KOLLAM DISTRICT COOPERATIVE HOSPITAL SOCIETY LTD Q 952

Palathara, Kollam

Pin: 691020

TENDER DOCUMENT

For

Supply & Installation of

BLOOD BANK EQUIPMENTS

Tender No: PDT -7/2019-2020/- BLOOD BANK EQUIPMENTS/NSMIMS

INDEX

SI.No.	Description	Page No.
1	Invitation for Tender	3
2	Scope & Description of Contract	5
3	Tender Schedule	6
1	Dataila of Equipment Tandarad	7
4	Details of Equipment Tendered	/
5	Specific Conditions of Contract	8
<u> </u>	Conditions of Contract	0
6	General Conditions of Contract	13
	Appendix	
7	Annexure-1 Manufacturer's Offer Form	41
8	Annexure-2 Manufacturer's Authorization Form	43
9	Annexure-3 Agreement	45
10	Annexure-4 Bank Guarantee Form	
11	Annexure-5 General Information about the Tenderer	
12	Annexure-6 Offer Form	
13	Annexure-7 Service Centre Details	55 57
14	Annexure-8 Power of Attorney	
15	Annexure-9 Annual Turnover Statement	
16	Annexure-10 Declaration Form	59
17	Annexure-11 Warranty Certificate	
18	Annexure -12 Technical Specification Sheet	

SECTION 1

INVITATION FOR TENDER

Sealed Tenders (Two Bid System) are invited for supply and installation of **BLOOD BANK EQUIPMENTS** For NS Memorial Institute of Medical Sciences (NSMIMS) under Kollam District- Cooperative Hospital Society Ltd Q 952.

Date of release of tender	:	13.12.2019	12 pm
Last date for purchase of tender document	:	23.12.2019	2 pm
Tender Submission End date	:	23.12.2019	3 pm
Date of Tender BID opening	:	23.12.2019	4 pm

Brief schedule

SI No	Description	EMD	Completion Period	Tender fees
1	BLOOD BANK EQUIPMENTS	Rs 100000/-	3weeks	Rs 2000/-

Tender documents can be downloaded from the website www.nshospital.org from 23.12.2019 till closing date of receipt of tender against a payment of non-refundable fee of Rs 2000/-(Rupees Two Thousand Only)) in the form of crossed Demand Draft drawn in favour of the Secretary, Kollam District Cooperative Hospital Society Ltd, Q 952 payable at Kollam. In the case of bid documents downloaded from the website mentioned above, the required fees as mentioned above has to be deposited at the time of submission of tender and non-submission of sufficient tender document cost as mentioned in Section III shall be one of the primary reasons for rejection of the offer in the first round.

SECTION II

SCOPE & DESCRIPTION OF CONTRACT

2.1 General Definitions

- 2.1.1 Society means Kollam District Cooperative Hospital Society Ltd Q 952, represented by the Secretary
- 2.1.2 Purchase Committee is a Sub Committee of the Board of Directors authorized to decide on the purchase of the drugs, equipments and other stores procured by the Society
- 2.1.3 Tender Inviting Authority is the Secretary, Kollam District Cooperative Hospital Society Ltd, Q 952 who calls for tenders and ensures supply, installation and after sales service of the items procured under this tender document.
- 2.1.4 Blacklisting/debarring the event of violation of any conditions of the tender document, more specifically those mentioned in the Specific Conditions of Contract (Section V) and General Conditions OfContract
 - (Section VI) of this tender document, the tenderers will be prevented for a period of 1 to 5 years from participating in the future tenders of Tender Inviting Authority, the period of debarring being decided on the basis of the number of violations in the tender conditions and the loss/hardship caused to the Tender Inviting Authority on account of such violations.

2.2 Scope

2.2.1 The tenders are invited for the supply, installation and commissioning of the BLOOD BANK EQUIPMENTS, the details of which are mentioned in Section IV, needed for Kollam District Cooperative Hospital Society Ltd, Q 952.

The tender can be withdrawn at any point of time, after the minimum price firmness period of 180 days, but not after accepting the Letter of Intent or entering into agreement with Kollam District Cooperative Hospital Society Ltd, Q 952 or without giving a one month's prior notice.

SECTION III

TENDER SCHEDULE

3.1. Tender Details

1	Tender No.	Tender No: PDT -7/2019-20/BLOOD BANK EQUIPMENT/ NSMIMS
2	Cost of Tender Document	Rs 2000/-
3	Earnest Money Deposit	Rs 100000/-
4	Performance Security	5% of the offered price (for successful tenders)
5	Validity of Performance Security	Up to 90 days after the date of completion of the contractual obligations

3.2. Important Dates

SINo.	Particulars	Date & Time
1	Date of release of tender	13.12.2019 12pm
2	Tender submission Start Date	13.12.2019 12pm
3	Tender submission End Date	23.12.2019 3pm
4	Date of technical bid opening	23.12.2019 4pm
5	Date of demonstration of the machine / equipments	To be informed to qualified tenderers qualifying after opening of technical bids
6	Date of opening of the price bid	To be informed to the qualifying tenders qualifying after demonstration

SECTION IV DETAILS OF EQUIPMENT TENDERED

4.1

SL. NO	Description	Quantity
1	DONOR STATION	02
2	BLOOD COLLECTION MONITOR	02
3	BLOOD BANK TUBESEALER	02
4	MULTIFUNCTION HAND STRIPPER	02
5	BLOOD BANK REFRIGERATOR	02
6	REAGENT REFRIGERATOR	01
7	ELISA PLATE READER	01
8	ELISA PLATE WASHER	01
9	CENTRIFUGE	01
10	WATER BATH	01
11	INCUBATOR	01
12	HOT AIR OVEN	01
13	a)HAEMOGLOBINO METER b)HAEMOCUE	01
14	BINOCULAR MICROSCOPE	01
15	GEL CARD CENTRIFUGE	01
16	GEL CARD INCUBATOR	01
17	VDRL/ROTARY SHAKER	01
18	FLOOR STANDING REFRIGERATED CRYOFUGE	01
19	BLOOD BANK REFRIGERATOR	01
20	DEEP FREEZER	01
21	PLASMA DEEP FREEZER	01
22	COUNTER BALANCE WEIGHING MACHINE	01
23	PLATELET INCUBATOR WITH AGGITATOR	01
24	PLASMA THAWING BATH	01
25	CRYO BATH	01
26	HORIZONTAL LAMINAR AIR FLOW	01
27	DIGITAL PH METER	01
28	PLASMA EXPRESSER	02
29	SLIDE VEIWING BOX	01
30	ELISA WORK STATION	01
31	MICRO PIPETTES (VARIABLE VOLUME)	2 each
32	MULTI CHANNEL PIPETTES FOR ELISA MANUAL	01
33	BLOOD BAG CARRIER	02

4.2 The detailed technical specifications and other quality parameters of the above equipment may be seen at the Appendix in Section VII-Technical Specifications

SECTION V

SPECIFIC CONDITIONS OF CONTRACT

5.1

SI. No	Activity	Time Limit
5.1.1	Installation / Delivery period	3weeks from date of confirmation of delivery from
5.1.2	Completion of installation	Tender Inviting Authority 3 weeks from the date of supply order
5.1.3	Comprehensive warranty period	3 years for all items supplied
5.1.4	Frequency of visits to NSMIMS during Warranty	One visit every 3 months (4 visits in a year) for periodic/preventive maintenance and any time for attending repairs/break down calls.
5.1.5	Submission of Performance Security and entering into contract	20 days from the date of issuance of Letter of Intent
5.1.6	Payment Installments of Price of equipments and ratio	3 Installments and in the ratio 70:20:10
5.1.7	Time for making payments by Tender Inviting Authority	Within 30 days from the date of submission of proper documents
5.1.8	Maximum time to attend any Repair call	Within 24 hours during warranty period
5.1.9	Uptime in a year	95 %

5.2. Pre qualification of tenderers:

- 5.2.1 Manufacturers or their authorized dealers/Indian subsidiaries/direct importers having a place of business in any of the States of India are eligible to participate in this tender. [Original Equipment Manufacturers shall submit the 'Manufacturer's Offer Form' (as per Annexure- I). The Letter of Authorization (as per Annexure-2) from the Original Equipment Manufacturer (OEM) shall be submitted in the case of a tenderer who is not the manufacturer of the equipment offered].
- 5.2.2 The tenderer or manufacturer of the equipment offered who is in the business of the supply and installation of the equipment for the last three calendar years.
- 5.2.3 Tenderers who submit all the necessary documents as prescribed for inclusion in the technical bid under cl.6.1 without any ambiguity and errors and who submit the requisite cost of the tender document and also the EMD prescribed.
- 5.2.4 The Tenderers who have an average annual turnover of Rs. 50 Lakhs for the last three completed financial years. The tenderer shall submit proof of the same (Notary attested copy of audited accounts, balance sheet, annual report etc.)
- 5.2.5 Tenderers who submit notary attested copy of IT returns filed for the last three years.
- 5.2.6 Tenderers who have the capability to attend repairs of the product within the time prescribed and who are willing to provide standby equipment or replace the faulty equipment if the repair/down time extends beyond 72 hours from the time of reporting of the fault within the next 48 hours (total down time should not exceed 5 days in one instance). The tenderers who have the capability to ensure the uptime mentioned in clause 5.1.10 (Documentary proof shall be submitted on the after sales facilities and expertise of the tenderer.)
- 5.2.7 Tenderers who have been blacklisted/ debarred by Tender Inviting Authority or blacklisted / debarred by any State Government or Central Government department/Organization or Cooperative Society should not participate in the tender during the period of such blacklisting.

5.3 Format and signing of bid.

- 5.3.1 The Tenderer shall prepare two copies of the bid, clearly making each "Original Bid" and "Copy of Bid" as appropriate. In the event of any discrepancy between them, the original shall govern.
- 5.3.2 The original and copy of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. Written power-of-attorney accompanying the bid shall indicate the letter of authorization. The person or persons signing the bid shall initial all pages of the bid, except for unlamented printed literature.
- 5.3.3 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder, in which case the person or persons signing the bid shall initial such corrections.

5.4 Submission of Bids

5.4.1 Sealing and marking of bids.

The bidders shall seal the original and the copy of the bid in an inner and an outer envelope, duly marking the envelopes as 'Original Bid' and 'Copy of Bid'.

- 5.4.2 The Inner and outer envelopes shall be:
 - (a) Addressed to the purchaser at the following address: -

"The Secretary,

Kollam District Cooperative Hospital Society Ltd Q 952.

NS Memorial Institute of Medical Sciences (NSMIMS),

Palathara

Kollam,

Kerala

Pin: 691020

- (b) Bear the Invitation for Tender number and the words "DO NOT OPEN BEFORE....." (Here insert the time and date of Bid opening).
- 5.4.3 The inner envelopes shall indicate the name and address of the bidder.
- 5.4.4 If the outer envelope is not sealed and marked as required herein, the purchaser will assume no responsibility for the bid's misplacement or premature opening.
- 5.4.5 Tenderers shall submit their bids in two parts as under:
 - (a) Technical bid, in duplicate, consisting of technical details bringing out clearly in a separate sheet, the deviations in specifications, if any, from that of 'Technical Specifications' and also clause-byclause compliance of specifications along with the commercial terms and conditions and bid security.
 - b) **Price bid** showing only item wise prices in a separate sealed cover inside the main cover.

