Government of Maharashtra
Maharashtra Medical Goods Procurement Authority (MMGPA)

"Request for Proposal (RFP) for Supply, Installation and Commissioning of Equipments for RRSH Nashik and Amravati "

RFP Reference No.: E- 246/MMGPA/ Equipments for RRSH Nashik and Amravati (2025-26)

Date: 04.11.2025

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.mmgpa2023@gmail.com

Disclaimer

The information contained in this Tender Document or subsequently provided to Bidder(s), whether verbally or in documentary or any other form, by or on behalf of the Maharashtra Medical Goods Procurement Authority (MMGPA) or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this Tender Document subject to which such information is provided.

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

Information provided in this Tender Document to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The MMGPA accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

The MMGPA, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this Tender Document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the Tender Document and any assessment, assumption, statement or information contained therein or deemed to form part of this Tender Document or arising in any way for participation in this Tender Document.

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

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

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

Glossary

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

MAHARASHTRA MEDICAL GOODS PROCUREMENT AUTHORITY

Bid Notice

Tender reference No: E- 246 /MMGPA/ Equipments for RRSH Nashik and Amravati (2025-26)

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

Schedule of requirements:

Sr. No.	Equipment Name/Item Name	No.of units	Tender fee (Rs.)	EMD (Rs.)	Consignee and Delivery Address
1	Electro Hydrolic OT Table(C-Arm Compatible)	3	**50000+9000(GST @ 18%)**	**28,00,000/-**	Public Health institutions in the state of Maharashtra as detail in **Annexure-XII**
2	ULTRASONIC GENERATOR SYSTEM	2			
3	Gastro-Colonoscope with Flexible fiber optic Endoscope	2			
4	CAUTERY MACHINE WITH VESSEL SEALING AND SALINE RESECTION	1			
5	Leg Strirrups	1			
6	BOOK WALTER ABDOMINAL RETRACTOR	1			
7	BATTERY OPERATED OSCILLATING SAW	1			
8	ELECTRO CAUTERY MACHINE WITH VESSEL SEALING	2			
9	VIDEO COLONOSCOPY	1			
10	SURGICAL INSTRUMENT ASSORTED SET	1			
11	MICROSCOPE FOR PLASTIC AND RECONSTRUCTIVE VASCULAR SURGERY	2			
12	ANESTHESIA WORKSTATION WITH AGM MONITOR	4			
13	IBP, ECG, TEMP) with 10 beded Central Monitor station	2			
14	ADVANCED ELECTRO CAUTERY MACHINE WITH VESSEL SEALING	6			
15	HIGH-END VENTILATOR	10			
16	BATTERY OPERATED SAW	1			
17	DEFIBRILLATOR MACHINE	3			

18	STRESS TEST SYSTEM	2			
19	HEAD LIGHT BATTERY OPERTATED (4HR BACKUP PREFERRED SUOPTIC/LUX TECK)	1			
20	ABG MACHINE WITH CARTRIDGE	2			
21	TRANSOESOPHAGAL ECHO MACHINE	1			
22	PROSTATE MORCELLATOR	1			
23	MORCESCOPE	1			
24	PNEUMATIC LITHOTRIPTER WITH COMPRESSOR AND ACCESSORIES	1			
25	THULIUM FIBER LASER 60 WATTS	2			
26	Holmium Laser 120 watt with Fiber	1			
27	Nephroscope 19 FR	2			
28	Nephroscope 19.5 FR	2			
29	Nephroscope 22 FR	2			
30	Nephroscope 24 FR	2			
31	Cystoscope with Telescope 30degree degree 4mm	7			
32	Telescope 30degree degree10mm	2			
33	Telescope 0 degree degree10mm	1			
34	Nephroscope Peadiatric	1			
35	Ureteroscope Peadiatric	1			
36	Otis Urethrotome	2			
37	Monopolar Working Element	2			
38	Bipolar Working Element	2			
39	Ureteroscope 7.5-8Fr	3			
40	Autoclave Machine 4 Drum	2			
41	OT Table for Plastic Surgery	2			
42	Laproscope for Pead DT	1			
43	Rigid Branchoscope with complete trolley	1			
44	Flexible Branchoscope with complete trolley	1			
45	Digital DR Systems celing type 1000mA	1			
46	Digital DR Systems mobile	1			
47	C-Arm Machine	1			

48	Advance Electrosurgical Cautery Machine	1			
49	Flexible Ureteroscope with accessories	1			
50	Laser Resectoscope set with with its complete accessories	1			
51	Disposable fexible ureteroscope with with its complete accessories	1			
52	Donner camp chair for Outdoor camp	17			
53	Blood Storage Regrigerator 2-8 degree celsius (1000 blood bag	2			
54	Plasma Deepfreezer (40 Degree)	2			
55	Deepfreezer(-26) for Ice Pack Making	1			
56	Donor Coach Automatic bed	10			
57	Blood Collection Monitor	10			
58	Automated component extractor	1			
59	Sterile Conecting device	1			
60	Fully Automated Apheresis equipment portable one	1			
61	Refrigerated Centrifused 16cups	2			
62	Deep Freezer 80 Celsius for Plasma	2			
63	Elisa Processor Fully automated 4 plate	1			
64	Fully Automated Biochemistry analysler With protien Test	1			

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

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

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

BID SCHEDULE

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

Sr. No.	Activity	Period
1.	Period of sale of Tender document/ Download	**From 04.11.2025 at 5.00 PM**
2.	Date for Submission of Queries	**Before Pre-bid meeting**
3.	Date of pre-bid meeting	**12.11.2025 at 4.00PM**
4.	Dates for uploading tender document	**From 04.11.2025 at 05.00pm to 26.11.2025 up to 02.00 pm**
5.	Last date and time for submission of tender:	**26.11.2025 at 2.00 pm**
6.	Date and time of openingof Envelope No.1	**27.11.025 at 2.00 pm**

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

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

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

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

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

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

Contents

Fact Sheet

Clause Reference	Topic
Commercial Bid Evaluation	***The method of selection is LCBS (Least Cost Based Selection-L1)***
Downloading RFP Document	RFP can be downloaded from https://mahatenders.gov.in.
Earnest MoneyDeposit (EMD)	Bidders are required to pay the EMD/Bid Security of ₹ 28,00,000/- 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 12.11.2025 at 4.00PM 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 *Each of the above documents must be uploaded in the format specified for this purpose*
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 26.11.2025 **02:00PM** will not be accepted bythe e-Tender portal.
Tender Fee	All bidders shall pay tender fee of **₹50000+9000(GST @ 18%)** In case of revision of the above-mentioned tender fee, bidders shall pay revised tender fee.

TERMS AND CONDITIONS:

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 Number1800-3070-2232. / 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.**

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. **Importer refers to a legal Entity such as a Company/ Society/ Trust/Partnership* firm *registered under applicable Act in India/ Government-owned enterprise or institution that engages in the process of bringing equipment or goods from outside India into the country's borders for commercial purposes.* *Importer itself shall be responsible for supply and maintenance of the equipment as per the terms of RFP and shall not engage any third party for the same)*	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.
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.

Sr. No.	Basic Requirement	Specific Requirement	Documents required
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 **₹28,00,000 /-** 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 (2022-23, 2023-24, 2024-25) shall be at least **Rs. 14 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.

Sr. No.	Basic Requirement	Specific Requirement	Documents required
10.	**Net Worth**	The net worth of the bidder in the financial year (2024-25) 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 14Cr.** 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 / Import Quantity**	Production Capacity of the Original Equipment Manufacturer must be minimum 1.5 times of the quoted order quantity in last one financial year.	Certificate of Statutory Auditor/Chartered Accountant For importers and Authorized distributors Certificate of Statutory Auditor/Chartered Accountant of OEM has to be submitted in Annexure III
13.	**Service center**	In case of Bidder being Manufacture**r**, 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

Sr. No.	Basic Requirement	Specific Requirement	Documents required
			CAMC/AMC period, if awarded.

2.1 Conflict of Interest

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

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

3. 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.

4. Corrigendum:

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

5. Pre-bid meeting:

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

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

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.

6. Amendment of bid document:

6.1. At any time prior to the deadline for Sale of bid, the Authority may amend the bid documents by issuing Addendum/Corrigendum.

6.2. 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.)

6.3. 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.

6.4. 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.

7. Submission of Bids:

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

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

7.1 Technical Bid (Envelope No. 1):

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

FOLLOWING DOCUMENTS ARE MANDATORY & SHOULD BE ENCLOSED IN SEQUENCE &

ORDER, in PDF only along with the table of content:

7.1.1. The instruments such as power of attorney, resolution of board etc. authorizing an officer of the bidder for signing the bid document.

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

7.1.3. 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.

7.1.4. Proof of Tender Fee/ EMD paid (if exempted appropriate copies for same)/ BG for EMD as per Annexure XVII.

7.1.5. 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. (2022-23, 2023-24, 2024-25) certified by the Auditor. If last year's Audit report is not finalized the Tenderer should submit Provisional Audit Report signed by Chartered Accountant.
- PAN and GST Registration certificate.
- Copy of the GST return of last quarter.
- Attested copy of valid registration made by manufacturer for offered product under Micro & Small, Medium Industries Development Act, 2006.
- EM-II certificates whenever necessary
- Electrical safety standards if required in Technical Specifications
- Incorporation / Registration Certificate of bidder
- All documents required as per point no. 2 eligibility criteria.
- All other documents as per the terms of RFP.

7.2 Commercial Bid (Envelope No. 2):

a) All Commercial offers must be submitted online https://mahatenders.gov.in. as per theinstructions 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.

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

9. Opening of Bid:

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

9.1. 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.

9.2. 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.

10. Period of Validity of Bid:

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

10.2. 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.

11. Earnest Money Deposit: (EMD)

11.1. All bids must be accompanied by Earnest Money Deposit (EMD – Online)

11.2. EMD should be in favor of "Maharashtra Medical Goods Procurement Authority, Mumbai".

11.3. 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

11.4. Bids that do not include the Earnest Money Deposit (EMD), unless exempted as per the RFP terms, will be promptly rejected.

11.5. Unsuccessful bidder's EMD will be discharged/ returned after award of contract to the Selected bidder.

11.6. The bidder shall not be entitled for any interest on EMD.

11.7. The Selected bidder's EMD will be discharged after signing the Contract and submitting the Performance Security Deposit as stipulated.

11.8. The EMD shall be forfeited or if bidder is exempted from EMD, the bidder may be debarred/ blacklisted under the following conditions.

11.8.1. Bidder fails to accept the purchase order.

11.8.2. If a bidder withdraws its tender at any stage during the bidding process.

11.8.3. 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

12. Prices:

12.1. 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.

12.2. 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.

12.3. **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.

12.4. 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.

12.5. **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.

13. Technical Specifications:

13.1. 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.

13.2. The bidder shall carefully read & understand the specifications mentioned in **Annexure X.**

14. Evaluation of bids:

14.1. 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.

14.2. The Authority shall scrutinize the documents mentioned above for its eligibility, validity, applicability, compliance, and substantiation including post qualification criteria as per bid document.

14.3. The Authority shall also analyze that there is no collusive or fraudulent practice involved in the entire tendering process amongst all the tenders received.

14.4. The technical scrutiny shall be on the basis of submitted substantiation documents and Medical Device Rules 2017 including allied standards of BIS codes.

14.5. 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.

2. AERB Certificate for equipments using ionizing radiation

14.6. 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.

14.7. 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.

14.8. Authority can call for original documents for verification and any other supporting documents.

15. Technical Qualification Criteria

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

15.1. Commercial Bid Evaluation

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

15.2. Final Selection

i. The Bidder submitting the lowest combined Commercial bid for all equipment shall be the L-1 Bidder based on the Least Cost methodology (the "L-1 Bidder"). The Bidder whose Proposal is adjudged as responsive and meets the requirements in its technical evaluation in accordance with this RFP and who quotes the lowest price in its Commercial bid shall ordinarily be declared as the selected Bidder (the "Selected Bidder"). In the event that the Authority rejects or annuls all the Bids, it may, in its discretion, invite all eligible Bidders to submit fresh Bids hereunder. In the case of two or more Bidders quoting the same value, the Bidder having the higher annual average turnover as per the eligibility criterion would be the first in sequence.

ii. In the event that 2 (two) or more Bidders are qualified in terms hereof as L-1 (the "Tie Bidders"), then such Bidder having the higher annual average turnover as per the eligibility criterion would be the first in sequence. Further, if Tie Bidders are found to be having the same average annual turnover also, then the number of projects undertaken in the last 03 (three) years shall be taken into consideration and the Bidder having the higher number of projects shall be awarded as Lowest Bidder. In case, Tie Bidders are found to be having the same number of projects undertaken also, then such Tie Bidders shall be asked to further submit a best and final offer quote ("Best and Final Offer") which shall be a lower price than their common L-1 quote for being eligible for consideration; and in such event lower price offered with respect to the L-1 quote among them shall be the Selected Bidder.

16. Performance Security Deposit & Contract.

16.1. 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.

16.2. 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.**

16.3. 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.

16.4. 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.

16.5. 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.

16.6. 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.

17. Proprietary data and Patent Rights :

17.1. 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.

17.2. 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.

18. Award of Contract:

18.1. 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).

18.2. The Authority will place supply orders on staggered basis if required during the contract period.

18.3. 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.

18.4. The Selected Bidder who is liable for award of contract should transfer the Performance Security as per Clause 16 of this RFP.

18.5. The Selected Bidder shall sign the Contract within a period of 15 (fifteen) days of issue of award of Contract.

19. 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.

20. 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 (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		One visits every three months (4 visits in a year) for periodic/preventive maintenance and

Sl. No.	Deliverable	Location for Delivery	Timelines
	Warranty/CMC		any time for attending repairs/break down calls.

21. Delivery Period:

Sr. No.	Item	Units	Period
1	Electro Hydrolic OT Table(C-Arm Compatible)	3	Within 60 days for goods manufactured in India and 90 days for Imported goods from the issue of the PO (Purchase Order).
2	ULTRASONIC GENERATOR SYSTEM	2	
3	Gastro-Colonoscope with Flexible fiber optic Endoscope	2	
4	CAUTERY MACHINE WITH VESSEL SEALING AND SALINE RESECTION	1	
5	Leg Strirrups	1	
6	BOOK WALTER ABDOMINAL RETRACTOR	1	
7	BATTERY OPERATED OSCILLATING SAW	1	
8	ELECTRO CAUTERY MACHINE WITH VESSEL SEALING	2	
9	VIDEO COLONOSCOPY	1	
10	SURGICAL INSTRUMENT ASSORTED SET	1	
11	MICROSCOPE FOR PLASTIC AND RECONSTRUCTIVE VASCULAR SURGERY	2	
12	ANESTHESIA WORKSTATION WITH AGM MONITOR	4	
13	IBP, ECG, TEMP) with 10 beded Central Monitor station	2	
14	ADVANCED ELECTRO CAUTERY MACHINE WITH VESSEL SEALING	6	
15	HIGH-END VENTILATOR	10	
16	BATTERY OPERATED SAW	1	
17	DEFIBRILLATOR MACHINE	3	
18	STRESS TEST SYSTEM	2	
19	HEAD LIGHT BATTERY OPERTATED (4HR BACKUP PREFERRED SUOPTIC/LUX TECK)	1	

20	ABG MACHINE WITH CARTRIDGE	2	
21	TRANSOESOPHAGAL ECHO MACHINE	1	
22	PROSTATE MORCELLATOR	1	
23	MORCESCOPE	1	
24	PNEUMATIC LITHOTRIPTER WITH COMPRESSOR AND ACCESSORIES	1	
25	THULIUM FIBER LASER 60 WATTS	2	
26	Holmium Laser 120 watt with Fiber	1	
27	Nephroscope 19 FR	2	
28	Nephroscope 19.5 FR	2	
29	Nephroscope 22 FR	2	
30	Nephroscope 24 FR	2	
31	Cystoscope with Telescope 30degree degree 4mm	7	
32	Telescope 30degree degree10mm	2	
33	Telescope 0 degree degree10mm	1	
34	Nephroscope Peadiatric	1	
35	Ureteroscope Peadiatric	1	
36	Otis Urethrotome	2	
37	Monopolar Working Element	2	
38	Bipolar Working Element	2	
39	Ureteroscope 7.5-8Fr	3	
40	Autoclave Machine 4 Drum	2	
41	OT Table for Plastic Surgery	2	
42	Laproscope for Pead DT	1	
43	Rigid Branchoscope with complete trolley	1	
44	Flexible Branchoscope with complete trolley	1	
45	Digital DR Systems celing type 1000mA	1	
46	Digital DR Systems mobile	1	

47	C-Arm Machine	1	
48	Advance Electrosurgical Cautery Machine	1	
49	Flexible Ureteroscope with accessories	1	
50	Laser Resectoscope set with with its complete accessories	1	
51	Disposable fexible ureteroscope with with its complete accessories	1	
52	Donner camp chair for Outdoor camp	17	
53	Blood Storage Regrigerator 2-8 degree celsius (1000 blood bag	2	
54	Plasma Deepfreezer (40 Degree)	2	
55	Deepfreezer(-26) for Ice Pack Making	1	
56	Donor Coach Automatic bed	10	
57	Blood Collection Monitor	10	
58	Automated component extractor	1	
59	Sterile Conecting device	1	
60	Fully Automated Apheresis equipment portable one	1	
61	Refrigerated Centrifused 16cups	2	
62	Deep Freezer 80 Celsius for Plasma	2	
63	Elisa Processor Fully automated 4 plate	1	
64	Fully Automated Biochemistry analysler With protien Test	1	

22. Place of delivery:

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

22A. Transfer of Title of Equipment with Accessories -

Unless otherwise stated in the contract, notwithstanding any inspection and approval by the consignee on the Selected Bidder's premises, or any payments made to the Selected Bidder, property in the equipment (and resultant rights and liabilities) shall not pass on to the consignee until the equipment have been received, inspected, and accepted by the consignee or its representative. The equipment and every constituent part thereof, whether in the possession or control of the consignee, his agents or servants or a carrier, or the joint possession of the Selected Bidder, his agents or servants and the consignee, its agents, or servants, shall remain in every respect at the risk of the Selected Bidder, until their actual delivery is

accepted by the consignee or its representative. The Selected Bidder shall alone be entitled and responsible for making claims against any carrier in respect of non-delivery, short delivery, mis-delivery, loss, destruction, damage, or deterioration of the equipment entrusted to such carrier by the Selected Bidder for transmission to the consignee or its representative.

