TENDER FOR SUPPLY & INSTALLATION OF BLOOD BANK EQUIPMENTS TO HIMACHAL PRADESH ON TURNKEY BASIS

IFB NO: HLL/CHO-CMO/HP-BB/EQP/2018-19, Dt. 18.02.2019

HLL LIFECARE LTD,
CORPORATE HEAD OFFICE,
POOJAPPURA,
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CIN: U25193KL1966GOI002621

INDEX

HLL LIFECARE LIMITED

(A Government of India
Enterprise) Projects Division
Corporate Head Office, Poojappura.P.O,
Thiruvananthapuram – 695012,
Kerala, India, Phone: 0471- 2354949, 2775588

IFB NO: HLL/CHO-CMO/HP-BB/EQP/2018-19, **Dt. 18.02.2019**

SECTION - I
NOTICE INVITING TENDERS

HLL Lifecare Limited hereby invites sealed bids under Two-Bid system from eligible suppliers/manufacturers/Consortium partners for rate contract for supply, installation and commissioning of **following Blood Bank Equipments on turnkey basis to various hospitals at Himachal Pradesh.**

Sr. No	Name of Equipment	Qty	Unit
1.	Blood Bank Refrigerator 600 ltrs	9	Nos.
2.	Refrigerator for kits and regents storage with digital display	25	Nos.
3.	ELISA Reader with Washer	9	Nos.
4.	Blood Donor Couch	25	Nos.
5.	Blood Collection Monitor with agitator	14	Nos.
6.	Dielectric Tube Sealer	24	Nos.
7.	Autoclave with temp. & pressure display	2	Nos.
8.	Cell Counter	2	Nos.
9.	Needle destroyer	13	Nos.
10.	Binocular Microscope	15	Nos.
11.	Incubator with thermostat	2	Nos.
12.	Mechanical Shaker for serological test	9	Nos.
13.	Haemoglobinometer	14	Nos.
14.	Table centrifuge with digital display	11	Nos.
15.	PQS Digital Temperature monitor	8	Nos.
16.	Insulated PQS Blood Transport box with Ice packs (for 8 blood bags)	4	Nos.
17.	Refrigerated Water Bath (Cryo Bath)	3	Nos.
18.	PH meter	2	Nos.
19.	Water Bath (Serological)	4	Nos.
20.	Laminar Airflow bench	1	No.
21	Refrigerated Centrifuge	3	Nos.
22.	Plasma Expresser (Manual/ Automated)	2	Nos.
23.	Platelet Incubator cum Agitator	1	No.
24.	Deep Freezer (-80o C)	1	No.
25.	Deep Freezer (-40o C)	1	No.

Sr. No	Name of Equipment	Qty	Unit
26.	Digital Analytical Balance	1	No.
27.	Plasma Thawing Bath	1	No.
28.	Sterile Connecting device	1	No.
29.	Coagulometer	1	No.
30	Civil & Electrical works	1	Job

Tender Documents will be issued by Projects Division, HLL Lifecare Limited (A Government of India Enterprise) Corporate Head Office, Poojappura.P.O, Thiruvananthapuram – 695012,from **18.02.2019 to 11.03.2019** on all working days between 11.00 AM and 4.00 PM, on payment of non-refundable tender fee of Rs 5,000/-. The tender may also be downloaded from our web site www.lifecarehll.com and the tender fee shall be submitted along with the tender in the form of Demand Draft taken in favour of HLL Lifecare Limited payable at Thiruvananthapuram. Failing to submit the tender fee, the bid is liable to be rejected. SSI/MSME units interested in availing exemption from payment of Tender Fee & EMD should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC and Udyog Aadhar. SSI/MSME units are not exempted from the Security Deposit, if the tender is awarded.

Last date and time of receipt of Tender : - 11.03.2019 at 14.00PM.
Date and time of opening of Tender : - 11.03.2019 at 15.00 PM.

Senior Manager (Projects)

SCHEDULE FOR SUBMISSION OF APPLICATION

EVENT	DATE
Starting date of sale of tender documents	18.02.2019
Last date of sale of tender documents	11.03.2019
Last date and time for submission of completed Tender	11.03.2019 at 14.00 PM
Date and time for Opening of Technical Bid	11.03.2019 at 15.00 PM

The completed Tender should be submitted before the due date and time of submission at the following address.

SENIOR MANAGER (PROJECTS),
Projects Division,
HLL Lifecare Limited
(A Government of India Enterprise)
Corporate Head Office, Poojappura.P.O,
Thiruvananthapuram – 695012,
Kerala, India

SECTION - II
GENERAL INSTRUCTIONS TO TENDERERS (GIT)
CONTENTS

SECTION – II
GENERAL INSTRUCTIONS TO TENDERERS (GIT)

A. PREAMBLE

1. Definitions and Abbreviations

1.1 The following definitions and abbreviations, which have been used in these documents shall have the meanings as indicated below:

1.2. Definitions:

(i) "Purchaser" means the organization purchasing goods and services as incorporated in the Tender Enquiry document.

(ii) "Tender" means Bids / Quotation / Tender received from a Firm / Tenderer /Bidder/Consortium.

(iii) "Tenderer" means Bidder/ the Individual or Firm or Consortium submitting Bids / Quotation / Tender

(iii) "Supplier" means the individual or the firm supplying the goods and services as incorporated in the contract.

(iv) "Goods" means the articles, material, commodities, furniture, fixtures, raw material, spares, instruments, machinery, equipment, medical equipment, etc. which the supplier is required to supply to the purchaser under the contract.

(v) "Services" means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.

(vi) "Earnest Money Deposit" (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.

(vii) "Contract" means the written agreement entered into between the purchaser and/or consignee and the supplier, together with all the documents mentioned therein and including all attachments, annexure etc. therein.

(viii) "Performance Security" means monetary or financial guarantee to be furnished by the successful tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit.

(ix) "Consignee" means the Hospital/Institute to whom the goods are required to be delivered as specified in the Contract.

(x) "Specification" means the document/standard that prescribes the requirement with which goods or service has to conform.

(xi) "Inspection" means activities such as measuring, examining, testing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.

(xii) "Day" means calendar day.