- c) It may be noted that when the main cover is opened on the date and time scheduled for tender opening, only the technical bids will be opened.
- d) Only those tenderers whose technical bids are found to be substantially responsive and demonstration of the functioning of the equipment found satisfactory will be informed of the date and time of opening of their price bids. Price bids of others will not be opened.

5.5 Deadline for submission of bids.

- 5.5.1 Bids must be received by the purchaser at the address specified at para 5.4.2 not later than the time and date specified in the invitation for bids. In the event of the specified date for the submission of bids being declared a holiday for the purchaser, the bids will be received up to the appointed time on the next working day.
- 5.5.2 The purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents, in which case all rights and obligations of the purchaser and bidders which were subject to the previous deadline will thereafter be subject to the deadline as extended.
- 5.5.3 It is the responsibility of the bidders to ensure that the completed bidding documents are delivered to the Tender Inviting Authority before the closing date and time stipulated above for receipt of bid, failing which the bid would be considered late and rejected.

5.6 Late bids

5.6.1 Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser, will be summarily rejected.

5.7 Single bid

Any bid received by the purchaser in the form of a single bid incorporating both technical details and quoted price will be summarily rejected.

SECTION VI

GENERAL CONDITIONS OF CONTRACT

6.1 Contents of the Tender Document:

This 'Tender Document' contains the following:

- 6.1.1 Invitation for Tender (Section I)
- 6.1.2 Scope and Description of Contract (Section II)
- 6.1.3 Tender Schedule (Section III)
- 6.1.4 Details of Equipments Tendered (Section IV)
- 6.1.5 Specific Conditions of Contract (Section V)
- 6.1.6 General Conditions of Contract (Section VI)
- 6.1.7 Appendix: Documents Supplied by the Tender Inviting Authority
- 6.1.8 Annexures: Formats for submission of tenders by the tenderers

6.2 Tender Document

- 6.2.1 The detailed technical specifications and terms and conditions governing the supply, installation, commissioning and the after sales service of the products tendered are contained in this "Tender Document".
- 6.2.2 Tender documents can be downloaded from website www.nshospital.org. from 13/12/2019 till a closing date of receipt of tender against a payment of non-refundable fee of Rs2000/-(Rupees Two thousand only only)in the form of crossed Demand Draft drawn in favour of the Secretary, Kollam

District Cooperative Hospital Society Ltd Q 952 payable at Kollam. Tenderer shall submit Tender Document cost along with tender documents and non-submission of sufficient Tender document cost shall be one of the primary reasons for rejection of the offer in the first round.

6.2.3 The general guidelines on the tender process are as below;

6.3 Responsibility for Verification of Contents of Tender Document:

- 6.3.1 The purchasers of the tender form shall examine all instructions, forms, terms and conditions and specifications in the Tender Document and verify that all the contents mentioned under clause 6.1, are contained in the 'Tender Document'.
- 6.3.2 Failure to furnish any information required by the tender documents and submission of an offer not substantially responsive to it in every respect shall be at the tenderer's risk and may result in the rejection of the bids, without any further notice.

6.4 Guidelines for Preparation of Tender

- 6.4.1 The Tenderer shall bear all costs associated with the preparation and submission of its bid and the Kollam District Cooperative Hospital Society Ltd, Q 952, hereinafter referred to as the "Tender Inviting Authority", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
- 6.4.2 In the event of documentary proof as required not being enclosed, the Tender shall be liable to be rejected. All pages of the bid, except for unamendable printed literature, shall be signed by the authorized person or persons signing the bid along with the stamp of the tenderer.
- 6.4.3 Language of Bid:- The Bid prepared by the tenderer and all correspondence and documents relating to the bid exchanged by the Tenderer and the Tender Inviting Authority, shall be in English language only. Supporting documents and printed literature furnished by the Tenderer may be written in another language provided that they are accompanied by an authenticated accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the English translation shall govern.

- 6.4.4 The tender (in English Language only) for the supply of equipments mentioned in Section IV shall be submitted along with detailed specifications. A technical leaflet /brochure / literature in original shall be enclosed along with list of names of organizations to which the equipment with the same specifications have been supplied in India during the last three years. In case of copy of earlier work orders and the performance certificates supporting the claim of past performance of the tenderer, it shall be attested by the organization where the same has been supplied and installed.
- 6.4.5 The documentary evidence (other than those regarding supply and past performance) submitted along with the Tender shall be produced duly attested by the tenderer on every page and serially numbered. Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person (s) signing the offer.
- 6.4.6 Tenderer shall submit a declaration letter as per the format given as Annexure 10 and copy of amendments published, if any, signed by the tenderer or the authorized representative shall be enclosed as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.
- 6.4.7 An offer submitted in vague /ambiguous financial terms and the like, shall be deemed to be non-responsive and shall be summarily rejected.
- 6.4.8 Clarifications to specific requests shall be responded through e-mail and general clarifications, affecting all the tenderers shall be published in the official website of the Tender Inviting Authority.

6.5 Earnest Money Deposit (EMD):

- 6.5.1 EMD of unsuccessful tenderers will be discharged /returned promptly.
- 6.5.2 The successful tenderer's EMD will be discharged upon the tenderer signing the contract and furnishing the performance security.
- 6.5.3 No interest will be paid for the EMD submitted.
- 6.5.4 The EMD will be forfeited, if a tenderer,

- (a) Misrepresents facts or submits fabricated / forged / tampered / altered / manipulated documents.
- (b) Withdraws its bid after the opening of technical bid;
- (c) Fails to sign the contract after issuance of Letter of Intent
- (d) Fails to furnish performance security after issuance of Letter of Intent **6.6 Deadline for Submission of Tender**
- 6.6.1 Tenders shall be submitted before the last date & time prescribed and the Tender Inviting Authority shall not be held liable for any delay whatsoever.
- 6.6.2 The Tender Inviting Authority may, at its discretion, extend the deadline for submission of tender by amending the Tender Document, in which case, all rights and obligations of the Tender Inviting Authority and the tenderers previously subjected to the deadline shall thereafter be subjected to the deadline so extended.

6.7 Modification and Withdrawal of Bids

6.7.1 The tenderer can modify or withdraw bids submitted before the last date & time for submission.

6.8 Period of Validity of Tender

- 6.8.1 The tender must remain valid for minimum 180 days (six months) from the date of opening of price bid. A bid valid for a shorter period shall be rejected by the Tender Inviting Authority as non-responsive.
- 6.8.2 Withdrawal or non-compliance of agreed terms and conditions after the execution of agreement or issuance of Supply Order will lead to invoking of penal provisions and may also lead to black listing/debarring of the successful tenderer.

6.9 Acceptance / Rejection of Tenders:

6.9.1 It is not necessary that the offer of the firm quoting the lowest rates shall be accepted.

6.9.2 At any point of time, the Tender Inviting Authority reserves the right to cancel or modify the supply order even after it is awarded to the successful tenderer, in the event of the firm deviating from the agreed terms and conditions or as mutually agreed.

6.10 Notices

- 6.10.1 The Tender Inviting Authority shall publish the following information on its website at the appropriate time as part of ensuring transparency in the tender process;
 - a. The tender notices, documents, corrigendum, addendum etc, if any.
 - b. Amendments to the tender conditions, if any
 - c. Results of the responsiveness of the technical bids and minor infirmities/clarifications sought.
 - d. List of tenderers qualified for demonstration of equipment
 - e. Results of the demonstration of the equipment and provisional list of tenderers qualified for price bid opening.
 - f. Final List of technically qualified bidders.
- 6.10.2 Notice, if any, relating to the contract, given by one party to the other shall be sent in writing or by email and confirmed by post. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.
- 6.10.3 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

6.11 Other Terms and Conditions

6.11.1 All the terms and conditions in respect of warranty/guarantee, Training of Staff etc mentioned herein shall be complied with.

- 6.11.2 Technical Specifications and Standards: The Goods & Services to be provided by the successful tenderer under this contract shall conform to the technical specifications and quality control parameters mentioned in this document.
- 6.11.3 The tenderer shall be responsible for payment of any charges due to any statutory authorities such as Income Tax, GST, and Customs Duties etc.
- 6.11.4 If at any point of time it is found out that there is a responsibility to effect some statutory deduction at the source, the Tender Inviting Authority will have the authority to do so.

6.12 Tendering System

- 6.12.1 The tenders / bids are to be submitted in two covers.
- 6.12.2 PART-I is titled as TECHNICAL BID. The technical bid shall contain the complete technical specification, details on competency and financial stability of the tenderer, delivery and after sales conditions.
- 6.12.3 PART II is titled as PRICE BID (BOQ) has to be submitted.

6.14 Amendment of tender documents:

- 6.14.1 At any time prior to the deadline for submission of tender, the Tender Inviting Authority may, for any reason, modify the tender document by amendment.
- 6.14.2 The amendments shall be published in the website, and the tenderer shall

- submit copy of amendments published, if any, signed by the tenderer or the authorized representative as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.
- 6.14.3 The Tender Inviting Authority shall not be responsible for failure to inform the prospective tenderers for any notices published related to each tender. Tenderers are requested to browse website of the Tender Inviting Authority for information/general notices/amendments to tender document etc on a day to day basis till the tender is concluded

6.15 Contents of Bid submission.

- 6.15.1 Tender Document
- 6.15.2 Tender Document cost (in case Tender document is downloaded from the website)
- 6.15.3Earnest Money Deposit
- 6.15.4General information about the tenderer as per Annexure V
- 6.15.5 Annual turnover statement for last three years certified by the auditor as per Annexure IX.
- 6.15.6Offer form as prescribed in the Annexure-VI.
- 6.15.7 The documents proving that the tenderer is an Original Equipment Manufacturer or their principal dealer/importer for Kerala/ South India/India (Annexure I/II)
- 6.15.8 Declaration Letter as per Annexure X and copy of amendments, if any, duly signed in all pages by the tenderer or the authorized signatory.
- 6.15.9Price Bid
- 6.15.10 Power of Attorney as per format in Annexure VIII.
- 6.15.11 Notary attested documents such as articles of association/partnership deed etc, proof of incorporation, proving the registration of place of business and showing the details of partners/promoters/board of directors etc.

- 6.15.12 Notarized audited copies of the P& L Accounts, Balance Sheet, and annual report for the last three completed years certified by the auditors.
- 6.15.13 Notary attested copy of IT returns filed for the last three completed years.
- 6.15.14 Details of Service centers as per Annexure VII
- 6.15.15 Documents showing service centre facilities in Kerala/South India.
- 6.15.16 Technical literature, product data sheet. (Original brochure and other documents proving that the equipment tendered meets all the technical parameters laid down herein).
- 6.15.17 Comparative statement of the technical specifications and compliance with the supplier's offered model, deviations and justifications.
- 6.15.18 The documents such as supply orders, performance reports showing that the tenderer and manufacturer is having previous experience in the business of the supply and installation of the equipment offered.
- 6.15.19 List of Installations of the offered model in Kerala and South India (institutions with name/designation of the contact person, phone number/email)
- 6.15.20 Copy of Quality Certificate requested as per the technical specification (if applicable) for the offered model.

6.16 Opening of Tender

- 6.16.1 The date of technical bid opening is published in advance. However, the date of opening of price bid will be decided only after demonstration /
- obtaining clarification(s) from those who qualify in the technical bid and shall be conveyed to the qualified tenderers from time to time.
- 6.16.2 The opening of the technical bid and the price bid shall be done by the Tender Inviting Authority or his authorized representatives. The prospective tenderers or his/her representative who choose to attend the bid opening can attend the office of the Tender Inviting Authority for the opening of the bids.
- 6.16.3 In the event of the specified date for opening of Tender being declared holiday, the Tender shall be opened at the appointed time and venue on the next working day.

