025-26		

Additional rows for information of other years can be inserted.

Signature

Seal

Annexure-XVIII Checklist

Make and Model with country of origin

Sr. No.	Equipment Name	Make	Model	Country of Origin
1	High END Equipments ICP – MS (With Accessories and suitable computer and power backup, CRM, Total Installation Arrangement, Central Cooling System and 5 Yr. CMC)			
2	Flame Photometer			
3	Digital Butyro Refractometer			
4	Homogenizer			
5	Fume Hood			
6	Flashpoint Apparatus			
7	Hot Air Oven (Upto 300 degree celsius)			
8	Muffle Furnace			
9	UV Cabinet with long & Short-wave UV Lamps			
10	Multifunction Shaker			
11	Soxhlet Extraction Unit (Closed Unit)			
12	Deep Freezer 500 Lit			
13	Electronic Colony Counter (Imported)			
14	Membrane Filtration Apparatus			
15	Stomacher			
16	Refrigerated Centrifuge Machine			
17	Probe Sonicator			
18	Vortex Mixer			

19	Autoclave Vertical			
20	Split Air Conditioner (1.5 ton) for instrument Section			
21	Seriological Water bath digital temp			
22	Kjeldahl Digestion & Distillation Unit			
23	Elisa Reader & Washer			
24	Turbidity Meter			
25	Refrigerator 600 ml			
26	Refrigerator 200 ml			
27	Dean & Stark Apparatus			
28	Volatile Oil Apparatus			
29	SO ₂ Apparatus (Modified Monier Williams)			
30	R M Value Assembly as per IS 548 Part – I (with 3 nos R M Value Flask)			

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 I)		
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		