1.3 Abbreviations:

(i) "T E Document" means Tender Enquiry Document
(ii) "NIT" means Notice Inviting Tenders.
(iii) "GIT" means General Instructions to Tenderers
(iv) "SIT" means Special Instructions to Tenderers
(v) "GCC" means General Conditions of Contract

(vi) "SCC" means Special Conditions of Contract
(vii) "DGS&D" means Directorate General of Supplies and Disposals
(viii) "NSIC" means National Small Industries Corporation
(ix) "PSU" means Public Sector Undertaking
(x) "CPSU" means Central Public Sector Undertaking
(xi) "SSI" means Small Scale Industry
(xii) "LC" means Letter of Credit
(xiii) "DP" means Delivery Period
(xiv) "BG" means Bank Guarantee
(xv) "GST" Goods and Service Tax
(xvi) "RR" means Railway Receipt
(xvii) "BL" means Bill of Lading
(xviii) "FOB" means Free on Board
(xix) "FCA" means Free Carrier
(xx) "FOR" means Free On Rail
(xxi) "CIF" means Cost, Insurance and Freight
(xxii) "CIP (Destinations)" means Carriage and Insurance Paid up to named port of destination. Additionally the Insurance, local transportation and storage shall be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery
(xxiii) "DDP" means Delivery Duty Paid atnamed place of destination (consignee site)
(xxiv) "INCOTERMS" means International Commercial Terms as on the date of Tender Opening
(xxv) "RT" means Re-Tender
(xxvi) "CAMC" Comprehensive Annual Maintenance Contract

2. Introduction

2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – V and VI – "List of Requirements" and "Technical Specifications".

2.2 This section (Section II - "General Instruction Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.

2.3 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Availability of funds

Deleted.

4. Language of Tender

4.1 The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and the purchaser, shall be written in the English/Hindi language, unless otherwise specified in the Tender Enquiry. However, the language of any printed literature furnished by the tenderer in connection with its tender may be written in any other language provided the same is accompanied by an English translation and, for purposes of interpretation of the tender, the English translation shall prevail**.**

4.2 The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and the purchaser, may also be written in the Hindi language, provided that the same are accompanied by English translation, in which case, for purpose of interpretation of the tender etc, the English translations shall prevail

5. Eligible Tenderers

5.1 This invitation for tenders is open to all suppliers who fulfil the eligibility criteria specified in these documents.

6. Eligible Goods and Services

6.1 All goods and related services to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term "origin" used in this clause means the place where the goods are manufactured or from where the related services are arranged and supplied.

7. Tendering Expense

7.1 The tenderer shall bear all costs and expenditure incurred and/or to be incurred by it in connection with its tender including preparation, mailing and submission of its tender and for subsequent processing the same. The purchaser will, in no case be responsible or liable for any such cost, expenditure etc regardless of the conduct or outcome of the tendering process.

B. TENDER DOCUMENTS

8. Content of Tender Documents

8.1 In addition to Section I – "Notice inviting Tender" (NIT), the Tender documents include:

- Section II – General Instructions to Tenderers (GIT)
- Section III – General Conditions of Contract (GCC)
- Section IV – Special Conditions of Contract (SCC)
- Section V – List of Requirements
- Section VI – Technical Specifications
- Section VII – Quality Control Requirements
- Section VIII – Qualification Criteria

- Section IX – Tender Form for Technical Bid
- Section IX B – Tender Form for Price Bid
- Section X – Price Schedules
- Section XI – Bank Guarantee Form for EMD
- Section XII – Bank Guarantee Form for Performance Security/CAMC Security
- Section XIII – Manufacturer's/Distributor's Authorisation Form
- Section XIV– Contract Form' A '
- Section XV – Contract Form 'B'
- Section XVI – Proforma of Consignee Receipt Certificate
- Section XVII – Proforma of Final Acceptance Certificate by the consignee
- Section XVIII – Consignee List
- Section XIX - Check List

8.2 The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers are expected to examine all such details etc to proceed further.

9. Amendments to Tender documents

9.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it.

9.2 Such an amendment will be notified in Purchaser's Website www.lifecarehll.com and also in writing by registered/speed post or by e-mail, to all prospective tenderers, which have received the TE documents and will be binding on them.

9.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

10. Clarification of Tender documents

10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing. The purchaser will respond in writing to such request provided the same is received by the purchaser not later than 5 days prior to the prescribed date of submission of tender.

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

11.1 The **Two bid System**, i.e. "Techno–Commercial Tender" and "Price Tender" prepared by the tenderer shall comprise the following:

A) Techno–Commercial Tender (Un priced Tender)

i) Earnest money furnished in accordance with GIT clause 19.1

ii) Tender Form as per Section IX **(Un priced).**
iii) Documentary evidence, as necessary in terms of clauses GIT Clause 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's/ Distributor's Authorisation Form/Consortium as per the format in Section XIII.
v) Power of Attorney in favour of signatory of TE documents and signatory of Manufacturer's/Distributor's Authorisation Form.
vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
vii) Performance Statement as per section XVII along with relevant copies of orders and end users' satisfaction certificate.
viii) Price Schedule(s) as per Section X filled up with all the details including Make, Model etc. of the goods offered with prices blank **(without indicating any prices).**
ix) Certificate of Incorporation in the country of origin.
x) Checklist as per Section XIX.
xi) Technical Compliance Statement (specification points-wise) along with pamphlets/Catalogue.

B) <u>Price Tender:</u>

The information given at clause no. 11.1 A) ii) & viii) above should be reproduced with the prices indicated.

N.B.

All pages of the Tender should be page numbered and indexed.
It is the responsibility of tenderer to go through the TE document to ensure furnishing all required documents in addition to above, if any.

11.2 The authorized signatory of the tenderer must sign the tender duly stamped at appropriate places and initial all the remaining pages of the tender.
11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.
11.4 Tender sent by fax/telex/cable/electronically shall be ignored.

12. Tender currencies

12.1 The tenderer shall quote only in Indian Rupees.

Tenders, where prices are quoted in any other currency shall be treated as non -responsive and rejected.

13 Tender Prices

13.1 The Tenderer shall indicate on the Price Schedule provided under Section X all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services. All the columns shown in the price schedule should

be filled up as required. If any column doesn't apply to a tender, same should be clarified as "NA" by the tenderer.