- 6.16.4 In the event of a tender (a) wherein the claims in the documents are materially missing or (b) if there is substantial error or (c) if the tenderer is unqualified for want of required qualifications, the tender shall stand disqualified and rejected. However, minor infirmities in the submission of documents will be allowed to be rectified so as to ensure qualification of maximum number of competitive offers to the final round.
- 6.16.5 The tenderer shall be responsible for properly uploading the relevant documents in the formats specified in the specific location and the Tender Inviting Authority shall not be held liable for errors or mistakes done while submitting the bid.
- 6.16.6 The date and time of opening the Price Bid will be announced only after the opening of the Technical Bid and demonstration of the features, operation etc of the equipment by the tenderers.

6.17 Evaluation of tender

6.17.1 Bid Evaluation Committee:

- 6.17.1.1 The commercial terms and documents submitted as part of the technical bid shall be scrutinized by a Bid Evaluation Committee constituted by the Tender Inviting Authority.
- 6.17.1.2 The Bid Evaluation Committee may also verify the veracity of claims in respect of the known performance of the equipment offered, the experience and reputation of tenderer in the field, the financial solvency etc.

6.17.2 Technical Committee:

6.17.2.1Evaluation of the technical bid shall be conducted by a Committee called the 'Technical Committee'. The demonstration of the machinery / equipment shall be conducted before the technical committee.

6.17.3Purchase Committee:

6.17.3.1 The recommendations of the Bid Evaluation Committee/Technical Committee will be further scrutinized by the Purchase Committee.

- 6.17.4 A tenderer, at any stage of tender process or thereafter, in the event of being found after verification by the Tender Inviting Authority, to indulge in concealment or misrepresentation of facts, in respect of the claims of the offer, shall be debarred/black listed.
- 6.17.5 The Tender Inviting Authority's decisions on the tender submitted shall be based on the decisions taken by the various committees and otherwise as per the clauses as mentioned above.
- 6.17.6 Arithmetical errors shall be rectified on the following basis: If a discrepancy occurs between words and figures, the amount in words shall prevail and the offer shall stand corrected to that effect. If the tenderer does not accept the correction of errors, his offer shall be rejected. The Tender Inviting Authority may waive any minor infirmity or non-conformity or irregularity in an offer, which does not constitute a material deviation, provided that the same shall not prejudicially affect the interest of the other tenderers.

6.18 Clarification of Bids

- 6. 18.1 During evaluation of bids, the Tender Inviting Authority may, at its discretion, give opportunity to the tenderer(s) for clarification of points raised by the bid evaluation committee or technical committee, as the case may be, on its bids submitted
- 6.18.2 The request for clarification and the response shall be in writing, either through email or by post.

6.19 Demonstration of technical specifications and performance:

- 6.19.1 Before the opening of the Price Bid, immediately after the opening of Technical Bid, the tenderer shall arrange for demonstration of the machine at own cost, either directly or through authorized Dealer /Distributors, as the case may be, for verification by the Tender Inviting Authority.
- 6.19.2 If it is not possible for the successful tenderer to provide the model offered which conforms to the exact specifications as per section IV, then it shall be open to the tenderer to submit a model with similar specifications for the demonstration, if agreed by the Tender Inviting Authority. The purpose of this exercise is to satisfy the Tender Inviting Authority about the ability of the tenderer to manufacture and supply those items of specified specifications of good quality. However, the successful tenderer will have to satisfy the Tender Inviting Authority during the installation of the first piece of accessories at any location specified that it conforms to the requirements of the Section IV and

- failure to supply the equipments as per the requirements will lead to forfeiture of performance security and may also lead to blacklisting/debarring the tenderer for a period of 3 to 5 years.
- 6.19.2 Failure to demonstrate the technical specification or performance of the items to the satisfaction of the technical committee or the Tender Inviting Authority will lead to automatic rejection of the tender and the price bid of such tenderers shall not be considered for opening of Price bids.
- 6.19.3 The Tender Inviting Authority's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by Tender Inviting Authority's inspector during demonstration as mentioned above.
- 6.19.4 Goods accepted by the Tender Inviting Authority at initial inspection and in final inspection in terms of the contract shall in no way dilute Tender Inviting Authority's right to reject the same later, if found deficient in terms of the warranty clause of the contract.

6.20 Price Bids

- 6.20.1The Price bids (BOQ) of the short-listed technically qualified tenderer(s) will be opened only after evaluation of Technical Bids. The short-listing of the tenderer(s) will be carried out on the basis of the technical evaluation and demonstration.
- 6.20.2The opening of the price bid shall be done by the Tender Inviting Authority or his authorized representative and only the Price Bids of those firms qualified in the detailed scrutiny and evaluation of the Technical bid and successful pre delivery inspection /demonstration, conducted by the Technical Committee/Tender Inviting Authority shall be opened in the second round.
- 6.20.3Price offered shall be all inclusive and in Indian Rupees. Price should be quoted for the supply, installation, training and successful commissioning of the accessories and fulfilment of warranty and aftersales service to the satisfaction of the NSMIMS.
- 6.20.4Fixed price: Prices quoted by the Tenderer shall be fixed during the period of the contract and not subject to variation on any account.

- 6.20.5Price variation due to statutory changes including excise/customs duty or GST may be considered during contract period before releasing the Letter of Intent/supply order on receipt of proper documents.
- 6.20.6There shall be no hidden costs.
- 6.20.7 Basic Price: The price of the equipment, accessories quoted shall be inclusive of ex-factory, ex-show-room, ex-warehouse, or off-the-shelf, or delivered, as applicable, all accessories / additional accessories / spares mentioned in the technical specification section IV, safe storage, on site assembly if any of the supplied goods, installation, testing and commissioning of the equipment, accessories, furnishing of detailed operations manual, service manual with circuit diagram and maintenance manual for each appropriate unit of supplied goods. Basic price shall also include loading unloading & stacking, all other taxes, duties & levies and incidental services if applicable.
- 6.20.8 Customs duty payable on the goods, if applicable, shall be indicated separately. The tenderer shall indicate the value of import items on which customs duty is payable
- 6.20.9 Tax (GST): Applicable Tax (GST) shall be quoted in numeric values and in Rupees
- 6.20.10 The packing, forwarding freight and insurance charges applicable shall be quoted separately in numeric values and in Rupees
- 6.20.11The total amount will be calculated and will be taken for evaluation and bid ranking.
- 6.20.12The tenderers shall offer prices of the accessories inclusive of all the accessories mentioned in the technical specification under and under no circumstances offer the essential equipments, without which the accessories cannot function properly, as optional or left un-quoted.

6.22 Award of Contract

- 6.21.1 Criteria: The contract will be awarded to the lowest evaluated responsive tenderer qualifying to the final round after scrutiny of the technical bids and demonstration of the accessories, i.e. after price bid opening. However the Tender Inviting Authority reserves the right to reject the claims of the lowest evaluated tenderer for sufficient reasons.
- 6.21.2 The details such as rates, the model of the accessories selected for award of the contract and the details of successful tenderers etc will be published during the period of price firmness on the website of the Tender Inviting Authority

6.23 Notification of Award/Letter of Intent (LOI)

- 6.23.1 Before expiry of the tender validity period, the Tender Inviting Authority will notify the successful tenderer(s) in writing, by registered / speed post or by email (to be confirmed by registered / speed post immediately afterwards) that its tender for accessories, which have been selected by the Tender Inviting Authority, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. This notification is undertaken by issuing a Letter of Intent (LOI) by the Tender Inviting Authority.
- 6.23.2 The successful tenderer, upon receipt of the LOI, shall furnish the required performance security and submit an agreement in the prescribed format within ten days, failing which the EMD will forfeited and the award will be cancelled.
- 6.23.3 The Notification of Award shall constitute the conclusion of the Contract.

6.24 Signing of Contract

- 6.24.1 The successful tender shall execute an agreement in the format as given under Annexure III for ensuring satisfactory supply, installation, commissioning and the aftersales service/support during the warranty period.
- 6.24.2The successful tenderer shall submit bank guarantee in the format as per Annexure IV as performance security.
- 6.24.3 Promptly after notification of award, within ten days from the date of the letter of intent, the successful tenderer shall return two copies of the contract (as per agreement Annexure III), both on `Rs 200/- stamp paper purchased in the name of the successful tenderer, duly signed and dated, to the Tender Inviting Authority by registered / speed post or in person.
- 6.24.4 The successful tenderer shall later extend the contract converting it as Comprehensive Maintenance Contract/Annual Maintenance Contract with the Tender Inviting Authority/three months prior to the completion of Warranty Period, if the Tender Inviting Authority desires so. The CMC will commence from the date of expiry of the Warranty Period.

- 6.24.5Assignment:-The successful tenderer shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Tender Inviting Authority's prior written permission.
- 6.24.6Subcontracts: The successful tenderer shall not subcontract the execution of the contract. Such action, if done without the knowledge of the Tender Inviting Authority prior to the entering of the contract, shall not relieve the successful tenderer from any of its liability or obligation under the terms and conditions of the contract.
- 6.24.7Modification of contract:- If necessary, the Tender Inviting Authority may, by a written order given to the successful tenderer at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- 6.24.7.1Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specifically manufactured for the Tender Inviting Authority,
- 6.24.7.2Mode of Demonstration
- 6.24.7.3Incidental services to be provided by the successful tenderer

6.24.7.4 Mode of Installation

- 6.24.7.5 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the successful tenderer to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly.
- 6.24.7.6 If the successful tenderer does not agree to the adjustment made by the Tender Inviting Authority, the successful tenderer shall convey its views to the Tender Inviting Authority within ten days from the date of the successful tenderer's receipt of the Tender Inviting Authority's amendment / modification of terms of the contract.

6.25 Performance Security

6.25.1There will be a performance security deposit amounting to the total value as mentioned in Section III excluding taxes, which shall be submitted by the successful tenderer to the Tender Inviting Authority within 10 days from the date of issuance of 'Letter of Intent'.

- 6.25.2The contract duly signed and returned to the Tender Inviting Authority shall be accompanied by a demand Draft or Bank Guarantee in the prescribed format.
- 6.25.3Upon receipt of such contract and the performance security, the Tender Inviting Authority shall issue the Supply Orders containing the terms and conditions for the execution of the order.
- 6.25.4Failure of the successful tenderer in providing performance security mentioned in Section III and/or in returning contract copy duly signed in time shall make the tenderer liable for forfeiture of its EMD.
- 6.25.5The Performance security shall be denominated in Indian Rupees as detailed below:
- 6.25.5.1 It shall be in any one of the forms namely Account Payee Demand Draft or Bank Guarantee issued by a Scheduled bank in India, endorsed in favour of the Tender Inviting Authority.
- 6.25.5.2In the event of any failure /default of the successful tenderer with or without any quantifiable loss to the Society including furnishing Bank Guarantee for CMC security, the amount of the performance security is liable to be forfeited.
- 6.25.5.3In the event of any amendment issued to the contract, the successful tenderer shall, within ten (10) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.

- 6.25.5.4Tender Inviting Authority will release the Performance Security without any interest to the successful tenderer on completion of the successful tenderer's all contractual obligations including the warranty obligations and after confirming that all the contractual obligations have been successfully complied with.
- 6. 25.5.5The Bank Guarantee submitted in the place of EMD/Security deposit shall be in the prescribed format; Bank Guarantee in no other form will be accepted and will lead to rejection of tenders.