22B. Insurance

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

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

23. 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 a 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.

24. Warranty Period:

a) The "Complete System" shall remain under warranty period of 3 years from the date of satisfactory installation. The Complete System should include the basic unit and allied supporting components to be supplied by the bidder along with basic unit.

b) During warranty period, bidder shall provide at least four maintenance visits per year at regular interval for usual maintenance and supervision. If bidder fails to provide these maintenance visits at regular interval, a proportionate deduction in the form of damages on pro-rata basis will be recovered from the bidder from the Performance Security amount in accordance with KPIs. In case the Performance Security is not adequate, Authority shall have right to recover the losses / damages from other sources as well.

c) Bidder shall also attend all breakdown calls within 3-7 days of the receipt of the information from Consignees through fax/e-mail/mobile/SMS etc.

d) During warranty period, bidder shall maintain and keep 95% uptime per year of the "Complete System." as per calculation given below: -.

1 Year = 365 days

95% of 365 days = 347 Days per annum

e) The bidder shall compensate the uptime less than the specified above for every additional day of down time over and above 18 days stipulated above, warranty period will get extended by one week as penalty at no extra cost i.e., the extended penalty period will be equal to one week for every additional day of down time.

f) During warranty period, bidder will make the "Complete System" in satisfactory working condition. In

case, any spare parts need replacement due to normal wear and tear, bidder will supply and install the same for which no additional payment is to be made. If any spares / accessories / consumables etc. are not replaced by the bidder during warranty period, bidder should mention it clearly with name of the items with frequency of replacement and its rate with a validity to cover warranty period.

g) In case, the bidder is not able to provide services (and the items / accessories is not functioning as the reason thereof) due to natural calamity (act of God), Political unrest, Riot and fire at the user site, then in such a situation the warranty period will be extended by the period for which the item / accessories could not be operated because of supplier not been able to provide services.
h) During warranty period, in case of any alleged damage due to accident / human error, a committee under the Chairmanship of CEO, MMGPA, Mumbai with one member from the bidder and one member from the Authority will decide the authenticity of the claim. The decision of the committee shall be final and binding on both the parties.
i) Replacement of equipment's/ parts and service thereof due to manufacturing defects during warranty period will be entirely at the supplier's cost. The expenditure incurred on account of transport, installation, commissioning, and various duties involved in the replacement of equipment's/ parts shall be borne by the supplier.

25. After Sales Services: -

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

1 Year = 365 days

95% of 365 days = 347 Days per annum

f) The bidder shall compensate the uptime less than the specified above for every additional day of down time over and above 18 days stipulated above, warranty period will get extended by one week as penalty at no extra cost i.e., the extended penalty period will be equal to one week for every additional day of down time.
g) During Comprehensive Annual Maintenance Contract, **bidder** will make the "**Complete System"** in satisfactory working condition. In case, any spare parts, PCB etc. needs replacement due to normal wear and tear; bidder will supply and install the same for which no additional payment is to be made. **If any spares / consumables / accessories etc. are not covered under Comprehensive Annual Maintenance Contract charges, it should be clearly mentioned with frequency of replacement and with rate. The validity of rate of such items should also be mentioned clearly. What will be the rate of escalation on the quoted rate after expiry of the validity of rate of such item must be mentioned.**
h) The payment of Comprehensive Annual Maintenance Contract will be made on half yearly basis after submission of satisfactory functioning report of the Complete System by the officials authorized by the Authority.
i) In case, the **bidder** is not able to provide services (and the items / accessories is not functioning as the reason thereof) due to natural calamity (act of God), Political unrest, Riot and fire at the user site, then in such a situation the Comprehensive Annual Maintenance Contract will be extended by the period for which the item / accessories could not be operated because of supplier not been able to provide services.
j) During Comprehensive Annual Maintenance Contract, in case of any alleged damage due to accident / human error, a committee under the Chairmanship of CEO, MMGPA, Mumbai, with one member from the bidder and one member from the Authority will decide the authenticity of the claim. The decision of the committee shall be final and binding on both the parties.

26. Comprehensive Annual Maintenance Contract:

a) The decision to enter into CMC or AMC will be determined on the basis of cost and complexity of the equipment by the Tender Inviting Authority, at its discretion, prior to the expiration of warranty period. In case if it is decided by Authority to enter into CAMC contract, the vendor will have to submit CAMC agreement at the time of supply of items. The Performance Security Deposit for CAMC contract will be 10% of the CAMC cost.

b) The Comprehensive Maintenance Contract (CMC) is otherwise an extended warranty. All the terms and conditions agreed by the successful Bidder for executing the comprehensive warranty of the equipment shall be extended during the period of CMC, only difference being the payment of CMC charges is absent during the period of comprehensive warranty.

c) The cost of CMC, accessories, spares, and consumables as in case may be quoted along with taxes applicable, if any. The taxes to be paid extra, to be specifically indicated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.

d) Failure/refusal on the part of the successful tender supplying/installing the equipment's to enter into CMC with the Tender Inviting Authority, at the end of the Comprehensive Warranty Period, if the Authority, as the case may be, desires so, shall lead to forfeiture of performance security and may also result in the blacklisting/debarring of the Bidder.

e) The payment of the agreed CMC charges will be made as per frequency for payment after satisfactory completion of said period, on receipt of service report/ break down report from the user.

f) The Bidder shall also have to submit whether periodic replacements of consumable items are required for proper functioning of their quoted machine/Equipment? If yes, they should submit the list of such consumables along with price list and frequency of replacement per year if the same is not included in quoted
Comprehensive Annual Maintenance Contract charges per year.

g) The tenderer will have to agree to enter into an Annual Maintenance Contract (AMC)@ 0.5% per year of the Order value of the machinery / equipment (excluding taxes).

h) Where required, tenderer will have to agree for Comprehensive Maintenance Contract (CMC) inclusive of all spares @ 5% of the Order value (excluding taxes) of the equipment per year. The period of such AMC / CMC will be of 7 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.

Sr. No.	SLA Description	Resolution Target	Liquidated Damage (LD)
			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
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	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)
	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.		

27. Demonstration:

Demonstration of quoted product is mandatory for technically qualified bidders before the opening of financial bid. Such bidders shall produce the quoted product for demonstration on the date (approximately within 7 days from the date of declaration of technically qualified bidder) and at the place specified by the MMGPA, Mumbai, India. If the concerned bidder fails to do so, the said bid will be summarily rejected and the EMD will be forfeited. If demonstration / testing of equipment offered by the bidder is found to be non-satisfactory, then the said bid will not be considered, and the bid will be rejected.
In case of Equipment for which it is not possible to arrange demonstration at the MMGPA due to technical reasons like requirement of regulatory certificates and bulky equipment, demonstration shall be arranged at the site where the equipment is stored by the bidder. Demonstration of such equipment shall be done on the date (approximately within 7 days from the date of opening of technical bid) and at the place specified by the MMGPA, Mumbai, India. If the concerned bidder fails to arrange the product for the demonstration, or after the demonstration, the said product does not satisfy the test, the bid of the said bidder will be rejected and EMD will be forfeited. The decision to arrange Demonstration onsite shall be at the sole discretion of CEO, MMGPA and will be binding on all the bidders. The cost of arranging the demonstration shall be borne by the bidder.

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

28. 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.

29. Consequences of default by Bidder:

29.1. **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.

29.2. **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.

29.3. **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.

29.4. **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.

29.5. **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.

29.6. 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.

29.7. 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.

30. Third Party Inspection: -

30.1. 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

31. Force Majeure:

If, at any time, during the continuance of this contract the performance in whole or in part by either party of any obligation under this contract shall be prevented of 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 it 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 there of as the purchaser may deem fit accepting such material, bought out components and stores as the contractor may with the concurrence of the purchaser elect to retain.

32. Confidentiality:

32.1. 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

32.2. other persons not officially concerned with such process until the notification of Contract award is made.

32.3. 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.

33. Payment:

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

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

i. 3 copies of supplier's invoice.
ii. Acceptance certificates issued by the consignees.
iii. Payments towards the supply of Items will be made strictly as per the rules of MMGPA, Mumbai. The payment will be made through RTGS/ NEFT. The bidder shall furnish the relevant details to make the payment through RTGS/NEFT and the change of Bank Account during the validity of the bid will not be entertained normally.

iv. The bidder must furnish CRC (Consignee Receipt certificate) IQ, PQ and OQ certificate approved, signed and stamped by the Authorized Consignee.

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

34. Corrupt or Fraudulent Practices:

34.1. The Authority as well as bidders shall observe the highest standard of ethics during the procurement and execution of such contracts.

34.2. "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.

34.3. 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.

34.4. "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.

34.5. "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.

34.6. 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.

35. Resolution Of Dispute:

35.1. 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.

36. Arbitration:

36.1. 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.

36.2. 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.

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

38. Applicable laws:

The contract shall be governed in accordance with the law prevailing in India, Act, Rules, Amendments, and

orders made there on from time to time.

39. Indemnification:

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

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

41. Saving clause:

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

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

I. General

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

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

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

Annexure I: Letter Comprising the Technical Bid
Annexure II: Compliance Sheet for Pre-qualification Proposal
Annexure III: Proforma for Production And Sale Statement
Annexure IV: Annual Turnover statement for three years
Annexure V: Details of Manufacturing unit
Annexure VI: Contract Form
Annexure VII: Undertaking for rates, specification, blacklisting status on Stamp paper duly notarized
Annexure VIII: Mandate Form
Annexure IX: Power of Attorney for signing of Bid
Annexure X: Technical Specifications
Annexure XI: Compliance sheet for Technical Proposal
Annexure XII: Place of delivery
Annexure XIII: Self Declaration Affidavit (on Rs.100/- Stamp Paper)
Annexure XIV: Manufacturer's Authorization Form
Annexure XV: Format for EMD Bank Guarantee if not submitted online.
Annexure XVIII: Checklist duly filled and signed by the bidder's Authorized representative.

Annexure I: Letter Comprising the Technical Bid

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

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

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

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

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

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

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

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

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

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

Date: _____
In the capacity of _____
Duly authorized to sign this bid for and on behalf of _____

Signature & stamp of bidder

Annexure II: Compliance sheet for Pre-Qualification Proposal

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

Sr. No.	Basic Requirement	Specific Requirement	Documents required
1.	**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. **Importer refers to a legal Entity such as a Company/ Society/ Trust/Partnership* firm *registered under applicable Act in India/ Government-owned enterprise or institution that engages in the process of bringing equipment or goods from outside India into the country's borders for commercial purposes.* *Importer itself shall be responsible for supply and maintenance of the equipment as per the terms of RFP and shall not engage any third party for the same)*	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

Sr. No.	Basic Requirement	Specific Requirement	Documents required
			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 ₹ 28,00,000/- 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.

Sr. No.	Basic Requirement	Specific Requirement	Documents required
9.	**Average Annual Turnover**	Average Annual Turnover (in last three financial years (2022-23, 2023-24, 2024-25) shall be at least **Rs 14 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 (2024-2025) 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 14 Cr.** during last three financial years (2022-23, 2023-24, 2024-25)	The Bidder shall provide the documentary evidence in support of its credentials such as agreement copy/ work order / Letter of Award. This should be supported by work completion certificate/customer satisfaction certificates with customer details and client certificate. Statutory auditor's certificate or Chartered Accountant's certificate, as the case may be, shall be submitted for demonstrating the past experience. (as per Annexure number III)
12.	**Production Capacity / Import Quantity**	Production Capacity of the Original Equipment Manufacturer must be minimum 1.5 times of the quoted order quantity in last one financial year.	Certificate of Statutory Auditor/Chartered Accountant For importers and Authorized distributors Certificate of Statutory Auditor/Chartered Accountant of OEM has to be submitted in Annexure III
13.	**Service center**	In case of Bidder being Manufactur**er**, 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

Sr. No.	Basic Requirement	Specific Requirement	Documents required
			awarded. The Importer/Authorized Distributor shall provide an undertaking from OEM that OEM shall have at least 2 service centers for the period of warranty as mentioned and also, during the additional CMC/AMC period, if awarded.

Annexure III: Proforma for Production And Sale Statement

(For a period of last 3 Years)

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

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

Add rows as per requirement.

Note:

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

2. All the data provided in the above table has been verified by undersigned CA.

Name, Membership number and signature of the Chartered Accountant:
UDIN:
Name and seal of the firm:
Location, Date:
Authorized Signature *(PoA holder)*
[In full and initials with Seal]:
Name and Title of Signatory:
Name of Bidder (*Firm/ Organization's name*):
Address:
Telephone:
Email:
(Name and seal of the Bidder)
[*Location, Date*]
Disclaimer: If, 1. The bidder is OEM , then the details of Annexure III of production in last three years
The bidder is Authorized distributor, then the details of Annexure III of sale in last three years

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

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

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

Sr. No.	Year	Turnover (In Rs.)	Positive Net worth (*Yes/ No*)
1	**2022-23**		
2	**2023-24**		
3	**2024-25**		
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., (2022-23, 2023-24, 2024-25) as per the Audited Financial Statements.

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

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

Note:

(a) 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.

(b) Provide supporting Audited Financial Statements (Balance Sheets, Profit and Loss Statements, etc.) of the bidding organization/ firm.

Name, Membership number and signature of the Chartered Accountant:
UDIN
Name and seal of the firm:
Location, Date:

Authorized Signature *(PoA holder)*
[In full and initials with Seal]:
Name and Title of Signatory:
Name of Bidder (*Firm/ Organization's name*):
Address:
Telephone:
Email:
(Name and seal of the Bidder)
[*Location, Date*]

Annexure V: Details of Manufacturing Unit

1. **Name of the Manufacturer:**

2. **Full address:**

3. **Phone Nos.:**

4. **Fax No.:**

5. **Email ID:**

6. **Date of inception:**

7. **License No. & date:**

8. **Issued by:**

9. **Valid up to:**

10. **RTGS (Real Time Gross Settlement) System or Core Banking A/c No.:**

11. **Details of installed production capacity for 1 year:**

Sr. No.	Equipment name	Total Production Capacity	Actual Production	Installed Quantity
1	Electro Hydrolic OT Table(C-Arm Compatible)			
2	ULTRASONIC GENERATOR SYSTEM			
3	Gastro-Colonoscope with Flexible fiber optic Endoscope			
4	CAUTERY MACHINE WITH VESSEL SEALING AND SALINE RESECTION			
5	Leg Strirrups			
6	BOOK WALTER ABDOMINAL RETRACTOR			
7	BATTERY OPERATED OSCILLATING SAW			
8	ELECTRO CAUTERY MACHINE WITH VESSEL SEALING			
9	VIDEO COLONOSCOPY			
10	SURGICAL INSTRUMENT ASSORTED SET			
11	MICROSCOPE FOR PLASTIC AND RECONSTRUCTIVE VASCULAR SURGERY			
12	ANESTHESIA WORKSTATION WITH AGM MONITOR			
13	IBP, ECG, TEMP) with 10 beded Central Monitor station			
14	ADVANCED ELECTRO CAUTERY MACHINE WITH VESSEL SEALING			
15	HIGH-END VENTILATOR			
16	BATTERY OPERATED SAW			
17	DEFIBRILLATOR MACHINE			
18	STRESS TEST SYSTEM			
19	HEAD LIGHT BATTERY OPERTATED (4HR BACKUP PREFERRED SUOPTIC/LUX TECK)			
20	ABG MACHINE WITH CARTRIDGE			
21	TRANSOESOPHAGAL ECHO MACHINE			

22	PROSTATE MORCELLATOR			
23	MORCESCOPE			
24	PNEUMATIC LITHOTRIPTER WITH COMPRESSOR AND ACCESSORIES			
25	THULIUM FIBER LASER 60 WATTS			
26	Holmium Laser 120 watt with Fiber			
27	Nephroscope 19 FR			
28	Nephroscope 19.5 FR			
29	Nephroscope 22 FR			
30	Nephroscope 24 FR			
31	Cystoscope with Telescope 30degree degree 4mm			
32	Telescope 30degree degree10mm			
33	Telescope 0 degree degree10mm			
34	Nephroscope Peadiatric			
35	Ureteroscope Peadiatric			
36	Otis Urethrotome			
37	Monopolar Working Element			
38	Bipolar Working Element			
39	Ureteroscope 7.5-8Fr			
40	Autoclave Machine 4 Drum			
41	OT Table for Plastic Surgery			
42	Laproscope for Pead DT			
43	Rigid Branchoscope with complete trolley			
44	Flexible Branchoscope with complete trolley			
45	Digital DR Systems celing type 1000mA			
46	Digital DR Systems mobile			
47	C-Arm Machine			
48	Advance Electrosurgical Cautery Machine			
49	Flexible Ureteroscope with accessories			
50	Laser Resectoscope set with with its complete accessories			
51	Disposable fexible ureteroscope with with its complete accessories			
52	Donner camp chair for Outdoor camp			
53	Blood Storage Regrigerator 2-8 degree celsius (1000 blood bag			
54	Plasma Deepfreezer (40 Degree)			
55	Deepfreezer(-26) for Ice Pack Making			
56	Donor Coach Automatic bed			
57	Blood Collection Monitor			
58	Automated component extractor			
59	Sterile Conecting device			
60	Fully Automated Apheresis equipment portable one			
61	Refrigerated Centrifused 16cups			
62	Deep Freezer 80 Celsius for Plasma			
63	Elisa Processor Fully automated 4 plate			
64	Fully Automated Biochemistry analysler With protien Test			

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 thisAgreement, 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 servicesand to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Authority hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
6. Upon breach by the supplier of any of the condition of the agreement, the Chief Executive Officer may by a notice in writing resolving, determine and put an end to this agreement without prejudice to the right of the Government to claim damages for antecedent breaches thereof on the part of the supplier and also to responsible compensation for the loss occasioned by the failure of the supplier to fulfill the agreement as certified in writing by the Chief Executive Officer which certificate shall to conclusive evidence of the amount of such compensation payable by the supplier to the Government.
7. This Agreement shall remain in force until the expiry of 24 (Twenty Four) months from the date of supply or delivery of all equipment under the Contract but notwithstanding herein or in the tender and acceptance forms

contained, the Government shall not be bound to take the whole or any part of the estimated quantity herein or therein mentioned and may cancel the contract at any time upon giving one month's notice in writing without compensating the Supplier.