13.2 Deleted.

13.3 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:

a) GST which will be payable on the goods shall be indicated in the SECTION X (a). in absence of GST, it will be treated as inclusive.
b) Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading, Positioning and other local costs incidental to delivery of the goods to their final destination as specified in Price Schedule;
c) The price of Incidental Services, as mentioned in Section V & VI, Price Schedule and GCC shall be considered;
d) The price of CAMC including all taxes and duties, as mentioned in GCC, SCC, List of Equipments, Technical Specification and Price Schedule shall be considered.

13.4 Additional information and instruction on GST:

13.4.1 The price will be taken inclusive of GST and no claim for the same will be entertained later.

13.5 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.
13.6 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
13.7 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

14. Indian Agent

14.1 If a foreign tenderer, the tenderer should have engaged an agent in India in connection with its tender and shall furnish the following information:

a) The complete name, address, contact person and contact number of the Indian Agent(s)/service centres and its permanent income tax account number as allotted by the Indian Income Tax authority.
b) The details of the services to be rendered by the agent for the subject requirement.
c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CAMC period.

15. Firm Price

15.1 Unless otherwise specified, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.

15.2 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 13 will apply.

16. Alternative Tenders

16.1 Alternative Tenders are not permitted.

17 Documents Establishing Tenderer's Eligibility and Qualifications

17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.

17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:

a) In case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's/Distributor's authorization letter /consortium to this effect as per the standard form provided under Section XIV in this document.
b) The tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section VIII in these documents.
c) In case the tenderer is not doing business in India, it is duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including payment of duties, taxes, levies, clearance of goods, freight, transport, insurance after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.
d) The tenderer shall quote for all items in the list of requirements, if any of the item not quoted then their bid will be treated as non responsive.
e) The items quoted shall be responsive to the requirements in the List of Equipments in the Tender.

18. Documents establishing Good's Conformity to Tender document.

18.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by the purchaser in the Tender documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the Tender documents to establish technical responsiveness of the goods and services offered in its tender.

18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.

18.3 If a tenderer furnishes wrong and/or misguiding data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

19. Earnest Money Deposit (EMD)

19.1

Sl No	Description	Tender Fee In Rs.	EMD amount in Rs.
1	Supply & installation of Blood Bank Equipments on Turnkey basis	5,000.00	5,00,000.00

Earnest Money shall be in the form of a Demand Draft from a nationalised bank issued in favour of HLL Lifecare Limited, Thiruvananthapuram, or in the form of an irrevocable Bank guarantee of any Nationalised Bank , which should be placed in a separate sealed cover marked "Earnest Money" and shall be submitted along with the tenders.

19.2 The earnest money shall be in Indian Rupees.

19.3 The earnest money in the form of BG shall be valid for a period of forty five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.

19.4 Unsuccessful tenderers' earnest money will be returned to them without any interest, not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.

19.5 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.

20. Tender Validity

20.1 If not mentioned otherwise, the tenders shall remain valid for acceptance for a period of 120 days after the date of tender opening prescribed in the Tender document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.

20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by e-mail or by surface mail. The tenderers, who agree to

extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly.

20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

21. Signing and Sealing of Tender

21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11

21.2 The original of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written and notarised power of attorney executed on non judicial stamp paper of Rs.300/-, which shall also be furnished along with the tender.

21.3 All the copies of the tender shall be duly signed at the appropriate places as indicated in the Tender documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

21.4 The tenderer is to seal the tender in envelopes, and write the address of the purchaser and the tender reference number on the envelopes. The sentence "NOT TO BE OPENED" before 11.03.2019, 15.00 Hrs (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its misplacement, premature opening, late opening etc.

21.5 Tender document seeks quotation following **Two Bid System**, in two parts. First part will be known as **'Techno - Commercial Tender'**, and the second part **'Price Tender'** as specified in clause 11 of GIT. Tenderer shall seal **'Techno - Commercial Tender'** and **'Price Tender'** separately and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

22.1 Tenders shall be submitted to HLL Lifecare Ltd., by hand or through registered post or courier service at the address given below and not later than 14.00 Hrs on 11.03.2019. In respect of Applications received by post or courier, HLL shall not assume any responsibility for any delayed delivery. Documents submitted in connection with this tender will be treated confidential.

The Tenders should be addressed to:

SENIOR MANAGER (PROJECTS),
Projects Division,
HLL Lifecare Limited (A Government of India Enterprise) Corporate Head Office, Poojappura.P.O, Thiruvananthapuram – 695012,
Kerala, India
Phn: 0471- 2354949, 2775588
E-mail: harikrishnankp@lifecarehll.com, choprojects@lifecarehll.com

22.3 Purchaser may at its discretion, extend the deadline for the submission of Tender, in which case all rights and obligations of Purchaser and the Tenderer subject to the previous deadline shall thereafter be subject to the deadline as extended.

23. Late Tender

23.1 A tender, which is received after the specified date and time for receipt of tenders will be treated as "late" tender and will be ignored.

24. Alteration and Withdrawal of Tender

24.1 The tenderer, after submitting its tender, is permitted to withdraw/alter/modify its tender so long as such withdrawal/alterations /modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

24.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender.

E. TENDER OPENING

25. Opening of Tenders

25.1 The tenders will be opened at the specified date and time and at the specified place as indicated in the Schedule for submission of tenders.

In case the specified date of tender opening falls on/is subsequently declared a holiday or closed day for the purchaser, the tenders will be opened at the appointed time and place on the next working day.

25.2 Authorized representatives of the tenderers, who have submitted tenders on time may attend the tender opening provided they bring with them letters of authority from the corresponding tenderers.

25.3 Two -Bid Tender system as mentioned in para 21.5 above will be as follows. The **Techno - Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by

the competent committee/ authority with reference to parameters prescribed in the TE document. During the Techno - Commercial Tender evaluation, the tender opening official(s) will assess the salient features of the tenders like brief description of the goods offered, delivery period, Earnest Money Deposit and any other special features of the tenders, as deemed fit by the tender opening evaluation committee. Thereafter, in the second stage, the Price Tenders of only the Techno - Commercially acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno – Commercial tender. The prices, special discount if any of the goods offered etc., as deemed fit by tender opening official(s) will be read out. The price bid of bidders who do not qualify based on the evaluation of technical bids shall be returned unopened.