6.26 Delivery and Installation

- 6.26.1The successful tenderer shall visit the NSMIMS and recommend preinstallation requirements. If the supplier fails to communicate any of such instances before delivery of equipment and cannot complete the installation within the stipulate period, Tender Inviting Authority shall deduct liquidated damages as per the tender conditions.
- 6.26.2The successful tenderer will have to arrange transportation of the ordered goods as per its own procedure and pay necessary insurance against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery and pay all necessary charges incidental till it is installed in the NSMIMS. It shall be ensured that the equipments arrive at the destination in good condition within the delivery period mentioned and as per the other requirements of the Tender Document.
- 6.26.3If at any time during the currency of the contract, the successful tenderer encounters conditions hindering timely delivery of the goods and performance of services, the successful tenderer shall inform the Tender Inviting Authority in writing within a week about the same and its likely duration and make a request to the Tender Inviting Authority for extension of the delivery schedule accordingly. On receiving the successful tenderer's communication, the Tender Inviting Authority shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of successful tenderer's contractual obligations by issuing an amendment to the contract.
- 6.26.4The successful tenderer is required to deliver the equipments and install the equipments at the site within time specified from the date of issue of the 'Supply Order' and demonstrate the specification/features as well as operation / performance of the product to the satisfaction of the Tender Inviting Authority.

6.27 Payment

- 6.27.1 The payment of the first installment of the price agreed will be made within thirty days from the date of installation of the equipment with its all necessary accessories specified in the supply order.
- 6.27.2 The original invoice submitted shall be in the name of the Tender Inviting Authority and the name of the consignee shall also be mentioned in it.
- 6.27.3 Requests for advance payment, payment against delivery or payment
- Through Bank against dispatched documents will not be considered. Part Payment at the agreed rate as per cl.5.1. Shall be considered in respect of equipments installed and the necessary Installation Certificate obtained.
- 6.27.4 The retained remaining (second) installment will be released on submission of the 'One month performance certificate' subject to recoveries, if any, either on account of non-rectification of defects/ deficiencies by the successful tenderer.

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- 6.27.5 The successful tenderer shall not claim any interest on payments under the contract.
- 6.27.6 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other taxes as applicable will be made from the bills payable to the successful tenderer at rates as notified from time to time.
- 6.27.7 The successful tenderer shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to the Tender Inviting Authority.
- 6.27.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Tender Inviting Authority, as and if permitted under the contract, the successful tenderer shall also certify that, in case it gets any refund out of such taxes and duties from the authorities concerned at a later date, it (the successful tenderer) shall refund the same to the Tender Inviting Authority forthwith.

6.28 After Sales Service conditions:

6.28.1The Tender Inviting Authority gives paramount importance to the aftersales service of the machinery/equipments installed to ensure smooth operation afterwards. The successful tenderer is required to undertake preventive maintenance and attend all repairs, if any, that may arise during the warranty period free of cost.

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6.28.2The aftersales terms and conditions will be strictly enforced and those tenderers who are willing to support the Tender Inviting Authority in its endeavor to provide trouble free operation/performance of the equipments for the prescribed period need only participate in the tender.

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6.28.3Failure to provide satisfactory after sales services during or after the warranty period and CMC/AMC will lead to blacklisting/debarring of the tenderers, but after issuing due notice and provide opportunity for being heard.

6.29 Guarantee/Warranty terms:

- 6.29.1The successful tenderer 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.
- 6.29.2The successful tenderer further has to warrant that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the successful tenderer that may develop under normal use of the supplied goods.
- 6.29.3All the equipments including the accessories supplied as per the technical specification in clause 4.2 should carry comprehensive warranty for a period mentioned under cl.5.1 in the first instance. During this period, the successful tenderer shall replace all defective parts and attend to all repairs/breakdowns 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 successful tenderer during the period of comprehensive warranty.

- 6.29.4The prospective tenderers, who are manufacturers, 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 d, if awarded. The OEM shall also assure continuity of service to their product, in the event of change in dealership of the tenderers their existing dealers could not provide service during the warranty 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.
- 6.29.5After sales service centre in Kerala preferably or at least in South India should be available as part of the pre-qualification criteria under cl.5.2.6 and the tenderer shall provide proof of their capability to undertake such maintenance/repair within the stipulated time.
- 6.29.6Site Visits: The successful tenderer shall visit the Institution as part of preventive maintenance as per the frequency mentioned under cl.5.1. during the warranty period. The tenderer shall attend any number of break down/repair calls as and when informed by the Tender Inviting Authority.
- 6.29.7Complaints should be attended properly, maximum within the time mentioned in clause 5.1.9. In case, the repair/fault duration is likely to exceed 72 hours, the successful tenderer shall arrange a standby equipment of the same make and model within next 48 hours (total down time should not exceed 5 days) as a stop-gap arrangement till the repair/fault is rectified and the stand by equipment shall perform in the same manner as regards a new equipment.
- 6.29.8Upon receipt of such notice for repair/breakdown from the TenderInviting Authority, the successful tenderer shall, within the period specified under cl.5.1.9, and with all reasonable speed, repair or replace the defective goods or parts thereof, without cost to the Tender Inviting Authority.
- 6.29.9 If the successful tenderer, having been notified, fails to rectify the defect(s) within the period specified in cl.5.1.9, the Tender Inviting Authority may proceed to take such remedial action as may be deemed necessary at the successful tenderer's risk and cost and without prejudice to any other rights which the Tender
 - Inviting Authority may have against the successful tenderer under the contract.

- 6.29.10 Failure to attend the repairs in time or failure to attend the stipulated preventive maintenance visit or failure to replace the defective equipments or to provide standby equipment if the fault/down time exceeds the stipulated period or to ensure the stipulated up-time in an year shall lead to imposition of a fine of Rs.500 for each day exceeding the stipulated period and/or forfeiture of the performance security and/or may lead to blacklisting/debarring of the defaulting tenderer.
- 6.29.11 A warranty certificate duly signed and with proper stamp of the institution concerned and also signed by the authorized signatory with the stamp of the successful tenderer shall be submitted to the Tender Inviting Authority for keeping it under safe custody along with the Installation Certificate.
- 6.29.12The equipment which requires quality assurance test shall be so tested free of cost immediately after installation, during the comprehensive warranty period, during the CMC / AMC period, by the demand of the Tender Inviting Authority and also when major spares are replaced.
- 6.29.13 Any mandatory approval required for installation shall be obtained by the successful tenderer in liaison with the respective authorities.
- 6.29.14The tenderer shall submit the activities to be carried out during the preventive maintenance visit.
- 6.29.15 The tenderer shall submit the parameters which require calibration and the

frequency of calibration required

- 6.29.16The tenderer shall submit the details of all major spares in the price bid cover.
- 6.29.17The tenderer shall undertake on-site calibration of the equipment every year as part of the aftersales service during the period of comprehensive warranty, and submit a 'calibration certificate' to the Tender Inviting Authority afterwards
- 6.29.18 The offered warranty includes
- 6.29.18.1 Visits to NSMIMS at frequencies prescribed under cl.5.1. as part of preventive maintenance.
- 6.29.18.2Testing & calibration as per technical/service/operation manual of the manufacturer or as per the period specified or as per the demand of the Tender Inviting Authority.
- 6.29.18.3Quality Assurance tests (if applicable).

The exclusion of warranty of any vital equipment parts will be compared with offers of other tenderers during evaluation of the bids and this may be taken into consideration in deciding the successful tenderer on the basis of expert advice.

6.29.19.5 The tenderer shall provide up-time warranty of complete equipment as mentioned in clause 5.1.10, the uptime being calculated on 24 (hrs) X 7 (days) basis failing which the extension of Warranty period will be extended by double the downtime period.

6.30 Spare parts

- 6. 30.1 The tenders shall offer prices for all the spares/reagents mentioned in the technical specifications separately in the price bid form.
- 6.30.2 Successful tenderer shall carry sufficient inventories to assure exstock supply of consumable spares for the goods so that the same are supplied to the Tender Inviting Authority promptly on receipt of order from the Tender Inviting Authority.
- 6.30.3The successful tenderer shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie

- on the Tender Inviting Authority for such replaced parts/goods thereafter.
- 6.30.4The Tender Inviting Authority may place orders for additional spares/consumables/reagents which are needed for the smooth performance/operation of the equipment and the successful tenderer shall be willing to supply the same in time at the cost offered in the price bid forms, failing which, such instances will be construed as a breach of tender conditions and lead to penal provisions.
- 6.30.5 The method of evaluation and comparison of prices will take into consideration the cost of the reagents as well.

6.321Training

- 6.31.1 The successful tenderer has to impart on-site training to Doctors/ Technicians/Para-medical staff on the operation and preventive maintenance of the equipment at the time of installation and anytime during warranty period to the satisfaction of the Tender Inviting Authority.
- 6.31.2 The training details shall be recorded in the installation certificate for enabling the Tender Inviting Authority to make the first 60% payment.

6.33 Imported Equipments

- 6.33.1 The Tender Inviting Authority shall in no way involve in the import of the equipments from foreign countries, if such equipments are manufactured outside the country. It shall be the solemn duty of the tenderer to import the equipments offered by paying the requisite consideration in foreign currency and following the stipulations issued by the Government of India, from time to time, in the import of equipments.
- 6.33.2The tenderers shall inform any advantages in prices to the Tender Inviting Authority because of reductions/exemptions in customs duty in case of imported equipments at the time of pre-tender meeting and the tender document shall be modified by amendment to that extent.
- 6.33.3The Tender Inviting Authority will not interfere in any manner with the import process and the successful tenderer shall be solely responsible for supply and installation of any equipment at the time and locations stipulated/agreed to in the bids.
- 6.33.4Successful tenderer shall carry sufficient inventories to assure exstock supply of consumable spares for the goods so that the same are supplied to the Tender Inviting Authority promptly on receipt of order from the Tender Inviting Authority.

6. 34 Intellectual Property Rights (IPR)

6.34.1 The successful tenderer shall, at all times, indemnify and keep indemnified the Tender Inviting Authority, free of cost, against all claims which may arise in respect of goods & services to be provided by the successful tenderer under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks.

6. 35 Corrupt or Fraudulent Practices

- 6.35.1. It is required by all concerned to observe the highest standard of ethics during the procurement process. In pursuance of this policy, the Tender Inviting Authority prescribes the following conditions:
- 6.35.2 "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence in the procurement process or in contract execution; and
- 6.35.3 "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Tender Inviting Authority, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Tender Inviting Authority of the benefits of free and open competition;
- 6.35.4 Tender Inviting Authority will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question; will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the Tender Inviting Authority if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.
- 6.35.5 No tenderer shall contact the Tender Inviting Authority or any of its officerson any matter relating to its bid, other than communications for clarifications and requirements under this tender in writing, with an intention to influence the members of various committees or officials of Tender Inviting Authority. Any such effort by a tenderer to influence the Tender Inviting Authority in the Tender Inviting Authority's bid evaluation committee, bid comparison or contract award decisions may result in rejection of the tenderers bid.