8. The Supplier has fully read, understood & shall abide by all the term and conditions as stipulated in Bidder document, failing which the Contract Agreement is liable to be terminated at any time without assigning any reason by the Maharashtra Medical Goods Procurement Authority, Mumbai.
9. Any change/amendments if required to be incorporated in the Agreement at a later stage shall be discussed & mutually agreed by both the parties and supplementary agreements shall be binding on both the parties and shall form the part of this agreement.
10. This Contract Agreement shall be governed by and construed in accordance with the laws of Republic on India.

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

Sr. No.	BRIEF DESCRIPTION OF GOODS & SERVICES	QUANTITY TO BE SUPPLIED*	UNIT PRICE	TOTAL PRICE	DELIVERYTERMS
					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.
3.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 accordancewith their respective laws the day and year first above written.
Signed, Sealed and Delivered by the Said. (For the Authority) in the presence of:.....
Signed, Sealed and Delivered by the Said..... (For the Supplier) In the presence of….

Following documents to be submitted in original to this office

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

Address for communication:

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

Annexure VII: Non-Blacklisting Affidavit

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

Reference: Tender No. E- 246 /MMGPA/ Equipments for RRSH Nashik and Amravati (2025-26)

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

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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 SPECIFICATION FOR ADVANCED ELECTRO CAUTERY MACHINE WITH VESSEL SEALING

1	Unit should be Advanced Microcontroller based Technology.
2	Unit should have isolated Monopolar and Bipolar Outputs
3	Unit should have HF leakage monitoring system.
4	Unit should have Equipotential socket for Earth Potential Equalization
5	Unit should have HF Time-Out Facility to prevent accidental activation
6	Unit should be 400W In Monopolar Cut and max. 120W in Bipolar
7	System should have LCD Touchscreen Display of size 7 inch or more.
8	System should have atleast 2 Monopolar sockets, 1 Bipolar socket and 1 Vessel Sealing socket.
9	Unit should have facility to store 150 programs with surgeons name and procedure name displayed
10	Two hand switch connecting Facility with independent coagulation mode and power settings
11	Unit should have Split Type Patient Plate Contact-Quality Monitoring System for maximum Patient Safety. Unit Should Have Audio-Visual Error indication.
12	System should be upgradable to Argon Plasma Coagulation AND Saline Resection without the need for separate machine.
13	System should have atleast 4 Monopolar Cut modes including the following modes:
a.	Pure Cut
b.	Lap Cut
c.	Blend
d.	Endo Cut
14	System should have atleast 5 Monopolar Coagulation modes including the following modes:
a.	Dessicate
b.	Fulgurate
c.	Spray
d.	Soft
e.	Auto
15	System should have atleast 4 Bipolar modes (Max. Power: 120W) including following modes:
a.	Standard
b.	Micro
c.	Macro
d.	Auto Start/ Stop
16	Unit should have Hi spray, Low spray, and Randomized spray options
17	System should have atleast 3 Levels in Monopolar Blend mode.
18	System should have atleast 3 Levels in Monopolar EndoCut mode.
19	System should have Vessel Sealing feature and atleast 5 Levels should be available.
20	System should be safety certifications of IEC 60601-1, IEC 60601-1-2, IEC 60601-2 2.
21	System should be European CE certified with 4 digit Notified Body.
22	Company should be ISO 9001 & ISO 13485 certified company for manufacturing and supply of Electro- Medical Equipment

23	System should be provided with following accessories:
a.	Wireless Footswitch - 01 no.
b.	Reusable Monopolar Handswitch Pencil - 01 nos.
c.	Reusable Foot-Operated Monopolar Pencil with 5 Electrodes - 01 nos.
d.	Reusable Bipolar Cable - 01 nos.
e.	Laparoscopic Vessel Sealing Handle - 01 no.
f.	Insert for Laparoscopic Vessel Sealing - 01 nos.
g.	Reusable Single Pad Patient Plate with Cable - 1 no.
h.	Reusable Vessel Sealing Clamp for Open Surgery with Cable - 1 nos.
i.	Reusable Bayonet Bipolar forceps with Cable, - 1 nos.

TECHNICAL SPECIFICATION FOR ULTRASONIC GENERATOR SYSTEM

1	System should have touch screen display for easy operation and buttons for functional operation in case of touch screen failure.
2	System should function Ultrasonic energy technology for fast tissue dissection.
3	System should have capability of operating with hand switch and footswitch.
4	System should have warning system for malfunctioning hand piece or shear.
6	System should provide Class 1 protection against electric shock.
7	System should be provided with a footswitch that is atleast IP65 ingress protected from NABL Lab. Certificate
8	System should be able to power ultrasonic energy instruments with 55.5 KHz Frequency.
9	System should have standby mode to ensure safety.
10	System should have atleast 5 ultrasonic power setting levels.
11	System should have potential equalization terminal.
12	System should be compatible for Open and Laparoscopic Surgery with respective instruments.
13	All hand probes for open and lap procedures should be able to simultaneously cut and coagulate tissues with integrated hand activation control buttons.
14	System should have universal input power supply, 110-220V input.
15	System should conform to international standards IEC 60601-1, IEC 60601-1-2 and IEC 60601-1-8.
16	Manufacturing company should be ISO 13485 & ISO 9001 certified for Ultrasonic surgical generators.
17	Accessories to be provided:
a	Wireless Footswitch – 01 No.
b	Hand Piece/ Transducer – 01 No.
c	Indian Main Cord – 01 No.
d	Disposable Ultrasonic 36cm hand activated curved tip shear – 01 No.
e	Disposable Ultrasonic 14cm hand activated curved tip shear – 01 No.

24 System should be provided with following accessories:

a. Wireless Footswitch - 01 no.
b. Reusable Monopolar Handswitch Pencil - 01 nos.
c. Reusable Foot-Operated Monopolar Pencil with 5 Electrodes - 01 nos.
d. Reusable Bipolar Cable - 01 nos.
e. Laparoscopic Vessel Sealing Handle - 01 no.
f. Insert for Laparoscopic Vessel Sealing - 01 nos.
g. Reusable Single Pad Patient Plate with Cable - 1 no.
h. Reusable Vessel Sealing Clamp for Open Surgery with Cable - 1 nos.
i. Reusable Bayonet Bipolar forceps with Cable, - 1 nos.

SPECIFICATION FOR ELECTRO-SURGICAL UNIT WITH MONOPOLAR & BIPOLAR FACILITY

1. Unit should be advanced – Microcontroller based Technology.
2. Should have last activated program storing facility
3. Unit should 7" inch color Touch-screen display.
4. Unit should perform self test During Power ON.
5. Unit should have isolated Monopolar and Bipolar Outputs.
6. It should have Operating Frequency in a range of 330-500Khz
7. Unit should have Split Type Patient Plate Contact-Quality Monitoring System for maximum Patient Safety.
8. Unit Should Have Audio Visual Patient plate Error Monitoring System.
9. Unit should be 400W In Monopolar Cut for under water procedure.
10. Unit should have four modes in Monopolar Cut Namely Pure Cut, Low Cut (for laparoscopic procedure), Blend, Endo-Cut.
11. Unit Should Have Blend mode should be user settable, one should be able to set percentage of Cut and Coagulation effect in Blend Mode.
12. Unit Should Have Endocut for GYN/ Gastric type of procedure (mode with interrupted cutting, coagulation, Pause time).
13. Unit Should Have at least five Monopolar coagulation mode with at least One Monopolar Auto stop mode with soft coag.
14. Unit should have Hi spray, Low spray, Randomized spray options.
15. Unit should have 2 hand switch connectivity with individual power and mode selection for each handswitch. Also can be operated by hand switch or with footswitch by selection.
16. Fulgurate for Under water coagulation, Desiccate/Force for open and laparoscopic coagulation and soft mode for Pin point coagulation.
17. Unit should have at least Four Bipolar Mode including Cut, force, Micro and Auto- Start & Auto Stop Coagulation mode with 120W.
18. System should be provided with a footswitch that is atleast IP68 ingress protected from NABL Lab. Certificate.
19. Unit should have 3 Pedal Foot Switch. Preferable Wireless Footswitch.

20. Unit Should be Upgradable for In-built Argon Plasma Coagulation with Dual Argon Cylinder Connectivity.
21. Upgraded unit for Argon should show real time gas usage.
22. Unit should have 2 levels in fulgurate mode.
23. Unit should have facility to store at least 199 programs with surgeons name and procedure name displayed.
24. Unit should have HF leakage monitoring system.
25. Unit should have HF Time-Out Facility to prevent accidental activation.
26. Unit should be upgradable inbuilt to Vessel Sealing & under Saline Bipolar Plasma.
27. Company should be ISO 9001:2015 & ISO 13485-2016 certified for manufacturing and supply of Electro-Medical Equipment.
28. Unit should be European CE with 4 Digit certified by **Notified body.**
29. Unit should be provided with following accessories.

a) Reusable Handswitch Pencil – 01 No.
b) Dual/Split Pad Patient Plate w/ Cable (Disposable)(ADULT)– 05 Nos.
c) Three pedal Wireless foot switch – 01 No
d) Foot operated pencil with five electrodes – 01 No.
e) Bipolar forcep with cable – 01 No.

TECHNICAL SPECIFICATION FOR BATTERY OPERATED SAW

The Battery-Operated Saw consists of following items in 2 Set.
Saw Hand piece: 2 No Battery: 4 Nos
Charger: 2 No

Transferring: 4 Nos

Blades: 6 Nos

Bag: 2 No

Saw System –

The Saw Hand Piece is light weight and has a tool less attachment for blades. Saw Hand Piece is Autoclavable. Speed of the Saw Hand Piece is 20,000 rpm. Torque of the Saw Hand Piece is 2.5 Nm

Charger & Battery –

Has two single Station Chargers, which makes it easy to carry from one OT to another, if required.
Battery is Ni-Mh Battery, 14.4 Volts. Minimum Run time after each charge is 40 Minutes.

Charging time is minimum 1.5 Hrs. (Slower the charging time, better the life of battery.) There are 2 batteries provided with each hand piece. – (total 4 Battery)

TECHNICAL SPECIFICATIONS FOR BATTERY OPERATED OSCILLATING SAW

The Battery-Operated Oscillating Saw consists of following items in 1 Set. Saw Hand piece: 1 No

Battery: 2 Nos

Charger: 1 No

Transferring: 2 Nos

Blades: 3 Nos

Bag: 1 No

Saw System --

The Saw Hand Piece is light weight and has a tool less attachment for blades. Saw Hand Piece is Autoclavable.

Speed of the Saw Hand Piece is 20,000 rpm. Torque of the Saw Hand Piece is 2.5 Nm

Charger & Battery --

Has two single Station Chargers, which makes it easy to carry from one OT to another, if required. Battery is Ni-Mh Battery, 14.4 Volts. Minimum Run time after each charge is 40 Minutes.

Charging time is minimum 1.5 Hrs. (Slower the charging time, better the life of battery.) There are 2 batteries provided with each hand piece.

TECHNICAL SPECIFICATIONS FOR SURGICAL HELMET

Descriptions	Units
Weight without LED	470g
Weight with LED	490g
Relative Noise	54 dBA - High Fan Setting
Air Flow	15.1 Cfm
Fan Speed	3200~4000 rpm
Air outlet angle adjustment	Yes
Build-in LED Light yes	Yes
Battery Voltage	10.8V / 28W Lion
Battery Charger	4 Station Charger
Battery voltage level indicator	Yes
Fan speed control level	High and Low
Light Intensity	40,000 lux
Battery Charger	Single Station & Four Station

TECHNICAL SPECIFICATION FOR HD VIDEO ENDOSCOPY SYSTEM CONSISTING OF VIDEO GASTROSCOPE, VIDEO COLONOSCOPE AND HD VIDEO PROCESSOR WITH INBUILT LIGHT SOURCE (150WATT XENON OR MORE) AND 24INCH MEDICAL GRADE MONITOR

A. HD Video Processor with built in Xenon light source (150 watt or More).

1. It should be compact, lightweight Digital color video processor.
2. It should have single CCD color system
3. It should have xenon short arc lamp of 150W-300W with 3W LED as auxiliary lamp
4. It should have HD Image output such as DVI-D, RGBS Connectors, Y/C Connectors and Composite video connector as Video Out.
5. It should have facility for USB port on front and rear panel.
6. It should have following Power Requirements for operation
   Voltage – 230V
   Frequency 50/60 Hz
7. Weight of processor with light source should not exceed 15Kgs.
8. It should have facility for Image Enhancement Endoscope iscan/NBI OR FICE technology for better diagnosis.
9. It should have a freeze scan to temporarily select the best image
10. It should be able to view far off image with better brightness.
11. It should have facility of extra illumination for more light apart from normal brightness control.
12. Panel button should be feather touch.
13. Processor with in-built light source will be preferred.

B. IDEO GASTROSCOPE

1. It should have minimum of two to three remote switches on the control body.
2. Depth of field should be 5-100mm
3. It should have minimum 120° - 140° Field of View.
4. It should have Tip Deflection Up: 210° Down: 120°, Right: 120° & Left: 120°
5. Distal End Diameter should be minimum 9.8mm.
6. Insertion Tube Diameter should be 9.8mm
7. Minimum Instrument channel should be 2.8mm.
8. It should have Working length of 1050mm approximately.
9. Total length approx. 1360 mm.
10. It should have a rotatable PVE connector by 180^0 to avoid LG cable damage.

C. Video Colonoscope

1. It should have minimum of two to three remote switches on the control body.
2. It should have minimum 120° - 140° Field of View.
3. It should have Tip Deflection Up: 180° Down: 180°,
4. Right: 160° & Left : 160°

It should have a rotatable PVE Connector to avoid damage to LG Cable
Medical monitor 24"
Leakage Tester should be provided
Mobile Trolley with electrical sockets.
Endoscope Software to be supplied along with the system.
Computer and printer to connect with software.

TECHNICAL SPECIFICATION FOR VIDEO COLONOSCOPY

Video Colonoscope

1. It should have minimum of two to three remote switches on the control body.
5. It should be compatible with chromoendoscopy like NBI/Iscan/BLI.
6. It should have minimum 120° - 140° Field of View.
7. It should have Tip Deflection Up: 180° Down: 180°,
8. Right: 160° & Left : 160°
9. Distal End Diameter should be 13.4mm.
10. Insertion Tube Diameter should be 12.8mm

11. Minimum Instrument channel should be 3.8mm.
12. It should have Working length of 1700mm approximately.
13. Total length approx. 2010 mm.
14. It should have a rotatable PVE connector by 180 Deg to avoid damage to LG cable.

TECHNICAL SPECICATION FOR ANAESTHESIA WORKSTATION SPECIFICATION

Anaesthesia Workstation complete with Anaesthesia gas delivery system, Circle absorber, built in Anaesthesia ventilator should be from the same manufacturer. Isoflurane & Sevoflurane Vaporizer should be Food and Drug Administration certified.