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

26.1 Tenders will be evaluated on the basis of the terms & conditions already incorporated in the Tender document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders. For evaluating the Techno commercial bid, the purchaser may at its discretion call for demonstration/ presentation/ samples etc.

27. Responsiveness

27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.

27.2 Prior to the detailed evaluation of Price Tenders, the Purchaser will determine the substantial responsiveness of each Tender to the Tender Document. For purposes of these clauses, a substantially responsive Tender is one, which conforms to all the terms and conditions of the Tender Documents without material deviations. Deviations from, or objections or reservations to critical provisions such as those concerning Performance Security (GCC Clause 5),Warranty (GCC Clause 15), EMD (GIT Clause 19), Taxes& Duties (GCC Clause 20),Force Majeure (GCC Clause 26) and Applicable law (GCC Clause 31) will be deemed to be a material deviation. The Purchaser’s determination of a Tender’s responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.

27.3 If a Tender is not substantially responsive, it will be rejected by the Purchaser and cannot subsequently be made responsive by the Tenderer by correction of the nonconformity.

27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the Tender document. The tenders, which do not meet the basic requirements, are liable to be treated as non – responsive and will be summarily ignored.

27.5 The following are some of the important aspects, for which a tender shall be declared non – responsive and will be summarily ignored;

(i) Tender form as per Section IX (signed and stamped) not enclosed
(ii) Tender is unsigned.
(iii) Tender validity is shorter than the required period.
(iv) Required EMD (Amount, validity etc.) have not been provided.
(v) Tenderer has quoted for goods manufactured by other manufacturer's/ Distributor's without the required Manufacturer's/ Distributor's Authorisation Form/consortium as per Section XIII.
(vi) Tenderer has not agreed to give the required performance security.
(vii) Goods offered are not meeting the tender enquiry specification and in demonstration.
(viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
(ix) Poor/ unsatisfactory past performance.
(x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
(xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1 and Section VIII
(xii) Submission of false information in the Tender.
(xiii) Erasure or over-writing in the tender is without initialled by the person(s) signing the tender as per GIT clause 21.

28. Minor Infirmity/Irregularity/Non-Conformity

28.1 If during the preliminary examination, the purchaser finds any minor infirmity and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenderers. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post/Courier etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

29 Discrepancies in Prices

29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.

29.4 If, as per the judgement of the purchaser, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered/speed post/Courier. If the tenderer does not agree to the observation of the purchaser, the tender is liable to be ignored.

30. Qualification Criteria

30.1 Tenders of the tenderers, who do not meet the required Qualification Criteria prescribed in Section VIII, will be treated as non - responsive and will not be considered further.

31. Tender currency (Indian Rupee)

31.1 The TE document permits the tenderers to quote their prices in Indian Rupees only.

32. Items Evaluation

The List of Requirements contains more than one item. The responsive tenders will be evaluated and compared only on package cost as a turnkey tender. However the quotes shall be with item-wise unit cost and total cost with applicable taxes/duties for each and every equipment in the List of Requirements separately.

33. Comparison of Tenders

The comparison of the responsive tenders shall be carried out on Free Delivery at consignee site basis. The price ranking will be carried out as under.

Total price = Price with all accessories as per technical specification in the format given in Section – X (A)

The tenderers shall also quote for CAMC price for 5 years as per Section – X (B) separately. Failing which the bid is liable to be rejected.

34. Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders

34.1 Further to GIT Clause 34 above, the purchaser's evaluation of a tender will include and take into account the following:

In the case of goods manufactured in India or goods of foreign origin already located in India, GST & other similar applicable additional charges etc which will be contractually payable by the tenderer.

34.2 The purchaser's evaluation of tender will also take into account the additional factors, if any, incorporated in other Sections, in the manner and to the extent indicated therein.

35. Tenderer's capability to perform the contract

35.1 The purchaser, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily.

35.2 The above-mentioned determination will, interalia, take into account the tenderer's financial, technical and production/execution capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and

details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

36. Contacting the Purchaser

36.1 From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.

36.2 In case a tenderer attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by the purchaser.

G. AWARD OF CONTRACT

37. Purchaser's Right to accept any tender and to reject any or all tenders

37.1 The purchaser reserves the right to accept in part or in full any tender or reject any or more tender(s) without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.

38. Award Criteria

The contract will be awarded to the lowest evaluated responsive tenderer decided by the purchaser as per clause 33 to 36 of GIT.
Only those bidders who qualify at the techno- commercial stage will be eligible for opening of price bids.

39. Variation of Quantities at the Time of Award/ Currency of Contract

39.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" without any change in the unit price and other terms & conditions quoted by the tenderer.

39.2 If the quantity has not been increased at the time of the awarding the contract, the purchaser reserves the right to increase the quantity of goods and services mentioned in the contract without any change in the unit price and other terms & conditions mentioned in the contract, during the currency of the contract period.

40. Notification of Award

40.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by email that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to the purchaser the required Performance Security within Thirty days from the date of dispatch of the notification of award, failing which the

EMD will be forfeited and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section III

41. Issue of Contract

41.1 Promptly after notification of award, the Purchaser will mail the Contract Form (as per Section XIV and XV) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.

41.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser by registered / speed post.

42. Non-receipt of Performance Security and Contract by the Purchaser

42.1 Failure of the successful tenderer in providing performance security and / or returning contract copy duly signed in terms of GIT clauses 41 and 42 above shall make the tenderer liable for forfeiture of its EMD and, also, for further actions by the Purchaser against it as per the clause 24 of GCC – Termination of default.

43. Return of EMD

43.1 The earnest money of the successful tenderer and the unsuccessful tenderers will be returned to them without any interest, whatsoever, in terms of GIT Clause 19.4 and 19.5.

44. Corrupt or Fraudulent Practices

44.1 It is required by all concerned namely the Consignee/ Tenderers/ Suppliers/ Consortiumetc to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser: -

defines, for the purposes of this provision, the terms set forth below as follows:

"corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and

"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 Purchaser, 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 Purchaser of the benefits of free and open competition;

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 purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

SECTION - III
GENERAL CONDITIONS OF CONTRACT (GCC)
TABLE OF CLAUSES

SECTION - III

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

1.1 The General Conditions of Contract incorporated in this section shall be applicable for this purchase to the extent the same are not superseded by the Special Conditions of Contract prescribed under Section IV, List of requirements under Section V and Technical Specification under Section VI of this document.