6.36 Force Majeure

- 6.36.1 For purposes of this clause, Force Majeure means an event beyond the control of the successful tenderer and not involving the successful tenderer's fault or negligence and which is not foreseeable and not brought about at the instance of the party claiming to be affected by such event and which has caused the non performance or delay in performance. Such events may include, but are not restricted to, acts, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees, lockouts excluding by its management, and freight embargoes.
- 6.36.2 If a Force Majeure situation arises, the successful tenderer shall promptly notify the Tender Inviting Authority in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Tender Inviting Authority in writing, the successful tenderer shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 6.36.3 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.
- 6.36.4In case due to a Force Majeure event the Tender Inviting Authority is unable to fulfill its contractual commitment and responsibility, the Tender Inviting Authority will notify the successful tenderer accordingly and subsequent actions taken on similar lines described in the above subparagraphs

6.37 Resolution of disputes

- 6.37.1 If dispute or difference of any kind shall arise between the Tender Inviting Authority and the successful tenderer in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 6.37.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the tender document, either the Tender Inviting Authority or the successful tenderer may give notice to the

other party of its intention to commence arbitration, as provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India.

- 6.37.3 In the case of a dispute or difference arising between the Tender Inviting Authority and a domestic Successful tenderer relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of the Board of Directors whose decision shall be final.
- 6.37.4 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., Kollam, Kerala State, India.

6.38 Applicable Law & Jurisdiction of Courts

- 6.38.1 The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.
- 6.38.2 All disputes arising out of this tender will be subject to the jurisdiction of courts of law in Kollam

6.39 General/ Miscellaneous Clauses

- 6.39.1 Nothing contained in this Contract shall be construed as establishing or creating between the parties, i.e. the successful tenderer/its Indian Agent/CMC Provider on the one side and the Tender Inviting Authority on the other side, a relationship of master and servant or principal and agent.
- 6.39.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 6.39.3The Successful tenderer shall notify the Tender Inviting Authority of any material change that would impact on performance of its obligations under this Contract.
- 6.39.4 Each member/constituent of the Successful tenderer in case of consortium shall be jointly and severally liable to and responsible for all obligations towards the Tender Inviting Authority for performance of contract/services including that of its Associates/ Sub Contractors under the Contract.

- 6.39.5The Successful tenderer shall, at all times, indemnify and keep indemnified the Tender Inviting Authority against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the successful tenderer/its associate/affiliate etc.
- 6.39.6 All claims regarding indemnity shall survive the termination or expiry of the contract.

6.40 Penalties for non-performance

- 6.40.1The penalties to be imposed, at any stage, under this tender are;
- 6.40.1.1 Imposition of liquidated damages,
- 6.40.1.2 forfeiture of EMD/performance security
- 6.40.1.3 Termination of the contract
- 6.40.1.4 blacklisting/debarring of the tenderer
- 6.40.2Failure to produce the requisite certificates after claiming to possess such certificates or concealment or misrepresentation of facts will not only lead to rejection of tenders in the first round itself and/or may lead to forfeiture of EMD or performance security as well as result in black listing/debarring of the tenderer.
- 6.40.3The penalties to be imposed on the tenderer, at any stage, will be decided on the basis of the violations of number of tender conditions specifically mentioned in the tender document as that leading to forfeiture or EMD/ Performance Security or leading to black-listing/ debarring.
- 6.40.4Any unexcused delay by the successful tenderer in maintaining its contractual obligations towards delivery of goods and performance of services shall render the successful tenderer liable to any or all of the following sanctions:
- 6.40.5 Liquidated damages:- If the successful tenderer fails to deliver any or all of the goods or fails to perform the services within the time frame(s) prescribed in the contract, the Tender Inviting Authority shall, without prejudice to other rights and remedies available to the Tender Inviting Authority under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% of the equipment to be supplied per

week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 15% of the contract price. Once the delivery period is exceeded, Tender Inviting Authority may consider termination of the contract. During the above-mentioned delayed period of supply and / or performance, the conditions incorporated shall also apply and Tender Inviting Authority shall seek alternate measures at the risk and cost of the successful tenderers.

- 6.40.5.1 The penalties imposed by the Tender Inviting Authority will be published on the website of the Tender Inviting Authority for a period as decided as appropriate by it.
- 6.40.5.2 The decision to impose penalties and finally to black list the defaulting firm will be final and shall be binding on all tenderers participating in this tender.

6.41 Termination of Contract

- 6.41.1 Termination for default:- The Tender Inviting Authority, without prejudice to any other contractual rights and remedies available to it (the Tender Inviting Authority), may, by written notice of default sent to the successful tenderer, terminate the contract in whole or in part, if the successful tenderer fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Tender Inviting Authority.
- 6. 41.2 In the event of the Tender Inviting Authority terminating the contract in whole or in part, the Tender Inviting Authority may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the successful tenderer shall be liable to the Tender Inviting Authority for the extra expenditure, if any, incurred by the Tender Inviting Authority for arranging such procurement.
- 6.41.3 Unless otherwise instructed by the Tender Inviting Authority, the successful tenderer shall continue to perform the contract to the extent not terminated.
- 6.41.4 Termination for insolvency: If the successful tenderer becomes bankrupt or otherwise insolvent, the Tender Inviting Authority reserves the right to terminate the contract at any time, by serving written notice to the successful tenderer without any compensation, whatsoever, to the successful tenderer, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to the Tender Inviting Authority.

- 6.41.5 Termination for convenience:- The Tender Inviting Authority reserves the right to terminate the contract, in whole or in part for its (Tender Inviting
- Authority's) convenience, by serving written notice on the successful tenderer at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Tender Inviting Authority. The notice shall also indicate inter alia, the extent to which the successful tenderer's performance under the contract is terminated, and the date with effect from which such termination will become effective. Further details could be obtained from the office of the Secretary, Kollam District Cooperative Hospital Society Ltd Q 952

6.42 Fall Clause

6.42.1 The prices charged for the equipment supplies under the contract by successful tenderer shall in no event exceed the lowest price at which the successful tenderer sells the equipments of identical description to any other persons during the period of contract. If any time, during the contract, the tenderer reduces the sales price chargeable under the contract, he shall forthwith notify such reduction to the Tender Inviting Authority and the price payable under the contract of the equipments supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

Annexure -1 MANUFACTURERS OFFER FORM

(To be submitted by manufacturers)

No.		Dated:
То		
The Secreta Kollam Distri	ry, ct Cooperative Hospital	Society Ltd Q 952
Sir,		
Tender No	:	
Equipment	Name :	
declare that equipment address wi	at we are the original m having registered o	(name of the OEM) nanufacturers of the above office at (Full ax number & email ID and
negotiate		nas been authorized to bid, ontract in regard to this er.
/warranty a	declare that we are willing nd after sales service du s per the above tender.	iring the period of

4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

(Name) for and on behalf of M/s

Date: (Name of manufacturers) Place:

Note: This letter of authority should be on the letter head of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

MANUFACTURER'S AUTHORISATION FORM

(to be submitted by authorized dealers/representatives/importers)

No.	Dated:
То	
The Secretary (Tender Inviting Authority Kollam District Cooperative I	,
Sir,	
Tender No :	
Equipment Name :	
original manufacturers of office at (Fundamed and was sometimes of the contract of the	(Name of the OEM) are the the above equipment having registered all address with telephone number/fax/rebsite), having factories at
M/ssubmit tenders, and subs	, do hereby authorized (Name and address of tenderer) to sequently negotiate and sign the contract tender no
	or individual other than are authorized to bid, negotiate act in regard to this business agains

- 3. We also hereby undertake to provide full guarantee/ warrantee /CMC/AMC as agreed by the tenderer in the event the tenderer is changed as the dealers or the tenderer fails to provide satisfactory after sales and service during such period of Comprehensive warranty/CMC/AMC and to supply all the spares/reagents during the said period.
- 4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

(Name) for and on behalf of
M/s

Date: (Name of manufacturers) Place:

Note: This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the

AGREEMENT

THIS AGREEMENT made on the Day of 2017 between
(Name and Address of Purchaser) represented by the Secretary
(Hereinafter "the Purchaser") on the one part and (Name and Address of
Supplier) (Hereinafter "the Supplier") represented by
(Name of the Authorized Signatory and Designation), Aged
years, residing at (Full Residential Address of the Signatory) on the
other part:
WHEREAS the Purchaser has invited tenders for the supply of(brief
description of goods and services vide tender nodatedThe supplier
has submitted technical and price bids and also demonstrated the technical
specifications / features / other quality requirements as contained in the tender
document. The Purchaser has finalized the tender in favor of the Supplier for the
supply of the said goods and services for a total cost of Rs (Contract
Price in Words and Figures) (Hereinafter "the Contract Price") and issued Letter of
Intent / Supply Order No dated

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 tender document referred to.
- 2. The following documents shall be deemed to form and be read and constructed as part of this Agreement, viz.:
 - a. all the documents submitted by the tenderer as part of technical bid and price bid;
 - b. the Schedule of Requirements;

- c. the Technical Specifications and other quality parameters;
- d. the clarifications and amendments issued / received as part of the tender document
- e. the General Conditions of Contract;
- f. the Specific Conditions of Contract; and
- g. the Purchaser's Letter of Intent
- 3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to supply, install and commission the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- 4. The *Purchaser* 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.

BRIEF PARTICULARS OF THE GOODS AND SERVICES WHICH SHALL BE SUPPORTED / PROVIDED BY THE SUPPLIER ARE:

SI. no	Brief description of goods	Quantity to be installed	Unit price (Rs)	Total Amount (3*4) (Rs)	Sales tax and other Taxes Payable (Rs)
1	2	3	4	5	6

Total value: 5+6

Delivery Schedule:

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

Signed, Sealed and Delivered by the said							`		
Delivered by the said (For the Supplier)					lier)				
	•	Designation		Address	with	Office	seal)	in	the

- 1. (Signature, Name and Address of witness)
- 2. (Signature, Name and Address of witness)

BANK GUARANTEE FORM

To,	
The Secretary Kollam District Cooperative Hospital Society Ltd Q 952	
WHEREAS	(Name and address of
the supplier) (Hereinafter called "th	e supplier") has undertaken, in
pursuance of Tender / Contract no_	dated
(herein after called "t	he contract") to supply the Kollam
District Co-operative Hospital Ltd wit	h
(Description of goods and supplies).	
AND WHEREAS it has been stipulated the supplier shall furnish you with a commercial bank recognized by you security for compliance with its ob contract;	bank guarantee by a scheduled for the sum specified therein as
AND WHEREAS we have agreed guarantee;	to give the supplier such bank
NOW THEREFORE we hereby affi responsible to you, on behalf of the Rs/- (supplier, up to a total amount of

(Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We undertake to pay you any money so demanded notwithstanding any dispute or disputes raised by the supplier(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under these presents being absolute and unequivocal.

We agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

No action, event, or condition that by any applicable law should operate to discharge us from liability, hereunder shall have any effect and we hereby waive any right we may have to apply such law, so that in all respects our liability hereunder shall be irrevocable and except as stated herein, unconditional in all respects.

This guarantee will not be discharged due to the change in the constitution of the Bank or the Supplier(s).