Anaesthesia Workstation

- Should have provision for delivery of Oxygen, Nitrous oxide and Air with pressure gauges.
- Should have independent attachments for connecting central gas supply and cylinders.
- Should have PIN indexed Yoke system for O2 & N2O (One each), DISS/NIST Safety System for O2, N2O and AIR Central Pipe line inlets.
- Should have Pressure gauges for O2 & N2O supply from Cylinder and for O2, N2O, AIR from Central Pipe line. The gauges should be colour coded should be conveniently placed for easy viewing.
- Should have N2O cut off facility if O2 supply fails.
- Should have Oxygen failure alarm both Visual and Audible. Machine should give high priority alarm when O2 pressure falls below preset limit .High priority alarm should be distinguishable from normal alarm by way of colour coded messages or alarm lights (Visual) and separate audible tone (Audible)
- Should have high and low alarm setting for inlet Oxygen pressure with electronically measured value for inlet O2 pressure
- Should have 5 Tube flow meter – Two tubes each (cascaded) for O2, N2O and Single Tube for AIR. Back light should be provided for better visibility. Provision should be given for backlit ON/OFF function.

- Should have maximum flow settings up to 10 LPM for each gas.
- Oxygen and Nitrous oxide should be linked to ensure a minimum of 25% oxygen delivery at all times to avoid delivery of hypoxic mixture.
- Should be Low flow anaesthesia capable.
- Should have Oxygen Flush facility (25 – 75 LPM).O2 flush switch should be conveniently placed for easy accessibility.
- Should have back bar (Selectatec compatible) with interlocking facility.
- Should have provision for connecting two vaporiser. Vaporizer must be isolated from the gas flow in the off position and prevent the simultaneous activation of more than one vaporizer. Vaporiser must be temperature, pressure and flow compensated.

- Precision vaporisers for Sevoflurane should be supplied. Vaporisers shall be Temperature, Flow and Back Pressure compensated. It should be Food and Drug Administration Certified. Certificate should be enclosed.
- Should have selection switch for Open Circuit and Closed circuit operation.
- Should have ACGO Function (Auxiliary Common Gas Outlet) .One Common Gas Outlet for connecting Bain/Magill/JR Circuit . ACGO operation should be updated on the screen
- Should have leak proof compact and integrated circle absorber system with integrated Ascending bellow, Adjustable Pressure Limiting valve (2-70 cmH2O), Airway Pressure Measuring device (-20 to 100 cmH2O) and Bag/Vent switch for Bag to mechanical ventilation.
- Should have one step operation for changing Bag mode to Ventilator mode. Should start ventilation automatically in Ventilator position.
- Breathing system should have heater system to avoid water condensation.
- Circle absorber should have provision for attaching Oxygen Sensor to measure the percentage of Oxygen delivered to patient. Galvanic type Oxygen sensor should be supplied.
- Circle absorber should be easily removable without the help of any tools. Should alert the user in case improper fixing of absorber during start-up.
- Should have single soda lime canister of 1.5 litre capacity with facility to change the soda lime intraoperatively without introducing any system leak.
- Should have Anaesthesia Gas Scavenging System port
- Should have top shelf, two deep drawers and writing area.
- Should have 4 Castor wheels and should be durable. Front two wheels should have breaks.
- Should have a input power supply rating 150 ~ 240 VAC
- Automated pre use -check with help menu at start-up for checking leakage and compliance. Test Bypass facility should be provided for emergency use.
- The workstation must have integrated built-in ventilator capable of delivering precise ventilation for Adult, Paediatric patients with proportional solenoid valve technology.
- Single one step operation for manual to mechanical ventilation. Bag/Vent selection switch should be conveniently placed on Circle absorber. Should automatically turn on the ventilation when positioned to vent mode.

- Ventilator should be pneumatically driven and electronically controlled ventilator with ascending bellow. Same bellow shall be used for Adult and Pediatric patients.
- Should have Modes of Ventilation: Volume Control (VCV), Pressure Control Mode (PCV), SIMV/VC with PS , SIMV/PC with PS, PSV with Back up , Manual, and Standby.
- Should have tidal volume setting 20ml-1500ml ,Frequency 4-100 bpm , I:E 4:1-1:8 ,Inspiratory pause 5%-50% , Inspiratory Pressure 5-70 cmH2O
- Should have Dual flow sensing capability at inhalation and exhalation ports, Sensor should not require daily maintenance and should be of reusable type and autoclavable. Flow sensors should be housed inside the absorber system and not remoted via tubes from patient Y piece.
- Should display measured values for both Inspiratory and expiratory tidal volume on screen.
- Ventilator should have Fresh gas and Compliance Compensation.
- Should have Minimum 8" inch colour TFT display with navigating wheel for easy operation. Short cut keys should be provided for emergency functions.
- Should have Electronic PEEP OFF,4-20 cm H2O
- Should offer selection of Adult and Pediatric mode in standby with default ventilation setting and ventilation calculation based on Age and patient Body weight.
- Display parameter : Measured values for Inspiratory tidal volume, Expiratory tidal volume, Minute Volume, Mvspont, Ppeak, Pplat, Pmean, Freq,Fspont,I:E,FiO2, Compliance, Resistance.
- Should display three waveforms Pressure -Time, Volume –Time , Flow-Time and LOOPs for Pressure Vs Volume , Flow Vs Volume and Flow Vs Pressure
- Should have Internal Battery backup for minimum 300 Mnts – Battery should be Lithium battery (Environment Friendly)
- Should have Alarm system – Audio/Visual with colour coded alarm lights and messages.
- Should have Alarm setting for Tidal Volume, Minute Volume, Frequency, FiO2, Airway Pressure, Apnea , Inlet O2 pressure
- Machine should be Compact and light weight less than 100 Kg.
- Anesthesia workstation and Vaporisers should be European CE Approved with 4 digit notifying body number.
- Should have Anesthesia Gas analysing module and the measured parameters should

display on the anaesthesia machine ventilator screen as standard.

TEHNICAL SPECIFICATIONS FOR MULTIPARA MONITOR

1. Multiparameter patient monitor, which is suitable for use in Operation theatres, ICU & Wards.
2. Standard Configuration of ECG, Respiration, SpO2, NiBP, Temperature, IBP
3. Monitor can support field upgradable for parameters of ETCO2 & AGM
4. Should have 12-inch Color LCD Display.
5. Should have mode of operation: Rotary knob.
6. Should display 7 waveforms or more
7. Waveform colour can be changed from screen setup of the corresponding layout screen
8. **ECG:**
   - Should be able to monitor ECG through 5-Lead Patient Cable
   - Should have Manual ST Analysis Window
   - Should detect 20 arrhythmias and generate alarms.
   - The priority of arrhythmia alarms can be configurable
   - Should measure PVC & PAC
   - Should be able to monitor Heart Rate from 10-300 bpm
   - Should have user selectable modes like Monitor, Surgery and Diagnosis for operation in ICU, OT's etc
   - Should have pacemaker detection facility
9. **Respiration:**
   - Measurement Range of 0 to 150 breaths per min
   - Should have Gain selection: ×0.25, ×1, ×2, ×4
   - Should have sweep speed selection of 6.25mm/s, 12.5mm/s, 25mm/s
   - Should have Apnea detection facility
   - Apnea Monitoring limit range: 10s, 15s, 20s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s

10. **SPO2:**
    - Should have Nellcor/Masimo technology
    - Should have measurement range of 0~100 %

- Should have on screen display of Numeric value for SPO2, PR with signal strength bar and Plethysmograph

- Should be able to select SAT SEC to avoid false alarm

11. NiBP:

- Must be of **SunTech Medical** Technology for clinical-grade blood pressure measurement
- Should have Auto, Manual, and Stat modes of operation for NiBP.
- Should have a measuring range of 0-280 mmHg

12. Dual IBP

- Should have dual IBP Measurement.
- Should have Measurement range of -50 ~ +300 mmHg.
- Should have Accuracy of ± 2mmHg or 2% of the reading.

13. EtCO2 : Upgradeable

a) It should be able to display the following values : Fi & Et of CO2

b) It should be of main-stream or side-stream type. For a side-stream its should have low sampling rate of 60 ml/min or less; for a main stream sensor its weight should be 25g or less.

14. AGM [Anaesthesia Gas Monitoring] : Upgradeable

a) It should be able to display the following values : Fi & Et of CO2, RR, N2O, O2, Agent Identification.

b) It should be of main-stream or side-stream type(with or without O2 sensor).

15. Should have 2 channels for temperature monitoring
16. Should have data storage capabilities:

    - 72 Hours of trend data storage.
    - 2000 sets of NIBP measurement data.
    - 200 alarm events
    - Physiological Alarms can be reviewed with 16 sec of associated waveform along with other parameter values. Even print out these waveforms with optional recorder
    - 7 leads of ECG waveform disclosure atleast of 1-hour
    - Should have facility to transfer the trend data to USB

17. The monitor should have Drug dose calculator and Oxy-CRG view screens

18. Snapshot facility with USB transfer
19. Should have alarm settings for all parameters
20. Should have color coded alarms and alarms priority can be configurable

TECHNICAL SPECIFICATION FOR HIGH-END VENTILATOR

1. Advance technology ventilator for Adult, Paediatric & Neonatal patients
2. Should have 12.1" or more HD colour touch screen with or without knob
3. Internal integrated turbine technology or External compressor technology
4. Should offer A/CMV , SIMV , PSV , CPAP modes in Volume & Pressure Control breath types
5. APRV, Bilevel, PRVC, VS, SBT
6. Auto mode or ASV or AVM or any equivalent mode
7. Settings: VT: 02 to 2500 ml or more
RR: 1 to 150 BPM or more
Ti: 1 to 5 sec or more I:E
Ration: 4:1 to 1: 9
PC -- 1 TO 100 & PS: 1 TO 100 cm CPAP
& PEEP: 0 to 50 cm
Peak Flow: upto 240 LPM or more
Trigger: P trigger: 0.1 to 15 cm or more Flow trigger 0.1 to 20 LPM or more
Exp Trigger: Manual settings 5 % to 80 % and should also offer Auto Exp Trigger
8. NIV in all modes with automatic leak compensation

9. Flow compensated internal pneumatic nebulizer for Adult , Paed patients . Vibrating mesh technology nebulizer for Neo patients with control from the ventilator screen

10. Should offer ATC (Automatic tube compensation) for ET & Tracheostomy tube

11. HFOT / HFNC should be a standard feature with flow from 01 ltr to 80 LPM

12. P0.1 , NIF, Trends of 72 hours or more

13. 100% O2 for suction , manual breath , Insp Pause , PSV Max I time for PS breaths , Insp Hold , Exp Hold tools

14. Battery back up of 3 hours or more for ventilator (& compressor if the ventilator is compressor driven)

15. Should offer Open and Closed suction tools

16. Should offer 3 waveforms with Autoscaling .It should be possible to see 3 waveforms and 2 loops on one single screen together

17. Should offer 2 loops with reference loop and loop overlap features . Autoscaling of loops

18. Should be upgradable to in built integrated Volumetric capnography with dead space measurement , VD/VT ratio

19. Should offer Lung Recruitment Tool , and Quasi static PV manuver . The PV manueuver will not be considered Lung Recruitment Tool . There should be two separate maneuver or tools one each for for PV Maneuver and Lung Recruitment

20. Should have valid EU CE from Notified European body & US FDA notified 510 K certificate

21. Demonstration of the equipment and the dual control screen is a must .

22. Should offer Synchrony Tools that optimize patient ventilator synchrony . Should provide a list of synchrony tools offered on the quoted model and should demonstrate the synchrony tools during technical demonstration

23. Should be upgradable to Dual Control Dual Screen for isolation ward / high risk areas denoted wards / organ transplant wards where the ventilator with its interface is kept inside the room and can be operated from a second screen situated outside the room. VGA screen or detachable interface screen mounted outside the isolation ward will not be accepted. Price for the second control screen solution to be quoted separately in optional offerings

24. Scope of supply

Ventilator
Trolley and support arm
Reusable , autoclable exhalation valve -- 02 no
Reusable & autoclavable exh flow sensor -- 02 no . If flow sensor is not reusable and autoclavable , then 200 no single use flow sensor should be supplied with each ventilator
Bactreria & virus filter -- 02 no
HME filter with HEPA -- 10 no

TECHNICAL SPECIFICATION FOR DEFIBRILLATOR MACHINE

1. The defibrillator should be biphasic technology having energy selection upto 300 joules
2. The defibrillator should have facility for ECG monitoring, Defibrillation, Automated External Defibrillator mode
3. The defibrillator must have option to upgrade/enhance with Masimo SPO2, NIBP, Masimo ETCO2
4. Should have Min 7-inch Color Display
5. Should have energy selection from 2 – 300Joule
6. Should have a facility for charging via paddles
7. Should have Shock Control Buttons on the external paddles
8. Should have both Synchronous and Asynchronous mode
9. Should have Continuous voice prompts and on-screen messages to aid in revival and resuscitation process in AED Mode
10. Should have Metronome Signal for CPR Support in AED Mode
11. Should have a facility to monitor ECG via both Paddle and ECG cable
12. Should be supplied with Adult and swipe to expose Pediatric paddles
13. Should have sealed lead acid battery
14. inbuilt Battery should have capable to delivered 100 charges/Discharges of 300 J with full charged condition
15. The machine should work on mains as well as rechargeable battery
16. Should have atleast 24 event recording
17. Should have both Audio-Visual alarm
18. Should have inbuilt thermal printer
19. Should be capable to print both real time and configurable delayed ECG waveform
20. Should have input protection against High voltage
21. Manufacturer should conform to ISO Standards 13485:2016
22. The product should be European CE or ERTL tested. Copy of certificate or relevant test reports should be enclosed with the bid

Technical specifications for Stress Test System

- **Treadmill Specifications:**
  - Should be able to handle patient capacity up to 180 Kgs
  - Should have very large treadmill length of 1940 mm
  - Should have speed range from 0-16 Kmph
  - Should have inclination range from 0-22%
  - Treadmill should be automatically controlled
  - Treadmill should have a large walking area of 500-1400 mm

- **Bluetooth ECG Acquisition Specifications**
  - The acquisition unit should be wireless enables Bluetooth device have a rechargeable battery
  - Should have a minimum sampling rate of 1000 samples/second
  - Should be a light, weight and compact acquisition unit
  - Should be able to acquire 12 lead ECG information of the patient
  - Should have the following set protocols available as standard: Bruce, Modified Bruce, Naughton etc
  - Should have option of user selectable protocols
  - Should have battery charging and battery low indicator

- **DATA REVIEW**
  - Should calculate the following parameters: ST-level, ST-slope, Heart Rate and METS
  - Should have fiducial points detection facility
  - Should have QRS detection facility
  - Should be able to display the arrhythmia on screen
  - Should have facility for display of ST values below the medians of 12 leads
  - Should have the facility of automatic median update after an interval of 8 seconds
  - Should have displayed information like Heart Rate, Target Heart Rate, BP, Stage Time, Test Time, Lead-off information and Patient Name
  - Should have the facility to export/import data
  - Should have facility for trend graph for HR,BP, ST Slope and J-Amplitude
  - Should have review option with full disclosure
  - Should have display format of 3 lead + 12 median or 6 lead + 12 median or 12 lead + 12 median

- **SIGNAL PROCESSING**
  - Should have a frequency response of 0.5-100 Hz
  - Should have a mains interference filters of 50 Hz Notch Filter
  - Should have an anti-drift filter of frequency 0.5 Hz
  - Should have internal DF Protection
  - Should have a CMRR of 90 Db

- **PRINTING**
  - Should have user selectable printout formats
  - Should be able to print automatically after every stage or at pre-recorded intervals

- Should have the option of choosing a filter for printing
- Should be able to print with/without grids

- **DATA STORAGE**
  - Data storage to be provided on hard disk with separate folder for each test
  - Should be able to export the selected records to CD Roms

- **OTHERS**
  - Should have provision to enter patient information like name, age, gender etc
  - Manufacturer should be ISO certified
  - Should comply to all the respective electrical safety standards
  - Should be supplied with all the standard accessories

TECHNICAL SPECIFICATIONS OF HIGH-END COLOR DOPPLER ULTRASOUND SYSTEM

1. It should be robust state of art, fully digital high end latest Color Doppler Ultrasound System with C-Sound / N-Site / Crystal-live / similar architecture capable of precision beam forming, capable of performing imaging applications in abdominal, OBS/gynae, Fetal Heart, musculoskeletal, small parts, Urology, Breast, Pediatric etc.
2. System should have broadband beam former capable of processing signals from 1-21 MHz.
3. System should have latest state of the art Hybrid Beam forming technology to ensure no Compromise between Temporal and Special resolution
4. System processing channels must be more than 75,00,000.
5. Frame rates should be 5000 frames/sec or more.
6. System should have Digital TGC.
7. System should have atleast 3 active universal probe ports.
8. System should incorporate facility for high resolution 2D, M-mode, PW, Color Flow Imaging, Color Power Angio imaging, Power Pulse Inversion Harmonics, Directional Color Power angio imaging modes, Shearwave & Strain Elastography and Comprehensive 4D Package.
9. System should have Full Spectrum Imaging, Tissue Harmonic Imaging, Spatial Compound Imaging, Pulse Inversion Harmonic Imaging, Trapezoidal Imaging, Quad Imaging, Dual Imaging in Horizontal Split, 2D/C Live Imaging, Automatic PW Doppler Adjustment and Auto 2D Adjustment.
10. System should have scan depth of 2 to 50 cm or more. Please specify through data sheet.
11. System should have 256 shades of gray display.
12. System should have facility for real time or frozen, pan or point zoom.
13. System should have cine loop review minimum 50000 frames. Please specify through data sheet.
14. System should have panoramic extended field of view.
15. System should be upgradable with Fetoscopic view technology that displays detailed volume rendering, enabling users to easily identify subtle anatomical

structures with change in position of light source. Anatomies look realistic when viewed in color.