2. Use of contract documents and information

2.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of the purchaser in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this TE document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.

2.2 Further, the supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC sub-clause 2.1 above except for the sole purpose of performing this contract.

2.3 Except the contract issued to the supplier, each and every other document mentioned in GCC sub-clause 2.1 above shall remain the property of the purchaser and, if advised by the purchaser, all copies of all such documents shall be returned to the purchaser on completion of the supplier's performance and obligations under this contract.

3. Patent Rights

3.1 The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trade marks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.

4. Country of Origin

4.1 All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.

4.2 The word "origin" incorporated in this clause means the place from where the goods are, manufactured, or from where the services are arranged.
The country of origin may be specified in the Price Schedule.

5. Performance Security

5.1 Within thirty (30) days from date of the issue of notification of award by the Purchaser, the supplier, shall furnish Performance Security to the Purchaser for an amount equal to ten percent (10%) of the total value of the contract, valid up to 60 days after the date of completion of 5 years warranty period / all contractual obligations by the supplier, including the warranty obligations, initially valid for a total period of minimum 62 months from the date of Notification of Award.

5.2 The Performance security shall be denominated in Indian Rupees.

a) It shall be in any one of the forms namely Account Payee Demand Draft drawn from any Nationalised bank in India or Bank Guarantee issued by a Nationalised bank in India, in the prescribed form as provided in section XII of this document in favour of the Purchaser. The validity of Bank Guarantee will be for a period up to sixty (60) days beyond respective Warranty Period.

5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the Purchaser the amount of the performance security is liable to be forfeited. The Purchaser may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Purchaser.

5.4 In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) 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.

5.5 The supplier shall enter into CAMC as per the 'Contract Form – B' in Section XV with Purchaser/Purchaser's Client, 3 (three) months prior to the completion of Warranty Period. The CAMC will commence from the date of expiry of the Warranty Period.

5.6 Subject to GCC sub – clause 5.3 above, the Purchaser will release the Performance Security without any interest to the supplier on completion of the supplier's warranty and contractual obligations including submission of satisfactory performance certificates received from Hospital authorities towards quarterly preventive maintenance and breakdown maintenance services rendered by the contractor during warranty period.

6. Technical Specifications and Standards

6.1 The Goods & Services to be provided by the supplier under this contract shall conform to the technical specifications and quality control parameters mentioned in 'Technical Specification' and 'Quality Control Requirements' under Sections VI and VII of this document.

7. Packing and Marking

7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transhipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the

packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VI and VII and in SCC under Section IV. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

7.3 Packing instructions:

Unless otherwise mentioned in the Technical Specification and Quality Control Requirements under Sections VI and VII and in SCC under Section IV, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:

a. contract number and date
b. brief description of goods including quantity
c. packing list reference number
d. country of origin of goods
e. consignee's name and full address and
f. supplier's name and address

8. Inspection, Testing and Quality Control

8.1 The purchaser and/or its nominated representative(s) will inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s).

8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.

8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.

8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the

purchaser's inspector is able to complete the inspection within the contractual delivery period.

8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier.

8.6 The purchaser's/consignee'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 purchaser's inspector during pre-despatch inspection mentioned above.

8.7 Goods accepted by the Purchaser and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
If required by the purchaser, Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.
For details of final inspection please refer section IV, special conditions of Contract.

9.0 Terms of Delivery

Goods shall be delivered by the supplier in accordance with the terms of delivery as follows:

a) The goods shall be supplied, unpacked, and installed and commissioned at the designated location as per the SECTION V within 90 days from date of order. All costs including insurance, loading, unloading etc., shall be borne by the supplier.

10. Transportation of Goods

The supplier shall at their own experience, arrange transport (including air/sea/land), loading & unloading of goods upto the consignee address**.**

11. Insurance:

11.1 Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:

In case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire goods contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the goods duly insured. The insurance cover shall be obtained by the Supplier and should be valid till installation, testing and commissioning of the equipments.

If the equipments are not commissioned and handed over to the consignee within stipulated period, the insurance will be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing

over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actuals will be reimbursed.

12. Spare parts

12.1 If specified in the List of Requirements and in the resultant contract, the supplier shall supply/provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/or supplied by the supplier:

a) The spare parts as selected by the Purchaser to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and

b) In case the production of the spare parts is discontinued:

i) Sufficient advance notice to the Purchaser before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts, etc. at the supplier's risk and cost ., and

ii) Immediately following such discontinuation, providing the Purchaser, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser.

12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Purchaser promptly on receipt of order from the Purchaser.

13. Incidental services

13.1 Subject to the stipulation, if any, in the SCC (Section – IV), List of equipments (Section – V) and the Technical Specification (Section – VI), the supplier shall be required to perform the following services.

i) Installation & Commissioning, Supervision and Demonstration of the goods and rectification of accidental damages occurred before handing over the system/site to Hospital authorities.
ii) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
iii) Training to Doctors/Technicians on equipments in clinical aspects for operating and maintaining the equipments.
iv) Supplying required number of operation & maintenance manual for the goods.
v) Providing all the necessary as built drawings after the installation and commissioning.
ix) Provide all software updates during warranty period without any additional cost.

14. Distribution of Dispatch Documents for Clearance/Receipt of Goods

The supplier shall send all the relevant despatch documents well in time to the Purchaser to enable the Purchaser clear or receive (as the case may be) the goods in terms of the contract.

Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows.

A) For Domestic Goods, including goods already imported by the supplier under its own arrangement.

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract):
Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
Consignee Receipt Certificate as per Section XVI in original issued by the authorized representative of the consignee;
Two copies of packing list identifying contents of each package;
Inspection certificate issued by the nominated Inspection agency, if any.
Certificate of origin;
Insurance Certificate as per GCC Clause 11
Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

15. Warranty

15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.

15.2 This warranty shall remain valid for 5 yearsfrom the date of handing over entire equipment and acceptance by the Purchaser/Hospital in terms of the contract after installation and commissioning, unless specified otherwise in the SCC.

15.3 In case of any claim arising out of this warranty, the Purchaser shall promptly notify the same in writing to the supplier. The period of the warranty will be as per GCC clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.