We, (indicate
the name of bank) lastly undertake not to revoke this guarantee during its
currency except with the previous consent, in writing, of Kollam District
Cooperative Hospital Society Ltd Q 952
This Guarantee will remain in force up to (Date) unless a claim or a
demand in writing is made against the bank in terms of this guarantee on
or before the expiry of (Date) all your rights in the said guarantee shall be
forfeited and we shall be relieved and discharged from all the liability
there under irrespective of whether the original guarantee is received by
us or not.
(Signature with date of the authorized officer of the Bank)
Name and decimation of the officer
Name and designation of the officer

Seal, name & address of the Bank and address of the Branch

GENERAL INFORMATION ABOUT THE TENDERER

	Name of the Tenderer			
1	Registered address of the firm			
	State		District	
	Telephone No.		Fax	
	Email		Website	
		Contact Person Det	tails	
0	Name		Designation	
2	Telephone No.		Mobile No.	
		Communication Add	Iress	
3	Address			

	State					Distr	District		
	Telephone No.					Fax	Fax		
	Email					Web	site		
Type of the Firm (Please ✓ relevant box)									
	Private Ltd.		Public Ltd	d.			Proprietorship		
4	Partnership		Society				Others, Speci	fy	
	Registration No. & Date of Registration								
		Natu	re of Bus	iness (F	Please	e ✓ relev	ant box)		
5	Original Equipment Manufacturer						uthorized Dealer / epresentative		
)	Direct Importer			Oth		Others,	Others, Specify		
	Key Personne	l Deta	ils (Chairı	man, CI	EO, Di	rectors,	Managing Par	tners etc.	
	In Case of Directors, DIN Nos. are required								

6	Name			Design	nation			
	Name	Designation						
7	Whether any criminal case was registered against the company or any of its Promoters in the past							
8	Other relevant Information provided * (here enclose the details such as presentation on the details of the tendered in a CD preferably, please avoid submission of detailed leaflets / brochures etc, if possible)							
Date	Э	Office Seal		5	Signature tender Author Signa	er /		

OFFER FORM

Having examined and accepting the conditions of the tender document no...... we here by submit this offer for the

	supply	& installation of		
	mentic	conformoned in section IV of the ment offered are as follows.	-	•
	SI. No	Name of the Equipment	Model	Original Equipment Manufacturer
Da	ate:	Office seal	•	ature of the Tenderer/ uthorized Signatory

SERVICE CENTRE DETAILS

Toll f	ree number, if any		
SI. No	Name and address of the service center (s)	Contac	ct Details
		Telephone No:	
1		Fax No:	
		Email ID.	
		Name of the Service Engineer	
		Mobile No.	
		Telephone No:	
		Fax No:	
2		Email ID.	
		Name of the Service Engineer	
		Mobile No.	

		Telephone No:	
		Fax No:	
3		Email ID.	
	•	Name of the Service Engineer	·
		Mobile No.	

Date: Office Seal Signature of the Tenderer / Authorized Signatory

POWER OF ATTORNEY

(On a Stamp Paper of relevant value)

I/ We	(Name and
address of the registered office) d	o hereby constitute, appoint and
authorize Sri/Smt	`
and address) who is presently employ	-
of	
attorney, to act and sign on my/our	
no for	
(Equipment name).	
I/ We hereby also undertake tl	nat I/we will be responsible for all
action of Sri/Smt	- · · · · · · · · · · · · · · · · · · ·
him/her during the tender process	
contract. His / her signature is attested	
3	
	Dated this theday of 201_
	For
(NI	ame, Designation and Address)
(IAC	ine, Designation and Address)
Accepted	
	(0)
	(Signature)
(Name, Title and Address of the	
Attorney) Date:	

Annexure-9 ANNUAL TURN OVER STATEMENT

	M/s	past three years are give	n helow an	d cartified	that	for	
		ement is true and correct.	ii belew an	a certifica	triat		
	SI.No	Year	Turnov	er in Lakhs (Rs)			
	1	2015-16					
	2	2016-17					
	3	2017-18					
		Total					
		Average Turnover per year					
Da	ate:						
Si	Signature of Auditor/ Chartered Accountant						
(N	Name in Capital)						
Se	eal:						

Annexure-10 DECLARATION FORM

I/We M/s	represer	nted by
ts Proprietor / Managing Partner / Managing Director hav	ing its Re	gistered
Office at	do	hereby
declare that I/We have carefully read all the conditions	of tende	er dated
for supply of MEDICAL EQUIPMENTS & F	URNITUE	Ξ
floated by the Kollam District Cooperative Hospital Soci	ety Ltd Q	952
and accepts all conditions of Tender.		

Signature of the Tenderer

Name in capital letters with Designation

Name of the Supplier:	Name of the Secretary
Signature:	Signature:
Seal:	Seal:

WARRANTY CERTIFICATE

(to be filled jointly by the Tenderer, & Representative of the Tender Inviting Authority individually for every equipment)

							Date:		
Supply order No :				. dated					
The instrument						(Item	Name)		
Model No		Beari	ng s	serial no				was ins	talled
successfully at	NSMIMS							is offered	d with
a comprehensive	warranty	for	а	period	of		Years	starting	from
	. to			includ	ing a	all the fo	llowing	accessorie	es;

No.	Name of the accessory	Manufacturer's name	

1. DONOR COUCH

No	Clause	Comply Yes/ No/NA	Remarks
1	Should be an automatic enveloping variable tilt chair.		
2	Should have movable arm rest		
3	Should have soft upholstery of 2 ½ inch thickness.		
4	Should have corded remote control for initiating the movements.		
5	Should have lockable fiber wheels.		
6	Should have provision for blood collection monitor stand and IV stand.		
7	Reclining and upright body positions should be possible.		
8	Should be able to adjust the back, head rest and raise the leg rest.		
9	Should have a lifting capacity of 150 kg OR more		
10	Height of the seat should be adjustable from ground.		
11	Back rest, leg rest and seat should be separable.		
12	Designed with two actuators for easy movement back rest & leg rest		
13	Electrical actuators and mechanism should be housed inside the structure		
14	Built in power point for BCM / Tube sealers		
15	Initiation of motor movement by wired remote (wireless - price as optional) with long lifetime- Up to 4 easy-touch buttons- Protection class: IP66 – 1m straight cable + 20 cm coiled cable- Hook for easy		
16	Should Meet ISO,CE / FDA (US) / STQC CB certificate / STQC S certificate		
17	Should work with input 200 to 240Vac 50 Hz supply.		

2. Blood collection Monitor

No	Clause	Comply Yes/ No/NA	Remarks
1	Should have a facility for gentle and uniform mixing of blood and anticoagulant.		
2	Should have facility to view the collection time		
3	Precise control on collection volume collection(microprocessor based system) best in class accuracy		
4	Oscillation details : 12 ± 2 RPM, Motor driven		
5	Should have motor activated clamping system and automatic clamping for low rate,<20 ml/min for more than two minutes		
6	Should be operated on 200-240Vac, 50Hz supply and have an inbuilt battery with minimum of 5 hours backup		
7	Pause facility to temporarily suspend the donation process		
8	Should have volume setting ranges from 50ml to 600ml or more in steps of 5ml, Automatic storage and recall of set volume.		
9	Broad base tray with non-slip surface accommodates all type of blood bags		
10	LCD/LED indication and audible alarm for debit flow when flow rate goes below 20 ml/mt or high flow rate above 180 ml/mt.		
11	LCD / LED indications and audible alarm at the end of collection		
12	Indication panel: Custom-designed composite LCD display with Visual Indication & Displays like parameters set volume, actual volume, flow rate etc		
13	Should have collection quantity indicator		
14	Should Meet ISO,CE / FDA (US) / STQC CB certificate / STQC S certificate		
15	Power Supply: 220-240 VAC, 50 Hz, Single phase		

3. Blood Bag Tube sealer

No	Clause	Comply Yes/ No/NA	Remarks
1	Compact design to seal Blood bag pilot tube by advanced Radio Frequency sealing system.		
2	Seals the tube in less than <2 seconds per tube without causing haemolysis, leakage of blood and able to separate by pulling.		

3	RF generation by Imported RF dielectric components	
4	Should have battery backup ,Number of seals per fully charged battery : approx. 500 seals	
5	Should have Adjustable sealing time between 1 to 3 seconds	
6	Maximum diameter of tube that can be sealed should be : 6mm	
7	Tube detection should be Automatic	
8	Operation : Continuous Operation	
9	Construction: Powder coated MS body or higher grade material and stainless steel protective cup for the sealing electrodes	
10	Easy to clean sealing electrodes	
11	Should have LED indications for battery, Ready, Seal, and power	
12	Sealing indications / Audio indications are provided	
13	Power Supply: 220-240 VAC, 50 Hz, Single phase	
14	Should Meet ISO,CE / FDA (US) / STQC CB certificate / STQC S certificate	

4. Multifunction hand stripper

No	Clause	Comply Yes/ No/NA	Remarks
1	Should be multi function hand stripper with metallic hand held instrument used for stripping, crimping and cutting of blood bag tube		
2	Should have adjustable roller to match with tube with variable diameter.		
3	Should be made of stainless steel body with grip material of plastisol.		
4	Roller material should be safe for blood bag tube.		
5	Should Meet ISO,CE standards		

5. Blood bank refrigerator - 300L

No	Clause	Comply Yes/ No/NA	Remarks
1	Stores required 120 to 150 nos. of 350/450 mL Blood Bags		
2	Working temperature : 4°c		
3	Refrigerator temperature ratings should be 2°C to 8°C with microprocessor based temperature controller with digital display for temperature and have an accuracy of ±0.1°C.		
4	User Parameter settings: set point, high alarm point, low alarm point, Temperature in centigrade.		
5	Audio visual alarm when the temperature deviates from the preset temperature		
6	It should have user parameter setting system like Set point, High/Low alarm point, Buzzer off time, C/F temperature choice		

7	Unique air flow system with circulating fan to ensure uniform temperature distribution	
8	Outer body made of Mild Steel with Epoxy powder coating/any other higher grade material	
9	Inner body made of AISI SS304 grade Stainless Steel	
10	CFC -Free Poly Urethane insulated cabinet and front door	
11	Air cooled & Hermetically sealed, imported CE marked Compressor	
12	Built-in 7 days Circular Chart Recorder with Ink pen having a range of -10°C to +40°C.	
13	Inner acrylic/glass door for easy view of blood bags without disturbing the air flow	
14	Keyed door lock for improved security with magnetic door gasket	
15	NTC and PT 100 Temperature sensors for temperature monitoring on Microcontroller and for managing use of compressor	
16	Rollout stainless steel blood bag baskets for perfect and homogeneous distribution of cold air	
17	CFC-free Refrigerant for environmental safety	
18	Provided with door locks	
19	Provided with Castor Wheels for easy and free mobility	
20	Clear and visible lighting provided inside	
21	Should have auto defrost facility	
22	Power: 220V/50-60Hz, Single Phase AC Meets ISO and CE standards	

6. Reagent refrigerator-300 L

No	Clause	Comply Yes/ No/NA	Remarks
1	Refrigerator temperature range should be 2°C to 8°C with microprocessor based temperature controller with digital display for temperature and have an accuracy of ±0.1°C.		
2	User Parameter settings: set point, high alarm point, low alarm point, Temperature in centigrade.		
3	Audio visual alarm when the temperature deviates from the preset temperature		
4	It should have user parameter setting system like Set point, High/Low alarm point, Buzzer off time, C/F temperature choice		
5	Unique air flow system with circulating fan to ensure uniform temperature distribution		
6	Outer body made of Mild Steel with Epoxy powder coating/any other higher grade material		
7	Inner body made of AISI SS304 grade Stainless Steel		
8	CFC -Free Poly Urethane insulated cabinet and front door		
9	Built-in 7 days graphic Chart Recorder with Ink Pen having range of -10°C to +40°C		
10	Keyed door lock for improved security with magnetic door gasket		

11	NTC probe & PT 100 Temperature sensors for temperature monitoring on	
	Microcontroller and for compressor	
12	Perforated Stainless steel Tray: 4 or 5 nos for homogeneous distribution of cold	
	air	
13	CFC-free Refrigerant for environmental safety, Front Door: Puff Insulates Mild	
	Steel powder coated opaque door	
14	Provided with Castor Wheels for easy and free mobility	
15	Provided with Auto- Defrost system, Clear and visible lighting provided inside	
16	Air cooled & Hermetically sealed, imported CE marked Compressor	
17	Power: 230V/50-60Hz, Single Phase AC	
	Meets ISO & CE standards	