16. Console height should be adjustable for user's comfort.
17. Convex Probe with Single Crystal will be accepted for higher frame rate and deep penetration. This probe should have 2D Real time Shearwave liver elastography with quantification
18. Single crystal Linear probe for MSK and Breast Imaging with 2D Real time Shearwave Elastography.
19. System must have Contrast Ultrasound with Time Intensity Curves (CEUS) in Convex, Linear & TVS probe.
20. System should have Advanced Image Processing algorithm to analyze between targets and artifacts so as to sharpen target anatomy, reduce the sparkle & artifacts to improve image quality.
21. System should have Dynamic range 360 dB or more.
22. It should have extensive software and automatic and user programmable calculation package for gray scale, color Doppler, 3D and 4D applications.
23. System should have more than 21" or more Flat panel Monitor (preferably LED) with articulating arm capable of Up/Down, forth/back movement along with tilt & swivel facility.
24. System should have more than 14" wide LED Touch Screen Control along with hard physical keyboard.
25. System should support single button to customize the workflow of Doctor.
26. System should have central lock for all four wheels.
27. System should be able to show hemodynamic color flow (Alpha blending).
28. System should have more than 2 USB Ports and also be DICOM ready.
29. System should have built in Image Management Software, for off line application when patient has gone after examination, such as Image Manipulation, Multi Planner reformatting, surface & volume rendering etc. It should have SSD hard disk memory of 512 GB
30. System should have Micro Vascular Flow imaging with levels selection to visualize hemodynamics in micro vessels without the use of Contrast. It should be possible on 2D & volume imaging with a facility to quantify a given area of interest. The technology

should be such that the Frame rate is not dropped on

switching ON the MV Flow mode.

31. System should have 3D like hemodynamics visualization in 2D Color Doppler imaging for better delineation of vessel lumen and abnormalities. It should have level selection for more detailed information in low flow (tiny vessels) & high flow (large vessels).
32. System should have Comprehensive liver quantification package with Hepato renal Index, Tissue Scattered Imaging and Tissue Attenuation Imaging
33. System should have Liver fat quantification tool with fat fraction displayed in percentage form and should have comprehensive multiparametric reporting format giving all parameters related to Liver solution in one page.
34. System should have special feature for better needle visualization
35. System should be capable of Realtime 3D/4D imaging with advanced Applications for OBS/GYN. Also it should have volume imaging features like Multi slice imaging, Oblique view, VOCAL, etc.
36. System should be upgradable of Deep Learning technology-based feature, that automatically does classification of the ultrasound images, auto annotates & auto measures the structures in 2nd & 3rd Trimester OBS thus drastically reducing the overall key strokes & eventually the scan time spent on per patient. This should be possible with the regular convex probe.
37. System should have a feature to semi-automatically extracts the centerline and thickness of the curved endometrium and provides a coronal view in 3D, flattened by the centerline with report function for uterine malformation classification according to the *ESHRE/ESGE or ASRM guideline selection
38. System should be upgradable of automatic tool to derive 9 planes of fetal heart (as per AIUM recommendation) from one volume sweep.
39. System should be upgradable of AI based automated tool for obtaining different axial, sagittal planes of fetal CNS through volumetric imaging. Feature with 9 Planes as per ISOUG guidelines including all Coronal, Sagittal & Axial planes is preferred.
40. System should be upgradable of an advanced technology-based solution that automatically detects & monitor malnourished fetuses with growth abnormalities.
41. System should be upgradable of automatic tool that obtains the true mid-sagittal plane automatically by rotating and auto-zooming the image specially needed for

difficult cases while calculating Nuchal Translucency involving fetal positions to avoid long waiting time or recalling the patients again

42. System should be upgradable of feature that automatically identifies and measures multiple ovarian follicles in one scan (color coded) for rapid assessment of follicular size and status during controlled ovarian stimulation.

43. System should be upgradable of AI / CAD based (on-cart) tool for structured reporting of Breast & Thyroid Lesions using BIRADS & TIRADS scoring.

44. System should be compatible with Adult, pediatric & neonatal cardiac probe along with TEE probe for future use.

45. System should be upgradeable to advanced cardiac features like Auto EF, Stress & Strain Imaging for easy assessment of patients with Cardiovascular risk.

46. System should be upgradable of an AI based fully automated measurement tool for Adult heart with ability to automatically segment the heart, auto annotating & also automatically measuring all parameters in every Imaging mode in one just touch using regular phased array transducer.

47. The quoted model should be CDSCO approved.

48. Please respond to each specification in the same format and order and support it with Product Data Sheet.

System should be provided with following transducer:

A Single Crystal Convex Abdominal probe with frequency range from 1 to 7 MHz. (Single Crystal Probe will be required for higher frame rate and deep penetration, also capable of doing Real time 2D Shearwave Elastography). +/-1 MHz Frequency Acceptable

B Single Crystal Linear probe for vascular studies and Breast Imaging 2-14 Mhz. also capable of doing Real time 2D Shearwave Elastography & Strain Elastography. +/-1 MHz Frequency Acceptable

C Single Crystal Adult Cardiac Probe with 1-5 Mhz. approx. for 2D Echo Studies
+/-1 MHz Frequency Acceptable

D Trans Esophageal Probe for TEE applications

TECHNICAL SPECIFICATION FOR PROSTATE MORCELLATOR

1. Should have suction and morcellation combined into one unit for convenient usage
2. Colored status indicator for the effectiveness of the suction system to be displayed.
3. Easy morcellation speed controls on the main unit with at least 10 levels of speed control
4. single pedal footswitch with dual function of suction at half press and full press it should do suction and morcellation simultaneously
5. Tissue collection to be integrated with ease of removal in nylon mesh bags.
6. Integrated but easily replaceable tissue collection bags into the waste bottle collection system
7. Waste liquid storage capacity should be at least 6 liters before required to decant the waste
8. The blade should have a single window opening with a rounded atraumatic tip to have histopathology compatible tissue sizes
9. Should include one control box, one handpiece, two blade sets, one set of tubing, and a cleaning brush
10. Blade diameter should be 4.5mm or less and length to be at least 400 mm
11. Should have an interlocking overflow protection system with an audible warning for the same.

TECHNICAL SPECIFICATION FOR MORCESCOPE

- Set should contain a zero-degree microscope and an outer sheath of 24 fr
- Working channel should be able to accommodate a 4.5mm blade
- Working length to be 191 mm
- Assembly should be with an easy push and click mechanism
- Dual level liquid seal to prevent unwanted outflow

TECHNICAL SPECIFICATION FOR PNEUMATIC LITHOTRIPTER WITH COMPRESSOR AND ACCESSORIES

- Should be Fully Digital Intra - Corporeal Lithotripter
- Features:
- Should have Special "DUSTER" mode D1 & D2
- Must be Safe & effective
- Should have Single and multiple mode operations
- heat is generated inside must be minimal.
- Must have Short Treatment Time
- User friendly & Easy maintenance
- Input Gas : Oxygen / Compressed Dry Air
- Inlet Pressure Range (To Control Unit) : 4 -7 Bar
- Outlet Pressure Range : 0 - 5 Bar
- Probes:

  Probe type: Ureteric Stone, Kidney Stones

TECHNICAL SPECIFICATION FOR THULIUM FIBER LASER 60 WATTS

The machine should have following features:

1. It should be useful for Lithotripsy and Prostate enucleation.
2. It should have minimum power of 60 watts.
3. Should have Thulium fiber laser technology having Wavelength of 1940 nm.
4. The unit should have Minimum 10" capacitive touch screen with high resolution.
5. It should have aiming beam of 532 nm and its intensity should be adjustable with 6 levels.
6. It should have pulsed as well as continuous mode.
7. It should have adjustable lasing sound with minimum 4 levels.
8. It should have water proof Dual foot padal for lasing of two selected settings and third should have facility of toggling between Ready/Standby selection.
9. It should have pre-selection of mode like Painting,Dusting,fragmentation,popcorn, coagulation.
10. It should have pulse frequency upto 2500 Hz.
11. It should have pulse energy of upto 6.0 Joule.
12. It should have peak pulse power 600W or more
13. Should have minimum 7 Pulse width selection to control peak power.
14. Should have facility to hold the fiber on the machine
15. It should have Active integrated cooling system.
16. It should have operating Temperature of 10 ºc – 35 ºc
17. It should be useable with single phase 230 V, AC 50/60 Hz.
18. It should have compact desktop size for portability.
19. Should have dedicate cart.
20. Service should be provided by company owned local office and maximum down time of 7 days from day of intimation to manufacturer
21. ACCESSORIES:

i) The unit should be provided with color coded for different sized fibers i.e. 200/230µm, 272um ,365µm , and 550µm (2 Nos.each)
ii) Matching Fiber stripper- 03 Nos.
iii) Ceramic Scissor – 01 No.
iv) Power cord 15A, 3mtr. – 01 No.
v) Dust Cover – 01 No.
vi) Laser safety Goggles – 01 No.
vii) Fiber Holder-01 No.
viii) Trolley for Thulium Fiber Laser-01 No.

22. Quoted Model should be US FDA or European CE from Notified Body or BIS approved.
23. Manufacturer should be ISO 9001 & ISO-13485 Certified.

I. <u>Morcellator with trolley</u>

1 Display type: 8 inch with touch display
2 Speed: Upto 5000RPM
3 Suction: Inbuilt Variable Suction
4 Foot Switch: Multi-function Dual Foot Paddle with Switch for changing mode as per requirement.

5 Morcellator Trolley-01 No.

6 Consumable:
I) 2.5 Ltr Jar for collection of waste-02 Nos.
II) Blade- 02 Nos.
III) Tubing- 01 Set
IV) Tissue Collecting Jar- 01 No.

II. <u>HOLEP Instruments as mentioned below:-</u>

Morcelloscope + Connector 1 Set
Laser working Element 1 Set
Cystoscope (Telescope) (30 Degree - 4.00 mm) 1 Set Resectoscope sheath(Inner & outer) 1 Set
Obturator, for sheaths 24/26 Fr 1 Set

TECHNICAL SPECIFICATION FOR 100W HOLMIUM LASER SYSTEM

The Laser system for the procedures of Retrograde Intrarenal Surgery (RIRS), Ureteroscopy (URS), Percutaneous Nephrolithotomy (PCNL), Prostate, HoLEP, BPH, Obstruction of bladder neck, bladder incision, Urethrotomy tumor excision, Soft Tissue cutting, fragment any impacted stone and Disintegrate calculi of any size in the bladder, ureter or kidney.

1. **Wavelength:**
The laser system shall operates at a wavelength of 2.1 µm, suitable for precise and effective treatment of various urological conditions.

2. **Pulse Energy Range:**
Shall have adjustable pulse energy within the range of 0.1 J to 5.0 J, providing flexibility to accommodate different procedures and patient needs.

3. **Repetition Rate:**
Shall be capable of delivering pulses at a repetition rate of up to 80 Hz, ensuring efficient and rapid treatment during procedures such as RIRS, URS, and PCNL.

4. Pulse Width:
Shall have variable pulse width settings, including short pulse and long pulse options, with a maximum pulse width of up to 1500 microseconds. This variability allows for tailored treatment approaches based on the specific requirements of each procedure.

5. Power Output:
The laser system shall provides a high power output of 100 watts, enabling effective tissue ablation, fragmentation, and coagulation, among other applications.

6. Power Supply Compatibility
Designed to operate with the standard power supply available in hospitals, supporting 230V AC, 50/60 Hz, with an amperage requirement of less than 32 Amp, ensuring seamless integration into existing infrastructure.

7. **Operating Temperature Range:**
The machine should be capable of operating within a temperature range of 10ºC to 35ºC, providing optimal performance and reliability in various clinical environments.

8. **Aiming Beam**:
It shall be Equipped with an aiming beam emitting at 532 nm, allowing for precise targeting of treatment areas. The intensity of the aiming beam is adjustable, enhancing accuracy and control during procedures.

9. **Cooling System:**
It should have an advanced dual inverter compressor-based turbo cooling system, ensuring efficient heat dissipation and maintaining stable operating temperatures, even during prolonged use.

10. **Display**:
It shall feature a user-friendly control panel with a 12-inch touch screen display. The panel offers tilt and sideways swivel movement, allowing for convenient adjustment and customization according to the operator's preferences and ergonomic requirements.

11. **Portability:**
The equipment shall be equipped with sturdy wheels and a locking system, facilitating easy transportation between different clinical settings or operating rooms.

12. **Hands-Free Operation:**
It shall have a dual foot pedal for hands-free ready/standby selection, enabling surgeons to focus on the procedure without the need to manually control the laser settings.

13. **Operating Modes:**
It shall provide multiple operating modes, including Dusting, Fragmentation, Popcorn, Coagulation, Enucleation, and Hemostasis, catering to a wide range of urological interventions with precision and versatility.

14. **Restoration Feature:**
It shall Incorporates a "Restoration" function, allowing surgeons to recall and apply previously saved settings for specific procedures, streamlining workflow and saving valuable time during surgeries.

15. **Adjustable Lasing Sound:**
It shall have adjustable lasing sound with a minimum of four levels, enhancing user comfort and minimizing distraction during procedures.

16. **Fibers:** Fibers should have an integrated quartz ferrule into the fiber connector to eliminate need of service prone blast shield.

Accessories and Essential Consumables:

a. 200/272 micron diameter Reusable Fiber - 02 Nos.
b. 365 micron diameter Reusable Fiber - 02 Nos.
c. 600 micron diameter Reusable Fiber - 02 Nos.
d. Adjustable Fiber stripper - 03
e. Ceramic Scissor – 01
f. Dust Cover – 01
g. Laser safety Goggles – 01
h. Power cord 3mtr. – 01
i. Dual Foot Pedal-01

Certification:

1) The equipment should confirm to standards such as European CE from 4 digits notified body or USFDA or BIS. Copy of the certificate must be enclosed with the technical bid.
2) The manufacturing company must have valid EN ISO 13485 & ISO certification. Copy of the certificate must be enclosed with the technical bid.
3) The equipment should have mandatory CDSCO License for the quoted model [License to be enclosed with the Technical Bid]

III. Morcellator with trolley

S.No.	SPECIFICATIONS
1	Display type: 8 inch with touch display
2	Speed: Upto 5000RPM
3	Suction: Inbuilt Variable Suction
4	Foot Switch: Multi-function Dual Foot Paddle with Switch for changing mode as per requirement.
5	Morcellator Trolley-01 No.
6	**Consumable**: I) 2.5 Ltr Jar for collection of waste-02 Nos. II) Blade- 02 Nos. III) Tubing- 01 Set IV) Tissue Collecting Jar- 01 No.

IV. HoLEP Instruments as mentioned below:-

Morcelloscope + Connector	1 Set
Laser working Element	1 Set
Cystoscope (Telescope) (30 Degree - 4.00 mm)	1 Set
Resectoscope sheath(Inner & outer)	1 Set
Obturator, for sheaths 24/26 Fr	1 Set

TECHNICAL SPECIFICATION FOR NEPHROSCOPE 19 FR.

- Distal Tip Size should be 18 Fr or 19 Fr,
- Instrument channel should have with 11 Fr working Channel,
- Should have with 21 Fr Operating Sheath,
- Must be Autoclavable with angled eyepiece
- Should Have atraumatic distal end with smooth round tip for patient safety and ease of insertion.
- Should be Compatible with operative sheath with hollow obturator for continuous irrigation and suction.

TECHNICAL SPECIFICATION FOR NEPHROSCOPE 19.5 FR.

- Distal Tip Size should be 19.5Fr or 20 Fr,
- Instrument channel should have with 11 Fr working Channel,
- Should have with 24 Fr Operating Sheath,
- Must be Autoclavable with angled eyepiece
- Should Have atraumatic distal end with smooth round tip for patient safety and ease of insertion.
- Should be Compatible with operative sheath with hollow obturator for continuous irrigation and suction.

TECHNICAL SPECIFICATION NEPHROSCOPE 22 FR.

- Distal Tip Size should be 22 Fr,
- Instrument channel should have with 11 Fr working Channel,
- Should have with 26 Fr Operating Sheath,
- Must be Autoclavable with angled eyepiece
- Should Have atraumatic distal end with smooth round tip for patient safety and ease of insertion.
- Should be Compatible with operative sheath with hollow obturator for continuous irrigation and suction.

TECHNICAL SPECIFICATION FOR NEPHROSCOPE 24 FR.

- Distal Tip Size should be 24 Fr,
- Instrument channel should have with 11 Fr working Channel,
- Should have with 27 Fr Operating Sheath,
- Must be Autoclavable with angled eyepiece
- Should Have atraumatic distal end with smooth round tip for patient safety and ease of insertion.
- Should be Compatible with operative sheath with hollow obturator for continuous irrigation and suction.