15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24 (hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause form on rectification will be applicable as per tender conditions.

15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended to a further period from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.

15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

15.7 During Warranty period, the supplier is required to visit consignee's site at least once in 4 months commencing from the date of the installation for preventive maintenance of the goods.

15.8 The Purchaser reserve the rights to enter into CAMC between Purchaser/Purchaser's Client and the Supplier for the period of 5 years as mentioned in this tender, after the completion of 5 year warranty.

15.9 The supplier along with its Indian Agent and the CAMC provider shall ensure continued supply of the spare parts for the constant performance of the machines and equipments supplied by them to the purchaser for 10 years from the date of installation and handing over.

15.10 The Supplier along with its Indian Agent and the CAMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipment/machines/goods etc. and shall always give the most competitive price for its machines/equipment supplied to the Purchaser.

16. Assignment

16.1 The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Purchaser's prior written permission.

17. Sub Contracts

17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.

17.2 Sub contract shall be only for bought out items and sub-assemblies.

17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

18. Modification of contract

18.1 If necessary, the purchaser may, by a written order given to the supplier 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:

a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
b) Mode of packing,

c) Incidental services to be provided by the supplier
d) Mode of despatch,
e) Place of delivery, and
f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.

18.2 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 supplier 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 shall be amended accordingly.

19. Prices

19.1 Prices to be charged by the supplier for supply of goods and provision of services in terms of the contract shall not vary from the corresponding prices quoted by the supplier in its tender and incorporated in the contract, except for any price adjustment authorised in the SCC.

20. Taxes and Duties

20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to the purchaser.
20.2 Further instruction, if any, shall be as provided in the SCC.

21. Terms and Mode of Payment

A) Payment Terms - Equipment Supply

a) 50% of supply value shall be released against supply and certificate for receipt of the item in good condition from the Hospital/purchaser.

b) 40**%** payment shall be released against certificate of installation and commissioning certified by the Hospital Authorities/purchaser.

c) Final 10% shall be released against submission of certificate issued by Hospital/purchaser certifying that the facility has been installed, commissioned and handed over and submission on Performance Security and other documents stated in this tender.

d) Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract and upon the submission of the following documents:

i. Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
ii. Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
iii. Two copies of packing list identifying contents of each package;
iv. Inspection certificate issued by the nominated Inspection agency, if any.
v. Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;

vi. Certificate of origin.

B) Payment Terms - Turnkey part (Civil & Electrical works)

a) 50% of the total value of work may be released upon the completion of 60 % of the work recommended by State In charge (P&S, HLL) and approved by Project Engineer (P&S, HLL)/ Manager (P&S, HLL).

b) Balance 50% will be paid along with the final bill only after submission of Work Completion certificate issued by the concerned hospital and approved by Project Engineer (P&S, HLL)/ Manager (P&S, HLL).

c) 5% amount of the Bill will be retained as retention money and will be released only after the Defect liability period of 12 months.

d) Final Bill to be submitted detailing the work description, quantity and rate as per the Work Order. Payment will be made against actual measurements recorded and certified jointly by State In Charge (P&S, HLL) and the Contractor 's representative, counter signed by Project Engineer (P&S, HLL)/ Manager (P&S, HLL). The work completion certificate will be issued by the concerned centres/hospitals and it is the responsibility of the contractor to collect the completion certificate certified by the concerned hospital authority & HLL authorities and submit to HLL for balance 50% payment

e) The running account bills are to be submitted detailing the work description, quantity and rate as per the Work Order. Payment will be made against actual measurements recorded and certified jointly by State in charge (P&S, HLL) and the Contractor's representative. For supply of capital items, duly certified delivery challan/supporting documents such as Warranty Certificates etc. shall be enclosed along with bill.

f) Tax Deduction: All statutory deductions like GST, Income Tax, Works Contract Tax, E.S.I., P.F. or any other government-imposed liabilities shall be borne by the Contractor (as applicable at the time of execution of job) and shall be deducted from each bill submitted by the Contractor.

21.1 CAMC Payment :

The payment of CAMC will be made on half yearly basis, after satisfactory completion of said period on submission of bills with supporting documents, certified by the Hospital authorities, in proof of preventive and breakdown maintenance having rendered in the 4 months. In case the supplier fails carry out the preventive maintenance, in the stipulated period, the purchaser may extend the period of contract to the period of non services or impose the penalty on the supplier at the discretion of the Purchaser. However such non service(s) is/ are by a reason of Hospital, the penalty / extension mentioned above will not be applicable.

21.2 The supplier shall not claim any interest on payments under the contract.

21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.

21.4 The payment shall be made in Indian Rupees.

21.5 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date.

21.6 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

21.7 The payment for the preventive maintenance will be released only on the submission of performance security of 5% for the particular year.

22. Delay in the supplier's performance

22.1 The supplier shall deliver of the goods and perform the services under the contract within the time schedule specified by the Purchaser in the List of Requirements and as incorporated in the contract.

22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:

(i) Imposition of liquidated damages
or
(ii) Forfeiture of its performance security and
(iii) Termination of the contract for default.

22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser in writing about the same and its likely duration and make a request to the Purchaser for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser 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 supplier's contractual obligations by issuing an amendment to the contract.

22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, interalia contain the following conditions:

(a) The Purchaser shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.

(b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of applicable taxes or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.

(c) But nevertheless, the Purchaser shall be entitled to the benefit of any decrease in price on account of reduction in or remission of applicable taxes or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

23. Liquidated damages

23.1 Subject to GCC clause 26, if the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the Purchaser shall, without prejudice to other rights and remedies available to the Purchaser under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% 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 10% of the contract price or actual liability of the purchaser due to delayed supply of goods and/or services/ or total performance of the contractor, whichever is higher. Once the maximum is reached Purchaser may consider termination of the contract as per GCC 24.

During the above-mentioned delayed period of supply and / or performance, the conditions incorporated under GCC sub-clause 22.4 above shall also apply.

24. Termination for default

24.1 The Purchaser, without prejudice to any other contractual rights and remedies available to it (the Purchaser), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier 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 purchaser pursuant to GCC sub-clauses 22.3 and 22.4.

24.2 In the event of the Purchaser terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1 above, the Purchaser 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 supplier shall be liable to the Purchaser for the extra expenditure, if any, incurred by the Purchaser for arranging such procurement.