7. Elisa reader (Micro plate reader)

No	Clause		to plate reader)	Comply Yes/ No/NA	Remarks
1	8 channels optical me	asuremer	nt system		
2	Single well / strip rea	iding cap	ability		
3	Onboard software ,PC	C and ela	borated PC Software		
4	Operating modes: Ab	sorbance	, Quantitative, Semi quantitative, Qualitative modes		
5	Micro plate type : 96 v	wells			
6	Measuring System	:	8 Channels fibre optics optical system		
7	Wavelength positions)	:	405, 450, 492, 630 nm (with 3 optional filter		
8	Linearity	:	0.000 to 3.000 O.D for 492nm		
9	Keypad	:	Touch screen/keyboard		
10	Shaking modes	:	3 or more options (weak to strong), vibration time		
11	Data Connectivity	:	RS 232, External USB printer		
12	Power Supply	:	230VAC, 50Hz		
13	Display	:	320 x 240 pixel STN-Blue monochrome LCD		
14	Read time should no	t be more	than 8 sec at single wavelength		
15	Repeatability	:	CV ± 0.3%		
16	Stability	:	Drift ± 0.003 O.D for 1 hour		
17	Should Meet ISO,CE	/ FDA (U	JS)		

8. Elisa washer (Micro plate washer)

NIa	Clause	Committee	Damarla
No	Clause	Comply Yes/ No/NA	Remarks
1	Easy to use touchscreen with high resolution LCD display		
2	Should have Program Tests Storing Capacity		
3	8 channels and 12 channels washing manifold		
4	Should have programmable washing time, volume and soaking time.		
5	Compatible with flat and Round bottom wells		
6	Shake Rate : 1 to 5 levels		
7	Shake Time : 0 to 255 see		
8	Residual Volume : ≤2 µl		
9	Washing System :1 to minimum 2 Wash buffer positions, 1 Pressure bottle and 1 waste liquid bottle, with liquid level monitor		
10	Bottle capacity >2L		
11	Washing accuracy ≤3 % at 300µl		
12	Should have removable and autoclavable plate carrier.		
13	Power Supply : 240VAC, 50/60Hz		
14	Operating Environment 10°C to 40°C		
15	Should Meet ISO,CE / FDA (US)		

9. Centrifuge

No	Clause	Comply Yes/ No/NA	Remarks
1	Should be supplied with safety lid and lock.		
2	Rotor: 12x20ml		
3	Should have digital timer		
4	Should have max speed above 4000 rpm		
5	Should have max RCF 1700XG		
6	Chamber must be stainless steel material		
7	Should have digital display of time and speed		
8	Should be brushless maintenance free		
9	Microprocessor controller with digital display Smooth & soft start		

10	Should work on 200-240Vac 50Hz power supply.	
11	Should Meet ISO,CE / FDA (US)	

10. Water Bath

No	Clause	Comply Yes/ No/NA	Remarks
1	Should have an approximate inner chamber dimension of 450mm x 300mm x 175mm.		
2	Temperature range: +5°C above ambient to 100°CC		
3	Temperature Accuracy: ±1°C @37°C		
4	The inner chamber and top lid should be made of stainless steel AISI 304		
5	Outer Body: MS Powder coated		
6	The space between the two walls should be packed with thick glass wool.		
7	Microprocessor based digital Temperature Controller with digital display		
8	Should work on 200-240Vac 50Hz power supply.		
9	Should Meet ISO,CE / FDA (US)		

11. Incubator

No	Clause	Comply Yes/ No/NA	Remarks
1	Should provide with a microprocessor based digital temperature controller with digital display for temperature values		
2	Should be double walled with stainless steel (AISI SS304) inner chamber having a minimum of two inner stainless steel shelves with holes and powder coated outer surface.		
3	Inner chamber should be fabricated with ribs for adjusting shelves to convenient height		
4	Should have double door with acrylic transparent door.		
5	Should have silicon gasket at the door.		
6	Temperature Range: 5°C above ambient to 60 °C Accuracy: ±1 °C		
7	Should work on 200-240Vac 50Hz power supply.		
8	Should Meet ISO,CE / FDA (US)		

12. Hot air oven

No	Clause	Comply Yes/ No/NA	Remarks
1	Should be made of double walled chamber -Inner made of stainless steel SS 304 grade and powder coated outer surface		
	0 1		
2	Should provide with three heating elements on three sides of the equipment		
	for uniform		

3	Should have temperature range between 50-250□C	
4	Should provide with a variable microprocessor based digital temperature controller	
5	Provision for monitoring the temperature with a thermometer	
6	Should provide with air ventilations.	
7	Should be provided with air circulating fan.	
8	Should work on 200-240Vac 50Hz power supply.	
9	Should Meet ISO,CE / FDA (US)	

13 a . Haemoglobinometer

No	Clause	Comply Yes/ No/NA	Remarks
1	Should have a direct read-out on LED display of hemoglobin in g/l or g/dl		
2	Should be ready for immediate use with no calibration required by the user		
3	Should have auto zeroing and switch to standby mode		
4	Simply inserting the cuvette should activate the meter and initiates reading of a test sample		
5	200nos of cuvettes shall be supplied free of cost along with the machine		
6	Should work on 200-240Vac 50Hz power supply.		
7	Should Meet ISO,CE / FDA (US)		

13 b . HaemoCue

No	Clause	Comply Yes/ No/NA	Remarks
1	Principle :- Absorbance measurement of whole blood at an Hb/HbO2 isobestic point.		
2	Measurement :- Dual Wave Length 570 mm and 880 mm for turbidity compensation		
3	System should consist of two parts - a disposable microcuvette containing dry reagent and factory calibrated analyzer		
4	Should have accuracy ±1.5 %		
5	Should have a measuring range of 0 – 25.6 g / dL		
6	Measuring time ≥ 10 Seconds.		
7	Storage Temperature :- Analyzer :- 0-50 °C (32-122 °F), Microcuvettes : unopened 10-40 °C		
8	Sample Volume ~10 μ L		
9	Power: AC adapter or 4 AA Batteries		
10	Interface: Printer and HemoCue Basic Connect including barcode scanner		

11	Quality Control :- Build-in "selftest"	
12	Should Meet ISO,CE / FDA (US)	

14. Binocular microscope

No	Clause	Comply Yes/ No/NA	Remarks
1	Viewing Head : 45° inclined 360° rotatable, IPD 54 – 74 mm		
2	Objectives: DIN Semi Plan Achromatic 4X ,10X 40X (Spring) & 100X Oil (Spring) and anti fungus treated		
3	Eyepiece: WF10X, FN 18 mm, Foldable Eye guard		
4	Mechanical Stage: 135 (W) X 124 (D) mm with low drive control Stage movement (XY direction)		
5	Illumination: Koehler illuminator 6 V 20 W halogen bulb		
6	Focusing: Coaxial Coarse and fine focusing		
7	Nosepiece : Quadruple revolving Condenser : Abbe condenser with N.A. 1.25 , with built-in daylight filter and Aperture iris diaphragm		
8	Packed in moulded stryofom box, with operation manual, dust cover and cleaning cloth		
9	Should work on 200-240Vac 50Hz power supply.		
10	Should Meet ISO,CE / FDA (US)		

15. Gel card Centrifuge

No	Clause	Comply Yes/ No/NA	Remarks
1	Centrifuge should have minimum 12 slots to accommodate 12 of immunohemotologic gel microcolum cards		
2	Automatic balance control		
3	Should have swing out suspension for gel cards		
4	Should have aerodynamic compact construction with vibration free performance		
5	Should have microcontroller programming with LCD screen displaying RPM or RCF ,time and other functions should be displayed real time		
6	The lid of the centrifuge should be transparent and should have auto locking during spinning		
7	Should work on 200-240Vac 50/60Hz power supply.		

8	Should Meet ISO,CE / FDA (US)	
9	Card Slots should be compatible with available micro column gel cards in the market	

16. Gel card Incubator

No	Clause	Comply Yes/ No/NA	Remarks
1	Should maintain temperature at 37 □ c		
2	Should have microcontroller programming with LCD screen Displaying time and temperature		
3	Should have audible programmable alarm to notify end of incubation period		
4	Should have specifically designed for incubating cassettes/cards		
5	Should have capacity to incubate 20 or more cassettes		
6	Should have digital display of temperature		
7	Should work on 200-240Vac 50/60Hz power supply.		
8	Should Meet ISO,CE / FDA (US)		

17. VDRL/Rotary shaker

No	Clause	Comply Yes/ No/NA	Remarks
1	Should have universal platform		
2	Should have heavy duty motor		
3	No slip rotating base		
4	Speed range 30 to 250 rpm , timer range 0-60 min		
5	Tray size 30 x 30 cm		
6	MOC : Powder coated mild steel or ABS body		
7	Should work on 200-240Vac 50/60Hz power supply.		
8	Should Meet ISO,CE		

18. Floor Standing Refrigerated Centrifuge (Microprocessor Controlled)

No	Clause	Comply Yes/ No/NA	Remarks
1	Floor standing Blood Bag Refrigerated Centrifuge		
2	8 x1 550 ml capacity, With wind shield		
3	Suitable for all blood bag types		

4	Brushless induction motor with micro processor control	
5	Anti corrosive SS interior, scratch & impact resistant exterior.	
6	Minimum Temperature range : -9°C to 40 °C adjustable to \pm 1°C with digital display	
7	Imported compressor unit with Non-CFC refrigerant. It measures up to environmental standards	
8	Maximum Speed RPM : 4000 or more (4100xg RCF)	
9	Sturdy Cabinet, Lid Lock, Imbalance Protection, Gas Spring, Process & Error display	
10	Acceleration & Deceleration modules LCD display with 30 programmable options with 0-99 min timer	
11	Should work on 200-240Vac 50/60Hz power supply.	
12	Should have touch screen keypad	
13	Should Meet ISO,CE / FDA (US)	

19. Blood bank refrigerator

No	Clause	Comply Yes/ No/NA	Remarks
1	Stores required 160 to 200 nos. of 350/450 mL Blood Bags		
2	Working temperature : 4°c		
3	Refrigerator temperature ratings should be 2°C to 8°C with microprocessor based temperature controller with digital display for temperature and have an accuracy of ±0.1°C.		
4	User Parameter settings: set point, high alarm point, low alarm point, Temperature in centigrade.		
5	Audio visual alarm when the temperature deviates from the preset temperature		
6	It should have user parameter setting system like Set point, High/Low alarm point, Buzzer off time, C/F temperature choice		
7	Unique air flow system with circulating fan to ensure uniform temperature distribution		
8	Outer body made of Mild Steel with Epoxy powder coating/any other higher grade material		
9	Inner body made of AISI SS304 grade Stainless Steel		
10	CFC -Free Poly Urethane insulated cabinet and front door		
11	Air cooled & Hermetically sealed, imported CE marked Compressor		
12	Built-in 7 days Circular Chart Recorder with Ink pen having a range of -10°C to +40°C.		
13	Inner acrylic/glass door for easy view of blood bags without disturbing the air flow		
14	Keyed door lock for improved security with magnetic door gasket		