TECHNICAL SPECIFICATION CYSTOSCOPE WITH TELESCOPE 30 DEGREE 4MM

- Should be a rigid endoscope with a 4mm or 5 mm diameter and a 30-degree viewing angle, used for urological procedures and provide an optimal viewing angle for procedures.
- Working length should be 300 mm
- Must be Autoclavable with angled eyepiece

TECHNICAL SPECIFICATION CYSTOSCOPE WITH TELESCOPE 30 DEGREE 10MM

- Should be a rigid endoscope with a 10mm diameter and a 30-degree viewing angle, used for urological procedures and provide an optimal viewing angle for procedures.
- Working length should be 310 mm
- Must be Autoclavable with angled eyepiece

TECHNICAL SPECIFICATION CYSTOSCOPE WITH TELESCOPE 0 DEGREE 10 MM

- Should be a rigid endoscope with a 10mm diameter and a 0 degree viewing angle, used for urological procedures and provide an optimal viewing angle for procedures.
- Working length should be 310 mm
- Must be Autoclavable with angled eyepiece

TECHNICAL SPECIFICATION FOR NEPHROSCOPE PEDIATRIC

- Distal Tip be 6 Fr,
- Must be Autoclavable with angled eyepiece
- Should Have atraumatic distal end with smooth round tip for patient safety and ease of insertion.
- Should be Compatible with operative sheath with hollow obturator for continuous irrigation and suction.

TECHNICAL SPECIFICATION FOR URETERORENOSCOPE 4.5/6 FR

- Distal Tip Size should be 4.5 / 6 Fr
- Angle of view should be 5 degrees
- Instrument channel should be integrated with 3 Fr working Channel
- Working Length should not be longer than 340 mm
- Eyepiece should connect to standard camera head
- It should have offset eyepiece
- It should have dual valve system at working channel opening
- Ergonomic handle for urs for better operating
- Must be compatible with multiple types of light source cable connection

TECHNICAL SPECIFICATION FOR OTIS URETROTOME

- Sizes should be 20Fr
- Working Length: should have a working length of 21.6 cm
- Ergonomically designed for a comfortable grip made of Medical Grade Stainless Steel

  Must be Autoclavable and reusable

TECHNICAL SPECIFICATION FOR MONOPOLAR WORKING ELEMENT

- Must be electrode type (monopolar),
- Material should be stainless steel
- Design should be single or double stem
- Sizes should be 22 Fr / 24 Fr
- Works with rotatable scope sheaths of compatible sizes
- Must be Autoclavable and reusable

TECHNICAL SPECIFICATION FOR BIPOLAR WORKING ELEMENT

- Must be electrode type (monopolar),
- Material should be stainless steel
- Design should be single or double stem
- Sizes should be 24 Fr / 26 Fr
- Works with resectoscope sheaths of 4mm and 30-degree telescopes

  Must be Autoclavable and reusable

TECHNICAL SPECIFICATION FOR FULLY AUTOMATED CLINICAL CHEMISTRY ANALYZER

The analyzer should be automated, discrete, patient prioritized, random access clinical Chemistry analyzer capable of performing biochemistry and immunoturbidimetric assays

The analyzer should be benchtop model and should have the provision to upgrade with ISE (optional)

The analyzer should be capable of All Types of Assays, e.g..End point, Rate kinetic, turbidometric & bichromatic assays.

The analyzer should be able to use different yype of Samples - Serum, Plasma, Urine, CSF and body fluid samples, Oral Fluid, Whole Blood, Hemolysed Blood.

The analyzer should have throughput of at least 400 tests / hour photometric and 600 tests/hour with ISE (optional)

The analyzer should have facility for unlimited number of programmable profiles and calculation Item

The analyzer should have provision to use all open positions as STAT positions for emergency samples.

The analyzer should have provision of sample tray with atleast 75 samples at a time.

All positions on sample disk should accept STAT samples, blanks, controls, standards and ISE solutions in the same sample tray.

The analyzer should accept 5 ml, 7 ml and 10 ml test tubes. 2 ml and micro cup

The analyzer should have sample pipetting between 2–65 µl with increments of 0.1 µl

The analyzer reagent tray should be peltier cooled and should accept more than reagent bottles. It should accept 20 ml, 50 ml bottles and 5 ml adapters.

The analyzer should have provision to collect biohazard waste in a separate container.

The analyzer should have provision for vertical and horizontal obstruction detection, capacitance based liquid level sensing

The analyzer should have at least 80 permanent, reusable and replaceable cuvettes.

The analyser should have dedicated on board laundry system to wash and dry cuvettes, it should have provision for extended wash facility, water consumption should not exceed 8 Ltrs per hour.

The analyzer should have sample carry-over shall not be more than 1%.

The analyzer should have minimum reading volume of 180 µl or more.

The analyzer photometer should consist of 10 Filter Positions with 9 wavelengths ranging from 340 – 700 nm with fibre optics and 1 free position for future upgradation.

The analyzer should have provision for 3 channel direct ISE

The analyzer should have dilution ratio from 2 to 40 times for sample and calibrator.

The analyzer should have extensive Q. C. program and provision to show daily and monthly Levey-Jennings chart and remote access for troubleshooting.

The analyzer should have facility for Barcode Reading and Scanning of the sample as well as reagents.

The analyzer should have the facility to perform auto re-run and auto dilution and reflex testing of sample.

The analyzer should have provision for last 5 usable calibration.

The analyzer should have facility for calibration curve viz : Linear (one, two point and multi point) K factor, 4P, 5P, Logit Log, Cubic spline, Exponential , Polynomial

The analyzer should have three separate probes: one for sample and two for Reagents R1 & R2 dispension with mixers.

The analyzer should have CE-IVDR Certification from Authorized European Representative and ISO 13485 Certified.

The analyzer should be supplied with UPS and DI Plant.

The analyzer should use maximum 8 liter water on full load per hour. The

analyzer should be supplied with 3 year warranty.

The analyzer manufacturer should be manufacturer of reagents, controls and calibrators, and it should be of INDIAN origin.

TECHNICAL SPECIFICATION FOR RIGID BRONCHOSCOPE WITH TROLLEY

Feature	Adult Specifications (Typical Range)	Paediatric Specifications (Typical Range)
Material	High-quality stainless steel, autoclavable	High-quality stainless steel, autoclavable
Outer Diameter	14 mm	6 mm
Working Length	43 cm (bronchial)	30 cm
Working Channel	Large lumen for various large, rigid instruments	Adequate for smaller pediatric instruments
Ventilation Ports	Side ports for connection to standard, jet, or high-frequency ventilation systems	Ports for positive pressure assisted ventilation
Optics	Used with a proximally inserted 0° rigid telescope and a high-definition (HD/3CCD) camera head	Used with compatible telescope and camera system

The trolley is designed to safely and efficiently house all the components of the rigid bronchoscopy system.

- Material: Typically, an MS (Mild Steel) trolley with powder coating for durability and ease of cleaning.
- Mobility: Equipped with heavy-duty, antistatic castor wheels, all with a locking system to ensure stability during procedures.
- Storage and Shelving: Multiple, adequate shelves or drawers to accommodate:
    - Video processor (HD
    - Light source (300W Xenon)
    - Medical-grade monitor (20" or larger, HD resolution)
    - Recording system must have at least 500 GB storage)

Supplied with other standard accessories

TECHNICAL SPECIFICATION OF FIBER VIDEO BRONCHOSCOPY SYSTEM

Field of View (˚)	95^0 or more
Depth of Field (mm)	3 ~ 50 or better
Tip Deflection Up-Down (˚)	UP 160 or More Down 130 or more
Rigid Distal Width (mm)	Ø6.0 or less
Insertion Tube Width (mm)	Ø6.0 or less
Minimum Instrument Channel Width*(mm)	Ø2.6 or more
Working Length (mm)	600 or more
Total Length (mm)	860 or more

- **Portable Light Source: Qty – 1 No.**
    - Lamp should be LED which runs on Battery Should be compatible with above scope
- **Camera :**

1. Fully immersible camera head and cable assembly

2. Video processing camera
3. 1/4 inches CCD (Closed Sircuit Display) with 10 bit digital signal processing.
4. In built filter for compatibility with fibreoptic endoscopies
5. Resolution : 470 horizontal lines approx.
6. Signal to Noise Ration > 50 db.
7. Rotatable and detachable coupler (adaptor) with focusing facility.
8. Video output Y/C and composite.

- **5. Medical grade monitor :**
  - 21" Medical grade monitor to be provided
- **Endoscopy software, trolley**
- **<u>Acc to be included :</u>**

1) Leakage tester
2) Biopsy forceps
3) Cleaning brushes
4) Battery -5 qty

GENERAL SPECIFICATIONS FOR DIGITAL RADIOGRAPHY SYSTEM

The offers are invited for the purchase of a 650 mA Digital Radiography system.

<u>50KW, 650 mA Digital Radiography System with Floating Top Table, Vertical Bucky Stand, and 2 Nos. 17x17" Latest generation CsI Scintillation & IGZO Flat Panel Detector</u>

I. X-Ray Generator:

Microcontroller-based High-frequency X-Ray generator.
The frequency should be 40 KHz or more.
Output power should be 50 KW or more.
KV Range – 40 to 125KVp
mA range – Up to 650 mA.
mAs range – up to 800 mAs
Overload Indication should be available.
Digital Display of KV, mA, mAs/Sec

II. X-Ray Tube:

The tube should be a Rotating Anode.
Focal Spot: Small 0.6mm^2 & Large 1.5mm^2.
One pair of High-tension cables.
LED Collimator with full-field illumination with auto shut facility after 30 secs.
Collimator brightness should be ≥ 100 lux.
The anode heat capacity of the tube should be 200KHU or more.

III. Radiography Table:

The table should be horizontal floating type.

Bucky table with floating table-top with immense flexibility and ease in positioning.
Tabletop positioning with the release of electromagnetic brakes controlled with a foot-operated lever.
Table Height – 76 cm or less.
Tabletop – 220 x 70 cm or wider.
Tabletop should be made up of low radiation absorption (< 1.0 mmAl equivalent), water-proof material, and stain-free.
Longitudinal Travel: 45 cm or more
Transverse Travel: 30 cm or more
Electromagnetic locking of the table movement

IV. Bucky for Table:

Grid 10 :1, 103 LPI,
50 cm travel; movement arrested by electromagnetic brakes.
Tube shall be centered to Bucky in transverse direction eliminating the need for positioning table for every exposure.
Should be capable of accommodating 17 x17" Flat Panel Detector.

V. Floor Mounted Tube Stand

Tube Stand Movement should be arrested by electromagnetic locks.
Column longitudinal travel: 2315mm ± 10mm
Tube transverse travel: 370mm ± 10mm.
Tube vertical travel: 1310mm ± 10mm.
Tube rotation: ± 180º.
Column axis rotation: ± 360º

VI. Vertical Bucky Stand:

Ceiling-free counterbalanced column.

Height should be 200cm ± 5cm.
UP/ Down travel of bucky: 1310mm ± 10mm
Magnetic Locks.
Grid 10: 1, 103 LPI.
Should be capable of accommodating 17 x17" Flat Panel Detector.

VII. Control Panel

User configurable, 216 no. of Anatomical programs or more
Detailed Error Indication in case of malfunction in X-ray equipment.
Display of KV, mA, mAs & Sec
Density Control
KVp increment & Decrement in step of 1KVp only.
Overload indication.
The Control Panel should be compact & Pedestal mount.

VIII. Fixed Digital Flat Panel Detector for table and vertical bucky(2Nos)

The flat panel detector should be made of IGZO TFT (Indium gallium zinc oxide) with CsI scintillator layer.
The detector should have a spatial resolution of 3.6 lines pair/millimeter or better.
The Pixel pitch should be 140µ or lesser.
The resolution should not be less than 3072 x 3072 pixels.
The detector should have a minimum image depth of 16 bits.
The System should have an algorithm to enhance MTF by software.
The Software should have image-stitching facility Auto & manual.

Detectors and console Software should be mandatorily from the same manufacturer of FPD. The country of origin should not have landed border with India.

IX. Operating Acquisition Station:

Automatic data input from RIS/HIS via DICOM Modality Worklist query - Manual input of patient data via keyboard, - Automatic selection of exam procedure based on Worklist, - Projection guide for the selected projection, - Dose per area product reading is displayed on the workstation monitor and is automatically burned in the DICOM header (if the generator is connected to a compatible DAP camera), - APR program and AEC settings with compatible generators, Optimized image processing parameters, APR specific default values with manual adjustment if desired, - Image rotation in 90° steps - Horizontal/Vertical mirroring, - Automatic image cropping to collimated area - Manual image cropping (Rectangular, circular), - Adding digital markers to the image, - Invert image - Stitching images. Rejected images management and statistics, - Quick Exposure Mode, - Area Window Leveling The Print Layout Editor allows to Select different printing formats (DICOM, Paper) - Print up to 25 images on one film, according to printer capability (multiple image printing) Print zoomed images - Print patient and examination data within the acquired images (customizable at configuration)

configuration:

i. CPU – Intel i5, RAM – 8GB, HDD – 1TB, OS Windows 10 32/64 bit
ii. Display Monitor: 24" size; 1900 x 1080 Pixels, LED
iii. 3KVA UPS

X. Additional Workstation

Images, documentation etc. image Preview, Image processing functions like rotate, mirroring, zoom, move, windowing, filter and printing etc. should be available. CPU – Intel i5, RAM – 8GB, HDD – 1TB, OS Windows 10 32/64-bit Display Monitor: 24" size; 1900 x 1080 Pixels, LED

XI. DICOM Printer

- Two Tray Laser Printer
- 500 pixels per inch, 50-micron laser spot spacing.
- Integrated DICOM interface supports printing from DICOM modalities.
- Supports the following sizes

a) 14X17 in. (35 x 43 cm),11 x 14 in. (28 x 35 cm)
b) 10 x 12 in. (25 x 30 cm), 8 x 10 in. (20 x 25 cm)

XII. POWER SUPPLY REQUIREMENTS

440VAC± 10%, Three phase, 50/60 Hz.

XIII. STANDARD ACCESSORIES

Stitching Stand for long bone X-ray
12X12 Lead Glass for Workstation Room.
Lead Apron- 2 Nos./Lead Sheet for Door/Lead Apron Stand.

Others:

- The manufacturing firm should be ISO 13485: 2016 certified.
- The offer should be accompanied by an original brochure of the product, BIS and AERB & CDSCO type approval certificate.

- QA test should be done free of cost during the warranty period (once every year) QA test should be done free of cost during the warranty period, QA test shall be done in the CMC period, and the rates shall be included in the CMC offered.
- The firm should also mention the nearest service centers for prompt after-sales services.
- The Quoted Model of the Flat Panel Detector should be CE & USFDA approved.
- The unit should be offered 3 years warranty and 5 years Comprehensive Maintenance contract (CMC).

GENERAL SPECIFICATIONS FOR DIGITAL MOBILE RADIOGRAPHY SYSTEM

The offers are invited in two bid systems (Technical bid + Financial bid) for the purchase of the latest General radiography system.

5KW Digital Mobile X-ray System with wireless 14"x17" Flat Panel Detector

I. X-Ray Generator:

- High-frequency X-ray generator
- Frequency – 100 KHz or more.
- Output power 5KW or more.
- KV Range – 40 to 110KVp
- mA range – 10 to 100 mA or more
- mAs range – 0.1 to 250 mAs

II. X-Ray tube:

- Stationary anode
- Focal Spot: 1.8mm² or lesser.
- Anode heat capacity should be 40 KHU or more.
- Manual Collimator with auto-shut facility

III. Control Panel

- Integrated Console with 15" inches or more full touch screen display for Image Acquisition and parameter selection.
- Error Indication in case of malfunction of X-Ray Equipment
- Display of KV, mA & mAs selection from software console.
- Programable Anatomical Program Radiography, should have a selection of 1000 or more programs.
- KVp increment & Decrement in step of 1KVp only.
- The console should have an inbuilt Intel i5 processor, 8GB RAM, 1920x1080 Pixels Screen Resolution and Storage capacity of 0.5Lac images or more.

IV. Flat Panel Detector:

- Cesium Iodide (CsI) Scintillator
- Portable 14x17 inches (36 x 43cm) wireless detector
- Latest Technology IGZO TFT.
- Lossless AED/AWC increases dose efficiency and image quality by detecting X-ray start and finish with perfect precision.
- Should have a spatial resolution of 3.5 lines pair/millimeter or more.
- The Pixel Matrix should not be less than 2560 x 3072 pixels.
- The Pixel pitch should be 140µ or lesser.
- The detector should have an internal storage of 100 images to use as standalone.
- Should have a minimum image depth of 16 bits or more.
- The detector should be lightweight (≤ 3.0Kgs).

- The Detector should be supplied with 2Nos. Lithium Polymer Batteries, Weight <0.24 kg.
- The Battery Charger should have the facility to charge two batteries simultaneously.
- The ingress protection rating of the detector should be IP54 or more (dust & liquid).
- The system should have special technology like Trueview Art or equivalent to increase sharpness in the images that improves the possibility of detecting abnormalities.
- The Software should have Image Stitching facility as a standard.
- The Detector should have an OLED Display window to view the Detector status.
- Easy switch from sleep mode to acquisition mode for better battery performance
- The detector should also have a direct charging facility (without removing batteries)
- Measurements, Annotations ROI, Markers, Image Rotation, WW/WL etc
- The detector and console software should be from the same manufacturer.
- The OEM of the detector should not have a border sharing with India.
- The system should have detector storage with key lock facility.