24.3 Unless otherwise instructed by the Purchaser, the supplier shall continue to perform the contract to the extent not terminated.

25. Termination for insolvency

25.1 If the supplier becomes bankrupt or otherwise insolvent, the purchaser reserves the right to terminate the contract at any time, by serving written notice to the supplier without any compensation, whatsoever, to the supplier, 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 Purchaser.

26. Force Majeure

26.1 Notwithstanding the provisions contained in GCC clauses 22, 23 and 24, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure

of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.

26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier'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 of the Purchaser either in its sovereign or contractual capacity, 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.

26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within seven days of occurrence of such event. Unless otherwise directed by the Purchaser in writing, the supplier 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.

26.4 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 contractTermination of this agreement for whatever reason shall not affect the obligation/ liabilities of both the parties accrued hereunder in respect of matters at the time of the agreement.

26.5 In case due to a Force Majeure event the Purchaser is unable to fulfil its contractual commitment and responsibility, the Purchaser will notify the supplier accordingly and subsequent actions shall be taken on similar lines described in above sub-paragraphs.

27. Termination for convenience

27.1 The Purchaser reserves the right to terminate the contract, in whole or in part for its (Purchaser's) convenience, by serving 7days written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser. The notice shall also indicate interalia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.

27.2 The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by the Purchaser following the contract terms, conditions and prices. For the remaining goods and services, the Purchaser may decide:

a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or

b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

28. Governing language

28.1 The contract shall be written in English language following the provision as contained in GIT clause 4. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in that language.

29. Notices

29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable and confirmed in writing. 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.

29.2 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.

30. Resolution of disputes

30.1 If dispute or difference of any kind shall arise between the Purchaser and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

If the parties fail to resolve their dispute or difference by such mutual consultations within twenty one days of its occurrence the same shall be referred for arbitration to a Sole arbitrator to be appointed by the C&MD, of the Purchaser Arbitration shall be conducted as per the provisions of the Arbitration and Conciliation Act 1996 orany statutory modification or re-enactment thereof for the time be in force. The arbitrator shall give a reasoned award. The award of the arbitrator shall be final and binding on the parties to this contract.The venue of arbitration shall be Thiruvananthapuram, Kerala, India and the language of the proceedings shall be English

The arbitrator shall be requested to give reasoned award.

31. Applicable Law

The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.

32. General/ Miscellaneous Clauses

a. Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CAMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.

b. Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.

c. The Supplier shall notify the Purchaser of any material change would impact on performance of its obligations under this Contract.

d. Each member/constituent of the Supplier/its Indian Agent/CAMC Provider, in case of consortium shall be jointly and severally liable to and responsible for all obligations towards the Purchaser for performance of contract/services including that of its Associates/Sub Contractors under the Contract.

e. The Supplier/its Indian Agent/CAMC Provider shall at all times, indemnify and keep indemnified the Purchaser against all claims/damages etc. for any infringement of any

Intellectual Property Rights (IPR) while providing its services under CAMC or the Contract.

f. The Supplier/its Agent/CAMC Provider shall, at all times, indemnify and keep indemnified the Purchaser 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 supplier/its associate/affiliate etc.

g. All claims regarding indemnity shall survive the termination or expiry of the contract

SECTION –IV

SPECIAL CONDITIONS OF CONTRACT (SCC)

1. General requirement for eligibility

a) In order to decide the responsiveness of tender, the Purchaser may ask to the tenderer for Demonstration of equipment/system, presentations and sample and the tenderer shall arrange Purchaser's requirement as and when so asked, failing which the tender shall be deemed as non-responsive.

b) The Licences, Certifications, if any, required from the regulatory authorities in India with respect to this tender shall be produced along with the tender.

c) All technical details, catalogue, application details, shall be provided along with the tender.

d) Signed copy of Tender Document (all pages of Bid documents to be signed & stamped) by the Bidder as token of acceptance of the Terms & Conditions.

e) Duly filled, signed and sealed forms as per the Annexures of the tender document.

f) Power of attorney in Rs 300/- in non-judicial stamp paper duly notarized by the authorized signatory to sign and submit the bid documents

g) Sales Tax Clearance certificate(self attested copy)

h) Copy of PAN Card.(self attested Copy)

i) GST Registration Certificate

j) Certificate of incorporation / Memorandum of Article (self attested copy)

k) Last 3 financial years audited Profit & Loss, Balance Sheet duly certified by Chartered Accountant.

l) EMD as per tender document.

m) Tender Fee as per tender document. Undertaking for replacement of complaint / defective items as Annexure …

n) One to one compliance statement to technical specification requirements against each item shall be provided along with the tender, with pamphlets/Catalogs.

o) Acceptance test should be done at designated hospitals, prior to handing over of equipment.

p) All details of pre installation and installation works along with schedules & drawings should be supplied within a week of award of order.

2. Final Inspection

The final inspection of the Goods will be done by the Technical Committee of the Purchaser and Hospital Authorities after installation and commissioning of the goods.

3. Warranty:

a) 5 years for comprehensive warranty as per Conditions of Contract of the TE document for complete equipment from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution.

b) 95% uptime Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.

c) All software updates should be provided by the supplier free of cost during Warranty period.

4. After Sales Service:

After sales service centre should be available at on 24 (hrs) X 7 (days) X 365 (days) basis. Breakdowns/Complaints should be attended within 8 hrs. An undertaking by the Manufacturer shall accompany the tender that the spares for the equipment shall be available for at least 10 years from the date of supply.