15	NTC and PT 100 Temperature sensors for temperature monitoring on	
10	Microcontroller and for managing use of compressor	
16	Rollout stainless steel blood bag baskets for perfect and homogeneous	
10	distribution of cold air	
17	CFC-free Refrigerant for environmental safety	
18	Provided with door locks	
10		
19	Provided with Castor Wheels for easy and free mobility	
20	Clear and visible lighting provided inside	
	Power: 220V/50-60Hz,	
21	Meets ISO and CE standards/FDA (US)	
	vices 150 and CL standardy 1 DA (05)	

20. Vertical ultra freezer (Deep Freezer 300L (-80□)

No	Clause	Comply Yes/ No/NA	Remarks
1	Temperature range: -40°C to -80°C.	,	
2	Temperature control accuracy : ±1 °C@-35 °C and ±2 °C@-80 °C		
3	Temperature control and monitoring: Microprocessor based controller with digital display.		
4	Exterior body made of Mild Steel with epoxy powder coating Interior body and inner doors are made from AISI SS304 grade stainless steel		
5	Built-in rechargeable Battery backup for display and alarm function's.		
6	Intelligent time delay for dual stage controlling		
7	Door mounted control panel on eye-level location in upright model.		
8	Dual display for reading actual and set temperature simultaneously, lower display indicates functions and errors.		
9	Set point security system with key operated switch.		
10	Washable Filter for Protection of condenser fins.		
11	Reliable hot gas heated door frame prevents ice build-up in door opening.		
12	Multiple inner door made of stainless steel ensure minimum loss during door opening.		
13	Adjustable trays, trays can be placed as per your needs only in upright model.		
14	Efficient designed cascade system by hermetically sealed compressor.		
15	Aerodynamically designed condenser provides efficient cooling system.		
16	Safety functions for refrigeration system are provided.		
17	Audio / Visual Alarms for safety functions		

18	Built-in 7 days Circular Chart Recorder with Ink pen having a range of -100°C to +50°C	
	Heavy -duty castor wheels for easy mobility with locks.	
19	Power: 220V/50-60Hz,	
	Meets ISO and CE standards/FDA (US)	

21. Plasma/Deep Freezer 300L (-40 \square)

No	Clause	Comply Yes/ No/NA	Remarks
1	Temperature range: -10°C to -40°C with accuracy $\pm 1 \Box C$		
2	Temperature control and monitoring: Microprocessor based controller with digital display.		
3	Exterior body made of Mild Steel with epoxy powder coating Interior body and inner doors are made from AISI SS304 grade stainless steel		
4	Adjustable stainless steel shelves of minimum 4 nos		
5	Provided with separate Inner doors each compartment to prevent temperature loss		
6	Audio visual alarm for high and low temperature		
7	CFC & HCFC-free Imported refrigerant		
8	High capacity air cooled condenser		
9	Noise and Vibration Free Air cooled Hermetically sealed CE marked Imported Compressor		
10	Efficient body coiled evaporator		
11	CFC free high density PUF insulated body		
12	Keyed single door lock for improved security with magnetic door gasket		
13	Seven days graphic temperature recorder with ink pen and temp. range of $+50\Box C$ to $-100\Box C$		
14	Power: 220V/50-60Hz, Meets ISO and CE standards/FDA (US)		

22. Blood bag centrifuge counter balance weighing machine

No	Clause	Comply Yes/ No/NA	Remarks
1	Should have display for volume and weight		
2	Weight measurement capacity 2.5kg		
3	Indications: For zero set-LED, For gm/ml-LED, Over range on LCD, Indication on LCD when set Weight / Volume is achieved		
4	Input Supply: 230+/-10% VAC, 50 Hz Should have Standards: ISO 9001:2008, ENISO 13485: 2012		

23. Platelet Incubator with Agitator (+22°C) Capacity: 48 Bags & 24 Bags

No	Clause	Comply Yes/ No/NA	Remarks
1	Platelet Incubator		
	Temperature range: 20°C to 25°C		
2	Temperature accuracy: ±1°C		
3	Mild Steel powder coated exterior body, AISI SS 304 grade stainless steel interior body should have a glass door		
4	Imported Microprocessor based digital Temperature controller with digital display		
5	Circulating Fan for temperature uniformity		
6	Door opening alarm is provided		
7	Built-in 7 days graphic Chart Recorder with ink pen, with range of -10°C to $+40$ °C		
8	Air cooled hermetically sealed Imported compressor		
9	Power supply: 230V/50 Hz, Meets ISO and CE standards/FDA (US)		

Platelet Agitator

No	Clause	Comply Yes/ No/NA	Remarks
1	48 Platelets Bags holding Capacity		
2	Trays: Minimum 6 stainless steel 304 Removable Trays for easy handling		
3	Agitator Oscillation: 60±5 cycles/minute		
4	Separate pause switch to stop the agitation		
5	Mild Steel Powder coated basement		
6	Power supply: 230V/50Hz		
7	Meets ISO & CE standards/FDA (US)		

24. Plasma Thawing Bath Capacity: 16 bags

No	Clause	Comply Yes/ No/NA	Remarks
1	Bench Top type model		
2	Capacity : To accommodate approx. 16 Plasma Bags		
3	Operating Temperature at 37°C with Accuracy of ± 1 °c		
4	Programmable Temperature range : 37°C to 60°C		
5	Temperature control: CE marked Microprocessor controlled LED digital display		
6	Temperature sensor dipped directly into the water for sensing		
7	Outer body: Power coated Mild Steel Inner body: Stainless steel AISI SS 304		
8	Removable trays made of Acrylic for holding 16 plasma bags		
9	In-built Imported Circulating pump for uniform Thawing of Plasma		
10	Power: 220-240V, 50-60Hz		
11	Meets ISO & CE standards /FDA (US)		

25. Cryo bath

No	Clause	Comply Yes/ No/NA	Remarks
1	Temperature : 4°C		
2	Temperature Accuracy : ±1°C		
3	Stores required 16 nos. of 350/450 mL Blood Bags		
4	Outer body made of Mild Steel powder coated.		
5	Inner body made of AISI SS304 grade stainless steel		
6	CFC -Free Poly Urethane insulated cabinet and front door		
7	Air cooled & Hermetically sealed, imported CE marked Compressor		
8	Microprocessor based Temperature controller with Accuracy of ±1°C		
9	User Parameter settings: set point, high alarm point, low alarm point, Temperature in centigrade.		
10	Audio visual alarm when the temperature deviates from the preset temperature		
11	Accommodate 16 Plasma Bags		

12	Imported refrigeration system	
13	Imported water circulation pump for temperature uniformity	
14	Should have digital display for temperature	
15	Power: 220-240V, 50-60Hz	
16	Meets ISO, CE standards	

26. Horizontal Laminar Air Flow - 3x2x2 feet:

No	Clause	Comply Yes/ No/NA	Remarks
1	Body: Epoxy powder coated Mild Steel		
2	Working Surface: AISI SS 304 grade Stainless steel		
3	Side panels: Easy view Polycarbonate/Plain Glass		
4	Filter & pre-filters: Minipleat HEPA & Fine filters		
5	Filtration Size: up to 0.3 microns		
6	Filter Efficiency: 99.999%		
7	Lights: Fluorescent and UV		
8	Petcock for LPG gas		
9	Provided with Magnahelic gauge for air pressure		
10	Extra electrical point, 15amp, Multi-pin Socket		
11	Front Foldable Acrylic sash		
12	Castor wheels for easy movement		
13	Power: 220-240V, 50-60Hz		
14	Meets ISO, CE standards		

27. Digital pH Meter

No	Clause	Comply Yes/ No/NA	Remarks
1	Measures pH & mV		
2	Range Ph – 0 to14; mV- 0 to ±1999		
3	Highly stable and durable		
4	Temperature compensation facility		
5	Digital display for PH readings		
6	Auto polarity and decimal indication		
7	Accuracy: ±0.01 PH & ± mV		
8	Power: 220-240V, 50-60Hz		
9	Meets ISO, CE standards		

28. Plasma expresser

No	Clause	Comply Yes/ No/NA	Remarks
1	Suitable for separating plasma from all types of blood collection bags manually		
2	Spring loaded bag holder ensures that bag stays in position		
3	Compressor plate design to exert uniform pressure on donor bag minimizing chances of rapture of bag		
4	Mode of operation : manual		
5	Acrylic pressure/plate		
6	Meets ISO, CE standards		

29. Slide viewing box

No	Clause	Comply Yes/ No/NA	Remarks
1	For viewing of agglutination on slides		
2	Light Source - CFL or LED, Power Supply - 230 V AC		

30. Elisa Work Station

No	Clause	Comply Yes/ No/NA	Remarks
1	The system should be a fully automated, walk away system for microplate Elisa Assays		
2	It should be completely open in terms of reagents usable, microtitre plates, reagent containers and sample containers should be compatable with 3 rd and 4 th generation reagents		
3	It should have capacity to run minimum 4 parameters simultaneously.		
4	It should be a continuous loading system with sample capacity of 125 or above		
5	The system should have facility for individual functions like plate reading, washing or sample addition.		
6	The system should have additional plate positions to facilitate functions like automated sample addition in parallel to the 4 plates being processed for Elisa tests.		
7	The system should be able to handle a variety of routine specimen tubes		
8	The system should have very low dead volume for reagents, calibrators, wash buffers and samples for maximum economy of reagents and user convenience. The instrument should not give "insufficient reagent" warning when using reagents directly off the kit manufacture's reagent bottles.		
9	It should have plate agitation capability		
10	Pipetting System The system should have sufficient mechanism to detect improper pipetting due to clots, bubbles and specific ejection to sense low volume intake due to low sample volume		
11	It should be able to verify the addition of sample and/ or reagents to all the wells after dispensing at each stage		
12	The system should have disposable pipette tips or sufficient mechanism to ensure that no cross contamination occurs. For systems with reusable pipette tips, the manufacturer should guarantee that there is no cross contamination and sufficient references/ customer feedback should be provided from users who use the system for diagnostic applications ratifying the same.		
13	Incubator It should have 4 independent incubators with a maximum temperature of above 45°C. Accuracy +/- 1°C.		
14	Washer It should have 8 channel manifold, ability to wash any plate type		
15	It should have cross wash facility. Should have very low residual volume and should be demonstrated		
16	Waste container should have provision for preventing overflow and should have a full bottle alarm.		
17	Reader Reading range 0 to 3.0 OD		
18	Linearity +/- 1% up to OD 2.0		
19	Filter range 405 – 630 nm, minimum 4 narrow bandwidth filters; 405, 450, 492 and 620 nm. Provisions for adding 2 additional filters if required.		
20	Should have facility for dual wavelength reading		

21	The system should have facilities for data management, storage and Quality		
	control]	
22	The system should not require any hardware maintenance or calibration by	1	
	the user except routine cleaning		
	Any damage to robotic arms / probes due to crashing of probes caused by	1	
23	the malfunctioning of the machine or misalignment will be the sole		
	responsibility of the supplying firm and shall be rectified free of cost		
24	It should have a user friendly Graphical User interface based software.		
25	The system should be supplied in a complete system with all accessories,		
25	hardware like computer, printer etc. and required software.]	
	Any software or database updates should be done free of cost by the firm,	1	
26	during the life of the equipment, as and when it is released by the		
	manufacturer.]	
27	The system should have FDA/ IVD/CE certification for efficacy of the	1	
	system for diagnostic applications.		

- 31. Micro pipettes (variable volume) 10-100 μl , 20-200 μl , 100-1000 μl , 50-200 μl
- 32. Multi Channel Pipettes for Elisa Manual
- 33. Blood Bag Carrier