V. Mobile Stand:

- The stand should have gas spring-based counterbalanced arm for noiseless operation.
- The Arm should be dual-articulated to keep the tube-head always straight for ease of positioning.
- The cable should be concealed in the arm for hygienic advantages, especially in ICU usage.

VI. Connectivity / Data Export:

- The System should have a LAN Connectivity Port for transferring the DICOM Image to PACS / Imager
- Networking Compatibility: Local/MWL/Storage Server/MPPS/Printer
- CD/ DVD Read/Write facility.
- The system should have an HDMI port to share display on external monitor.

VII. POWER SUPPLY REQUIREMENTS

- 230Vac ± 10%, Single phase, 50 Hz.

VIII. STANDARD ACCESSORIES

- Lightweight Radiation protection Apron with Thyroid guard – 2nos

Others:

- The unit should be BIS & AERB approved.
- The detector should be USFDA and European CE certified.
- The manufacturing firm should be ISO 13485: 2016 compliant.
- User manual to be supplied in English.
- The unit should be offered with 3years warranty and 3 years Comprehensive Maintenance contract (CMC)
- QA test should be done free of cost during the warranty period (once every year) and yearly QA test shall be done in the CMC period also and the rates shall be included in the CMC offered.
- The company should have well established after sales service network with a toll-free service Call login facility. The companies should also have a local service representative or service facility to provide the fastest response time in case of a breakdown of the equipment.

TECHNICAL SPECIFICATION FOR LASER RESECTOSCOPE SET – 24 FR

- Set should contain a 25 degrees telescope with 4mm diameter
- Outer sheath with outer diameter of 24 fr and innner sheath with outer diameter of 22 fr with their respective atraumatic obturator locking with a click mechanism
- Visual obturator with laser fiber holding tube that remains inside the inner and outer sheath
- Working length to be 302 mm
- Assembly should be with an easy push and click mechanism
- Laser working element compatible with 500micron laser fiber and has passive movement.
- Laser fiber should be held by soft push locking mechanism
- Must have evacuator

TECHNICAL SPECIFICATIONS FOR FLEXIBLE DIGITAL URETERO-RENOSCOPE

Flexible Digital Ureterorenoscope
1.1) Digital CMOS imager, Chip on Tip technology
1.2) Direction of view: zero degrees (forward-viewing)
1.3) Field of view: 110 degrees or more
1.4) Observation depth of field: 2mm – 50 mm
1.5) Integrated camera head: no secondary external attachments are required.
1.6) Display the usage time of each scope
1.7) Flexible insertion sheath with logical deflection mechanism
1.8) Active deflection tip length should be 6.5 cm or more
1.9) Deflection of scope tip should be possible to 270 degrees in both directions
1.10) Insertion tip diameter: 7.5Fr
1.11) Insertion sheath outer diameter: 7.5Fr
1.12) Working channel [ID]: 3.3Fr or less.
1.13) working length: 660 to 670 mm
1.14) compatible with laser lithotripsy: uses existing technologies and familiar surgical tools
1.15) It must be compatible with sterilization methods with ETO, Steris & Sterrad.
1.16) It should also be compatible with full scope including handpiece in high-Level Disinfection by complete immersion in liquid chemicals like Cidex & Paracef.

1.17) Must connect to a digital video processor unit with a built-in cold light source with LED bulb as light source, integrated screen with the provision of connecting via DVI or SDI or HDMI connection ports to view a live image on external medical grade monitors.

Specifications for Digital Video Processor Unit

Digital Video Processor Unit

1. Digital recording provision for both Still & Moving images directly on a USB device.
2. Must have an output for HD (1080p) video feed to connect via DVI / SDI / HDMI connection ports to view a live image on external Medical grade monitors.
3. Should include an integrated HD screen atleast of 15.5 inch in the video processor unit
4. Compact and ergonomically designed with an easy-to-carry handle.
5. Must have auto-brightness control with provision for adjusting brightness during surgery.
6. Must include auto white balance function along with an option to adjust the white balance if required with a dedicated button.
7. Should have a built-in cold light source with LED bulb as the light source
8. One system should connect to multiple scopes from the same manufacturer including a flexible digital ureteroscope with an OD of between 6 fr and 7.6 Fr, a flexible digital cysto-nephroscope with an OD of 13.5 Fr or lesser, and a Semi-Rigid digital ureteroscope with a tip of 5.5/7 Fr OD or smaller. Scopes should be compatible with sterilization methods with ETO, Steris, Sterrad and also compatible with the complete immersion of full scope including handpiece in high-level disinfectants like Cidex and paracef.

TECHNICAL SPECIFICATION FOR CAMP BED

- Blood Donation Camp Bed is light weight, built with latest technology made of SS Frame.
- Can be kept in Folded Condition to save the surface area
- Additional stand for Blood Pressure Unit
- Size: 24 x 74 x 30 inch.
- Total Weight: 16 Kgs.
- Easy to clean and easy to carry.
- **Certification**

CDSCO Certificate

USFDA
ISO 9001:2015
ISO 13485 : 2016
IEC 61010-2-040: 2020
IEC 61010-1: 2020
CE Certification

TECHNICAL SPECIFICATION FOR BLOOD BANK REFRIGERATED CENTRIFUGE (12 BAGS)

High Volume Refrigerated Centrifuge,

- Floor Model with maintenance free Brush Less Induction Motor and Variable Frequency Drive,

- Advanced Microcontroller with soft touch key pad for setting Speed- 500 to maximum of rotor head speed, RCF Value, Rotor selection, Timer in the range 1 to 120 minutes with infinite mode, Temperature in the range of-5 0°C to +40°C, and 25 program memory.

- PLC with HMI Display of working parameters and solenoid safety lock.

- The centrifuge is also provided with imbalance indication & safety cut off mechanism, Rotor in motion indication, safe lid open indication when rotor is static after the spin, working RCF reading, user definable acceleration and deceleration time setting in the range 30 to 510 seconds.

- CFC Free Refrigeration with Pre cooling and stand by cooling facility.

- Sturdy and safe metal fabricated body with SS chamber.

- Lid with Gas Spring for easy operation

- Max. Capacity 6000 ml. Max. Speed 4800 RPM, Max. RCF 6000 x g.

- 6 Place swing out rotor head with blood bag carriers suitable to carry 2 x 6 set of 450 ml Blood bags of quadruple bag system. (total capacity 12 set of quadruple blood bags system)

- **Certification**

CDSCO Certificate
USFDA
ISO 9001:2015
ISO 13485 : 2016
IEC 61010-2-040: 2020
IEC 61010-1: 2020
CE Certification

TECHNICAL SPECIFICATION FOR DEEP FREEZER

Temperature Range: –40°C to –10°C
Application: Biological Samples, Plasma, Pharma Injectables
Parameter

Gross Capacity: 200 L
Net Capacity: 174 L
Temperature Range: –40°C to –10°C
Ambient Temperature: +10°C to +32°C
Inner Dimensions (WxDxH) : 56 × 59 × 84 cm
Outer Dimensions (WxDxH) : 56 × 70 × 44 cm
Net Weight: 105 kg
Gross Weight: 165 kg
Adjustable Shelves: 2 nos
Inner Body: SS 304
Outer Body: Pre-Coated Galvanised Iron
Refrigerant : R404A (Eco-Friendly)
Mobility : Wheels provided
Insulation : CFC-free PUF, 125 mm
Defrost : Auto Defrost
Controller : Electronic with Digital Display
Alarm System : Temp deviation / door open / sensor & compressor failure
Temperature Recording : 120-day storage with download
Data Logger : Optional
Power Requirement : 110-280V wide voltage operation
Certification : ISO & CE Certified
Warranty : 2 Years (entire unit)

Key Features

- Hermetically sealed cooling system ensuring accurate temperature maintenance
- Faster pull-down with 4-side efficient cooling
- Energy-efficient compressor
- Silent operation fan evaporator system
- Magnetic gasket to prevent frost build-up
- Spring-loaded insulated door with 90° stay-open feature
- Front-opening for easy access
- CO_2 backup provision (optional)
- Environment-friendly refrigerant (HCFC-free)

Additional Options

- Circular chart recorder with battery backup
- CO_2 Backup System

TECHNICAL SPECIFICATION FOR -40 DEG C PLASMA FREEZER

- Outer body of mild steel duly powder coated, Inner chamber is made of S.S 304.
- Built in microprocessor controller-based temperature indicator cum controller having audiovisual alarm Audible alarm
- LCD display
- Temperature: -40°C
- CFC free gas and high density PUF Insulation.
- Heavy duty castor wheels for easy mobility
- Cascade refrigerator system with CFC free Danfoss Compressor
- Lockable door for added safety of samples & materials
- 180 seconds compressor· ON' delay timer to safeguard the compressor.
- Adjustable stainless-steel Trays.
- High and Low Alarm in case the inside temperature Overshoot the prevent value.
- Will have castor wheels.
- Compatible with Input voltage: 240V 50 Hz Single phase Ac.
- 7 Days circular chart recorder.

- **Certificate**

CDSCO Certificate
USFDA
ISO 9001:2015
ISO 13485 : 2016
IEC 61010-2-040: 2020
IEC 61010-1: 2020
CE Certification

TECHNICAL SPECIFICATION FOR DEEPFREEZER (-26) FOR ICE PACK MAKING

Featuring advanced CTT technology with hot lube refrigerant gas, these units maintain consistent temperatures between **-25°C to -15°C**, ensuring uncompromised sample protection. Ideal for storing **plasma**, **biological samples**, and **pharma injectables**, these freezers combine reliability, energy efficiency, and intelligent control systems.

- Ensures uniform temperature distribution using hot lube refrigerant gas.
- Electronic controller with LED display and built-in temperature deviation alarm.
- Hot gas defrosting for easy maintenance.
- Alerts for temperature deviation, door opening, and sensor failure.
- R404a refrigerant with low power consumption compressor.
- High-density CFC-free PUF insulation for cooling retention.
- Spring-loaded insulated metal door with 90° stay-open and magnetic gasket.
- Front door access for convenient cleaning and sample retrieval.
- 120-day temperature recording with import/export capability.
- ISO and CE certified for international performance standards.
- Corrosion-resistant PPGI steel outer cabinet.
- 2-year warranty on the entire freezer unit.
- **Technical Specifications**

Internal Dimensions (H × W × D): 660 × 525 × 600 mm
External Dimensions (H × W × D): 1310 × 705 × 765 mm
Packaging Dimensions (H × W × D): 1360 × 745 × 800 mm
Temperature Range: -25°C to -15°C
Drawers: 2
Net Capacity: 197 L
Gross Capacity: 208 L
Net Weight: 105 kg
Gross Weight: 120 kg
Inner Body Material: SS304
Outer Body Material: Pre-Painted Galvanized Iron
Display Type: LED
Door Lock: Yes
Mobility: 4 Wheels (2 with brakes)
Refrigerant: R404a
Cooling Type: Direct Cooling
Defrost Mode: Auto
Stuffing Qty (20' Container) : 24 units
Stuffing Qty (40' Container) : 45 units

TECHNICAL SPECIFICATION FOR DONOR COUCH

- Automatic motorized Donor Chair with Remote. 2 Function
- MS Powder coated body
- Durable and easy to clean Upholstery
- Sturdy frame made of mild steel powder coated and covered with ABS body
- KDC-1 has 2 motors for isolated movements of the back rest and leg rest
- The chairs are supplied with 3 layered stands for placing the BCM; Pressure monitoring apparatus and other accessories.
- The chair occupies 30% less space than a conventional hospital bed.
- The wide arm rests can be optimally set at the desired height and also can be moved to the side.
- This allows vascular access at a relaxed posture, fewer episodes of hypotension and muscle cramps in patients or Donors.
- In case a vasovagal attack occurs, the donor's head can be lowered immediately and legs can be Lifted above his heart level easily; allowing blood flow back to the brain and other vital organs.
- The motors are silent and controlled with remote for each movement.
- 4 no's Heavy duty castor wheels are provided for easy movement of the chair and are lockable.
- Power supply: 230VAC 50 Hz, Power Consumption: 100W
- Lifting capacity 200 kgs
- **Certifications**

CDSCO Certificate
USFDA
ISO 9001:2015
ISO 13485 : 2016

TECHNICAL SPECIFICATION FOR BLOOD COLLECTION MONITOR

- ABS molded body
- LCD display of volume, weight
- Flow rate audiovisual alarm
- Motor activated clamping
- Auto calibration & Tare feature.
- Easy to mount Magnetic tray assembly
- Audible alarm on completion
- Maintenance free battery, approx. 8 hours with sleep mode feature. (KCM -B)
- **Certificates Requirement**

CDSCO Certificate
USFDA
ISO 9001:2015
ISO 13485 : 2016
IEC 61010-2-040: 2020
IEC 61010-1: 2020
CE Certification

TECHNICAL SPECIFICATION FOR BLOOD BANK REFRIGERATOR

- A refrigerator for storing whole blood or packed red cell units in a blood centre.
- Microprocessor controlled temperature controller.
- Interior illumination for working.

Temperature range - 2 °C to 6°C
Temperature accuracy - ±0.5°C
Uniformity - ±1.0°C

- Capacity 1500 Litre - 1000 bags (Double Door).
- Inner stainless steel (304) 0.8mm thickness and outer mild steel, 1.0m m thickness powder coated.
- PUF Insulation of 50 to 60 mm thickness.
- Stainless Steel Scrach Resistance roll out type drawers.
- Lockable door for added safety of blood bags /samples.
- Magnetic closing.
- 180sec. compressor· ON' delay timer to safeguard the compressor.
- Audio and visual alarm will be there at the time of door opening, for high and low temperatures, and in case of power & sensor failure.
- Will have castor wheels.
- Compatible with Input voltage: 240V 50 Hz Single phase Ac.
- 7 Days circular chart recorder.
- **Certificate**

CDSCO Certificate
USFDA
ISO 9001:2015
ISO 13485 : 2016

TECHNICAL SPECIFICATION FOR -80 DEG C ULTRA PLASMA FREEZER

- Outer body of mild steel duly powder coated, Inner chamber is made of S.S 304.
- Built in microprocessor controller-based temperature indicator cum controller having audiovisual alarm Audible alarm
- LCD display Temperature: -80°C
- CFC free gas and high density PUF Insulation.
- Heavy duty castor wheels for easy mobility
- Cascade refrigerator system with CFC free Danfoss Compressor
- Lockable door for added safety of samples & materials.
- 180 seconds compressor· ON' delay timer to safeguard the compressor.
- Adjustable stainless-steel Trays.
- High and Low Alarm in case the inside temperature Overshoot the present value.
- Will have castor wheels.
- Compatible with Input voltage: 240V 50 Hz Single phase Ac.
- 7 Days circular chart recorder.
- Will Have following Certifications CDSCO Certificate USFDA ISO 9001:2015

ISO 13485: 2016 IEC 61010-2-040: 2020 IEC 61010-1: 2020 CE Certification

TECHNICAL SPECIFICATION FOR ELISA/MICROPLATE READER

Detection Principle	Absorbance
Ease of use	Self-Diagnosis, Copy test function
High dynamic range	0 to 4.0 OD
Measuring System	8 Channels fibre optics optical system
Reading Speed	Monochromatic - 6.5 secs for 96 wells
	Bi-chromatic - 16 secs for 96 wells
Assay Modes	Quantitative, Semi Quantitative and Qualitative
	Reverse Cut Off mode
	Multi-standard mode upto 10 standards
	Grey zone qualitative Analysis
Curve types	Multi-point, Conc-log, log-log, linear OD log
Output	Inbuilt thermal printer
	Prints sample report including patient demographics through PC software
Detection Principle	Absorbance
Assay Modes	Quantitative, Semi Quantitative and Qualitative
Microplate Types	96 wells
Measuring System	8 Channels fibre optics optical system
Reading Speed	Monochromatic - 6.5 secs for 96 wells
	Bi-chromatic - 16 secs for 96 wells
Light Source	LED lamp
Wavelength	405, 450, 492, 630 nm (with 3 optional filter positions)

	Provision to enter filters values through software
Display	320 x 240pixel STN-Blue monochrome
	LCD with LED backlight
Keypad	Touch screen

Reading Range	0.000 to 4.000 O.D
Repeatability	CV < 3%
Stability	Drift ± 0.003 O.D for 1 hour
Linearity	0.000 to 3.000 O.D for 492nm/ 0.000 to 2.400 O.D for 405nm
Shaking	3 options (Low, Medium & High)
	Vibration time adjustable from 0 to 1800 sec
Data Connectivity	RS 232, External USB printer
Power Supply	100-240VAC, 50/60Hz (65W max)
Operating Environment	5°C to 40°C
Dimensions	400 mm(W) x 525 mm(L) x 185 mm(H)
Weight	Approx 14 kg

Sr. No.	ELISA Washer
1	Instrument should work as standalone analyzer, without need to keep ELISA Reader ON while operation.
2	Automatic washing capability for flat, round, and V bottom strips and plates
3	Washing program: Aspirate, dispense, Mix, Soak up
4	Multi Point Aspiration, The device should be programmed to provide multistep combination of aspirate, dispense and soak time cycles, to ease the assay protocols.
5	Instrument should have plate cover to prevent contamination
6	Instrument can be programmed with washing of 1 to 255 times, Variable shake time and speed
7	Dispense volume can be adjusted from 50 µl – 400 µl.
8	Capability to wash 96 well microplate, 8 Channel, 12 channel and single channel Manifold
9	Perform self-check by performing internal performance tests & auto alignment
10	LCD Display with keyboard facility
11	Residual volume of < 2 µl
12	Plastic wash & waste bottles (2 L each) & Rinse bottle (1 L) with volume sensor probes
13	Instrument should be CE-IVD and ISO13485 certified with CDSCO Manufacturing License.
14	Instrument should be designed to store 100 programs

TECHNICAL SPECIFICATION FOR FULLY AUTOMATED CLINICAL CHEMISTRY ANALYZER

The analyzer should be automated, discrete, patient prioritized, random access clinical Chemistry analyzer capable of performing biochemistry and immunoturbidimetric assays

The analyzer should be benchtop model and should have the provision to upgrade with ISE (optional)

The analyzer should be capable of All Types of Assays, e.g..End point, Rate kinetic, turbidometric & bichromatic assays.

The analyzer should be able to use different yype of Samples - Serum, Plasma, Urine, CSF and body fluid samples, Oral Fluid, Whole Blood, Hemolysed Blood.

The analyzer should have throughput of at least 400 tests / hour photometric and 600 tests/hour with ISE (optional)

The analyzer should have facility for unlimited number of programmable profiles and calculation Item

The analyzer should have provision to use all open positions as STAT positions for emergency samples.

The analyzer should have provision of sample tray with atleast 75 samples at a time.

All positions on sample disk should accept STAT samples, blanks, controls, standards and ISE solutions in the same sample tray.

The analyzer should accept 5 ml, 7 ml and 10 ml test tubes. 2 ml and micro cup

The analyzer should have sample pipetting between 2–65 µl with increments of 0.1 µl

The analyzer reagent tray should be peltier cooled and should accept more than reagent bottles. It should accept 20 ml, 50 ml bottles and 5 ml adapters.

The analyzer should have provision to collect biohazard waste in a separate container.

The analyzer should have provision for vertical and horizontal obstruction detection, capacitance based liquid level sensing

The analyzer should have at least 80 permanent, reusable and replaceable cuvettes.

The analyser should have dedicated on board laundry system to wash and dry cuvettes, it should have provision for extended wash facility, water consumption should not exceed 8 Ltrs per hour.

The analyzer should have sample carry-over shall not be more than 1%. The

analyzer should have minimum reading volume of 180 µl or more.

The analyzer photometer should consist of 10 Filter Positions with 9 wavelengths ranging from 340 – 700 nm with fibre optics and 1 free position for future upgradation.

The analyzer should have provision for 3 channel direct ISE

The analyzer should have dilution ratio from 2 to 40 times for sample and calibrator.

The analyzer should have extensive Q. C. program and provision to show daily and monthly Levey-Jennings chart and remote access for troubleshooting.

The analyzer should have facility for Barcode Reading and Scanning of the sample as well as reagents.

The analyzer should have the facility to perform auto re-run and auto dilution and reflex testing of sample.

The analyzer should have provision for last 5 usable calibration.

The analyzer should have facility for calibration curve viz : Linear (one, two point and multi point) K factor, 4P, 5P, Logit Log, Cubic spline, Exponential , Polynomial

The analyzer should have three separate probes: one for sample and two for Reagents R1 & R2 dispension with mixers.

The analyzer should have CE-IVDR Certification from Authorized European Representative and ISO 13485 Certified.

The analyzer should be supplied with UPS and DI Plant.

The analyzer should use maximum 8 liter water on full load per hour. The

analyzer should be supplied with 3 year warranty.

The analyzer manufacturer should be manufacturer of reagents, controls and calibrators, and it should be of INDIAN origin.

TECHNICAL SPECIFICATION FOR HD 3CHIP CMOS LAPROSCOPY CAMERA SYSTEM

Scope of supply

- Camera System
- Light source
- Light Cable
- Telescopes
- Insufflator
- Recording Unit
- Trolley

3 CHIP HD CAMERA SYSTEM

- A full HD 3-chip processor should have resolution of 1920 x 1080 pixel.
- Camera head should be small & lightweight and fully waterproof.
- Camera system should have 3 programmable buttons with 6 functions
- It should have plasma or per acetic acid sterilization
- Should have aspect ratio 16:9
- It should have on screen menu, multilingual
- It should have upgradable portable USB archiving.
- It should have freeze function on screen
- It should have high end image quality and high speed shutter.
- It should create title and remote control operated.
- It should have digital zoom facility.
- User setting can be stored, more than 2 individual settings can be stored.
- It should have autoclavable optical zoom TV coupler

LED LIGHT SOURCE

- Light source should have a life time of minimum 20.000 hours.
- It should have minimum rundown time and post cooling should not require.
- Should yield particularly brilliant aperture and colour rendition.
- It should have intensity control to adjust desired brightness.
- It should have stand by function.

FIBRE OPTIC LIGHT CABLE

- It should be autoclavable and high transmission light cable.
- It should have low light loss and optimized transmission

- It should be minimum 3 mm length with minimum diameter of 3.5 mm

TELESCOPE

- It should be high end with HD resolution.
- It should have rod lens system and glass fibre constellation
- It should produce unique colour contrast and brilliant detail production not only at centre but at the edges too.
- It should have extremely scratch resistance.
- Quantity of Telescope required:
- Diameter Ø 2.9 mm, working Length 200 mm, Direction of view 0° .
- Diameter Ø 2.9 mm ,Working Length 200 mm, Direction of view 30°
- It should be autoclavable.
- It should have remarkable depth of focus.
- Should have Facility of standard ocular window for coupling the camera head
- Telescope shall be autoclavable
- Material of telescope Medical grade stainless steel

Indian Supply

Co2 INSUFFALTOR

- It Should have maximum flow range 50L /Min
- Accurate Flow control: Flow rate can be set in steps of 1Lpm/step for delicate & critical surgeries
- Warms CO2 gas upto body temperature to avoid fogging over the camera due to temperature variation.
- Over-pressure detection controls the gas pressure without user's interruption.
- Automatic pressure regulation with internal exhaust port which prevents the pneumoperitoneum from collapsing during overpressure
- Variable temperature control: User can vary the temperature of the CO2 gas to suit the patient's requirement to avoid hypothermia
- Surgery Timing Indicator: Indicates the time from the onset of surgery as well as the standard time according to the set time zone
- Indicator for remnant/ consumed gas: The amount of gas remaining/ consumed in the cylinder is displayed on-screen.
- Tube obstruction alarm: Audio-Visual alarms given if the silicon tubing gets obstructed during surgery.

DOCUMENTATION SYSTEM (RECORDER SYSTEM)

- The system should be compact and provided with medical grade recording device
- Type of recording system should be 2D,3D
- Should be available with Provision for digital storage of still images, video sequences, and audio files Format available
- System should be sterile, ergonomic operation via touch screen, camera head buttons / foot switch
- System should be full featured Graphical User Interface DICOM capability
- Should be Provision of Portable memory and USB slot for still image recording available
- Should have Automatic creation of standard report possible
- Should have Minimum internal memory of 2TB
- Should have Live streaming facility
- Should have Documentation System (Recorder System) from same OEM make

MOBILE VIDEOCART

- Mobile Video cart should provided
- Mobile Video cart should ride on four antistatic casters
- Availability of locking brakes
- Monitor arm provided with height adjustment
- Number of shelves
- Availability of handles for easy manoeuvring
- Cable channel mounted on the left or right of the column
- Mobile video cart should be from same OEM make

Annexure XI: Compliance sheet for Technical Proposal

Compliance Sheet for all Equipments

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

(District wise place and address of all equipments)

Equipments for RRSH Nashik and Amravati

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

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

a. I am liable for action under Indian Penal Code for submission of any false / fraudulent paper / information submitted in envelope no.1.

b. I am liable for action under Indian Penal Code if during contract period and defect liability period, any false information, false bill of purchases supporting proof of purchase, proof of testing submitted by my staff, subletting company or by myself, I will be liable for action under Indian Penal Code.

c. I am liable for action under Indian Penal Code if any paper is found false / fraudulent during contract period and even after the completion of contract (finalisation of final bill).

(Signature of Bidder)

(Seal of company)

Annexure-XIV: Manufacturer's Authorization Form

(Manufacturer's or Producer's Letter head)

To,
The Chief Executive Officer,
Maharashtra Medical Goods Procurement Authority,
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 Equipments for RRSH Nashik and Amravati** (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)

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)

Appendix II: Commercial Proposal Templates

I. General

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

Annexure XVII: Letter comprising the Commercial Bid

Annexure XVII: PART I

Letter comprising the Commercial Bid

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

Item Description	Unit	Qty	Ex-factory cost per unit (In Rs.)	GST applicable for Govt. Supply (In Rs.)	Other incidental charges (Please specify) (In Rs.)	Total landed cost per unit (4+5+6) (In Rs.)	Total Cost Rs. (3x7)
1	2	3	4	5	6	7	8
Electro Hydrolic OT Table(C-Arm Compatible)	Nos.	3					
ULTRASONIC GENERATOR SYSTEM	Nos.	2					
Gastro-Colonoscope with Flexible fiber optic Endoscope	Nos.	2					
CAUTERY MACHINE WITH VESSEL SEALING AND SALINE RESECTION	Nos.	1					
Leg Strirrups	Nos.	1					
BOOK WALTER ABDOMINAL RETRACTOR	Nos.	1					
BATTERY OPERATED OSCILLATING SAW	Nos.	1					
ELECTRO CAUTERY MACHINE WITH VESSEL SEALING	Nos.	2					
VIDEO COLONOSCOPY	Nos.	1					
SURGICAL INSTRUMENT ASSORTED SET	Nos.	1					
MICROSCOPE FOR PLASTIC AND RECONSTRUCTIVE VASCULAR SURGERY	Nos.	2					
ANESTHESIA WORKSTATION WITH AGM MONITOR	Nos.	4					
IBP, ECG, TEMP) with 10 beded Central Monitor station	Nos.	2					
ADVANCED ELECTRO CAUTERY MACHINE WITH VESSEL SEALING	Nos.	6					
HIGH-END VENTILATOR	Nos.	10					
BATTERY OPERATED SAW	Nos.	1					
DEFIBRILLATOR MACHINE	Nos.	3					
STRESS TEST SYSTEM	Nos.	2					
HEAD LIGHT BATTERY OPERTATED (4HR BACKUP PREFERRED SUOPTIC/LUX TECK)	Nos.	1					
ABG MACHINE WITH CARTRIDGE	Nos.	2					
TRANSOESOPHAGAL ECHO MACHINE	Nos.	1					
PROSTATE MORCELLATOR	Nos.	1					
MORCESCOPE	Nos.	1					
PNEUMATIC LITHOTRIPTER WITH	Nos.	1					

COMPRESSOR AND ACCESSORIES							
THULIUM FIBER LASER 60 WATTS	Nos.	2					
Holmium Laser 120 watt with Fiber	Nos.	1					
Nephroscope 19 FR	Nos.	2					
Nephroscope 19.5 FR	Nos.	2					
Nephroscope 22 FR	Nos.	2					
Nephroscope 24 FR	Nos.	2					
Cystoscope with Telescope 30degree degree 4mm	Nos.	7					
Telescope 30degree degree10mm	Nos.	2					
Telescope 0 degree degree10mm	Nos.	1					
Nephroscope Peadiatric	Nos.	1					
Ureteroscope Peadiatric	Nos.	1					
Otis Urethrotome	Nos.	2					
Monopolar Working Element	Nos.	2					
Bipolar Working Element	Nos.	2					
Ureteroscope 7.5-8Fr	Nos.	3					
Autoclave Machine 4 Drum	Nos.	2					
OT Table for Plastic Surgery	Nos.	2					
Laproscope for Pead DT	Nos.	1					
Rigid Branchoscope with complete trolley	Nos.	1					
Flexible Branchoscope with complete trolley	Nos.	1					
Digital DR Systems celing type 1000mA	Nos.	1					
Digital DR Systems mobile	Nos.	1					
C-Arm Machine	Nos.	1					
Advance Electrosurgical Cautery Machine	Nos.	1					
Flexible Ureteroscope with accessories	Nos.	1					
Laser Resectoscope set with with its complete accessories	Nos.	1					
Disposable fexible ureteroscope with with its complete accessories	Nos.	1					
Donner camp chair for Outdoor camp	Nos.	17					
Blood Storage Regrigerator 2-8 degree celsius (1000 blood bag	Nos.	2					
Plasma Deepfreezer (40 Degree)	Nos.	2					
Deepfreezer(-26) for Ice Pack Making	Nos.	1					
Donor Coach Automatic bed	Nos.	10					
Blood Collection Monitor	Nos.	10					
Automated component extractor	Nos.	1					
Sterile Conecting device	Nos.	1					
Fully Automated Apheresis	Nos.	1					

equipment portable one							
Refrigerated Centrifused 16cups	Nos.	2					
Deep Freezer 80 Celsius for Plasma	Nos.	2					
Elisa Processor Fully automated 4 plate	Nos.	1					
Fully Automated Biochemistry analysler With protien Test	Nos.	1					
Total							

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.	**2022-23**		
2.	**2023-24**		
3.	**2024-25**		

Additional rows for information of other years can be inserted.

Signature

Seal

Annexure-XVIII Checklist

1.Make and Model with country of origin

Sr. No.	Equipment Name	Make	Model	Country of Origin
1	Electro Hydrolic OT Table(C-Arm Compatible)			
2	ULTRASONIC GENERATOR SYSTEM			
3	Gastro-Colonoscope with Flexible fiber optic Endoscope			
4	CAUTERY MACHINE WITH VESSEL SEALING AND SALINE RESECTION			
5	Leg Strirrups			
6	BOOK WALTER ABDOMINAL RETRACTOR			
7	BATTERY OPERATED OSCILLATING SAW			
8	ELECTRO CAUTERY MACHINE WITH VESSEL SEALING			
9	VIDEO COLONOSCOPY			
10	SURGICAL INSTRUMENT ASSORTED SET			
11	MICROSCOPE FOR PLASTIC AND RECONSTRUCTIVE VASCULAR SURGERY			
12	ANESTHESIA WORKSTATION WITH AGM MONITOR			
13	IBP, ECG, TEMP) with 10 beded Central Monitor station			
14	ADVANCED ELECTRO CAUTERY MACHINE WITH VESSEL SEALING			
15	HIGH-END VENTILATOR			
16	BATTERY OPERATED SAW			
17	DEFIBRILLATOR MACHINE			
18	STRESS TEST SYSTEM			
19	HEAD LIGHT BATTERY OPERTATED (4HR BACKUP PREFERRED SUOPTIC/LUX TECK)			
20	ABG MACHINE WITH CARTRIDGE			
21	TRANSOESOPHAGAL ECHO MACHINE			
22	PROSTATE MORCELLATOR			
23	MORCESCOPE			
24	PNEUMATIC LITHOTRIPTER WITH COMPRESSOR AND ACCESSORIES			

25	THULIUM FIBER LASER 60 WATTS			
26	Holmium Laser 120 watt with Fiber			
27	Nephroscope 19 FR			
28	Nephroscope 19.5 FR			
29	Nephroscope 22 FR			
30	Nephroscope 24 FR			
31	Cystoscope with Telescope 30degree degree 4mm			
32	Telescope 30degree degree10mm			
33	Telescope 0 degree degree10mm			
34	Nephroscope Peadiatric			
35	Ureteroscope Peadiatric			
36	Otis Urethrotome			
37	Monopolar Working Element			
38	Bipolar Working Element			
39	Ureteroscope 7.5-8Fr			
40	Autoclave Machine 4 Drum			
41	OT Table for Plastic Surgery			
42	Laproscope for Pead DT			
43	Rigid Branchoscope with complete trolley			
44	Flexible Branchoscope with complete trolley			
45	Digital DR Systems celing type 1000mA			
46	Digital DR Systems mobile			
47	C-Arm Machine			
48	Advance Electrosurgical Cautery Machine			
49	Flexible Ureteroscope with accessories			
50	Laser Resectoscope set with with its complete accessories			
51	Disposable fexible ureteroscope with with its complete accessories			

52	Donner camp chair for Outdoor camp			
53	Blood Storage Regrigerator 2-8 degree celsius (1000 blood bag			
54	Plasma Deepfreezer (40 Degree)			
55	Deepfreezer(-26) for Ice Pack Making			
56	Donor Coach Automatic bed			
57	Blood Collection Monitor			
58	Automated component extractor			
59	Sterile Conecting device			
60	Fully Automated Apheresis equipment portable one			
61	Refrigerated Centrifused 16cups			
62	Deep Freezer 80 Celsius for Plasma			
63	Elisa Processor Fully automated 4 plate			
64	Fully Automated Biochemistry analysler With protien Test			

2.Documents Checklist

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

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