5. CAMC :

a) Tenderer shall offer price for

CAMC rates separately in SECTION – X, PRICE SCHEDULE (B)

CAMC shall be awarded at the discretion of Purchaser/Hospital at the end of the warranty period.

b) The CAMC shall be for 5 years after completion of prescribed warranty period.

c) Preventive Maintenance services during CAMC shall be rendered on quarterly basis with minimum gap between two services shall be not less than 90 days and not more than 115 days. In addition, all breakdown calls shall be attended to immediately and all major repairs shall be rectified within 7 calendar days from the date of intimation, as per tender, failing which, a penalty of Rs.50,000/- per day thereof is leviable until the equipment is repaired and commissioned to the satisfaction of the end user, For this purpose supplier shall carry sufficient inventories to assure prompt replacement of defective parts as per tender

d) Breakdown calls shall be attended immediately and major complaints shall be rectified within 7 calendar days from the date of intimation. The breakdown calls shall not be combined with preventive maintenance calls.

e) In case the performance of CAMC services is not satisfactory and found below the 95% uptime level, the Purchaser / Hospital has the right to source the maintenance services from other means/agency at the risk and cost of supplier including termination of contract and legal/penal actions.

f) On receipt of CAMC order, the supplier shall furnish performance security for an amount equal to 5% of the CAMC value per annum in the form of Demand Draft or Performance Bank Guarantee, which will be renewed in term with value of every year till completion of CAMC period.

g) The cost of CAMC includes preventive maintenance with required testing, calibration as per technical/service/operational manual, labour and spares. The supplier shall undertake preventive maintenance as recommended in the manufacturer's technical/ service /operational manual, but minimum once in three months during the 5 years CAMC period for preventive maintenance.

h) The cost of CAMC may be quoted along with taxes and duties applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation, the price will be taken inclusive of such taxes and no claim for the same will be entertained later.

i) The payment of CAMC will be made once in every four months after satisfactory completion of said period, duly certified by Hospital authorities, but subject to valid Performance Security.

j) There will be 95% uptime warranty during CAMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CAMC period by double the downtime period.

k) During the CAMC period, all software updates should be provided free of cost.

SECTION V

LIST OF REQUIREMENTS

List of Equipments

Sr. No	Name of Equipment	Qty	Unit
1.	Blood Bank Refrigerator 600 ltrs	9	Nos.
2.	Refrigerator for kits and regents storage with digital display	25	Nos.
3.	ELISA Reader with Washer	9	Nos.
4.	Blood Donor Couch	25	Nos.
5.	Blood Collection Monitor with agitator	14	Nos.
6.	Dielectric Tube Sealer	24	Nos.
7.	Autoclave with temp. & pressure display	2	Nos.
8.	Cell Counter	2	Nos.
9.	Needle destroyer	13	Nos.
10.	Binocular Microscope	15	Nos.
11.	Incubator with thermostat	2	Nos.
12.	Mechanical Shaker for serological test	9	Nos.
13.	Haemoglobinometer	14	Nos.
14.	Table centrifuge with digital display	11	Nos.
15.	PQS Digital Temperature monitor	8	Nos.
16.	Insulated PQS Blood Transport box with Ice packs (for 8 blood bags)	4	Nos.
17.	Refrigerated Water Bath (Cryo Bath)	3	Nos.
18.	PH meter	2	Nos.
19.	Water Bath (Serological)	4	Nos.
20.	Laminar Airflow bench	1	No.
21	Refrigerated Centrifuge	3	Nos.
22.	Plasma Expresser (Manual/ Automated)	2	Nos.
23.	Platelet Incubator cum Agitator	1	No.
24.	Deep Freezer (-80o C)	1	No.
25.	Deep Freezer (-40o C)	1	No.
26.	Digital Analytical Balance	1	No.
27.	Plasma Thawing Bath	1	No.
28.	Sterile Connecting device	1	No.
29.	Coagulometer	1	No.
30	Civil & Electrical works	1	Job

SECTION VI

Technical Specification

1) Blood Bank Refrigerator

- **Clinical Purpose:** A refrigerator for storing whole blood or red cell packs in a blood bank.
- **Technical characteristics:-**
  - **Construction:-**
    - Compressor type refrigerator that uses CFC free refrigerant gas
    - **Internal**: Stainless steel (min 22g).
    - **External**: Solid outer corrosion resistant (atleast 1mm thickness)
    - **Drawers**: Roil out type, Stainless steel scratch resistant material. The separators if provided in the drawers should e such that blood bags are held in a vertical position with the label side visible.
    - Glass door does not project at side when opened. Insulation and gasket should be of silicon or polyurethane,
    - Polyurethane/Silicon insulation should be minimum 80mm thickness. Door opening audio and visual display alarm.
    - Door locks should be available. Interior lighting or illumination, auto defrosting.
    - Temperature Range: 2 Deg C to 6 Deg C and adjustable with setting accuracy of +/- 0.1 Deg C with set temperature of 4 Deg C. user parameter settings. Set point high alarm point low alarm point , buzzer off time.
    - Internal Temperature control: Electronic temperature control range +2Deg c to +16 Deg C with setting accuracy of +/- Deg C whatever the load, Fan air cooling.
    - External Ambient Temperature: Performance in an ambient temperature of 10Deg C to 40 Deg C.
    - Hold over time; A full load of blood packs 4 Deg C (+/- 1 Deg C) takes at least 30 minutes to rise to above +6Deg C. internal temperature hold over time in case of power failure should be at least 1.5hrs.
    - Temperature monitoring: Digital temperature (LED) display with 0.1 Deg C graduations. Temperature recording device. Microprocessor control for operation with integrated audio visual temperature alarm function with digital monitoring display. Independent safety thermostat to avoid negative temperatures. Atleast 2 temperatures sensors. Sensor for temperature monitoring shown on front display. Sensor for managing use of compressor.
    - Temperature recording device: Battery backup for alarm system indicating unsafe temperatures (Should be in temp monitoring section). Seven days graphic temperature recorder with range of -0Deg C to +20 Deg C with supply of free charts for a period of one year Alarm systems . Should have door open alarm and power off alarm.
    - **Capacity**: 600 ltrs.
    - **Settings**: Manual
    - **User's Interface**: Manual.
    - **Software and/or standard of communication**: Built in
  - **Physical Characteristics**:-

- **Power Requirements**: Input voltage 220V/240V 50Hz along with a line voltage corrector of appropriate rating.
- **Protection**: A line voltage corrector of appropriate rating will form part of standard configuration.

- **Accessories & Spare Parts**: Complete with comprehensive set of spare parts and suitable capacity voltage stabilizer. The make, rating, model, description, specifications, price, qty of each item shall be furnished.
- **Environmental & Departmental considerations**
  - **Atmosphere**: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%. Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
  - **Additional Requirements**: All equipments should specify Design qualifications, installation qualifications. Operational qualifications and performance qualifications, validation and calibration report should have traceability towards applicable national/international standards. Performance efficiency, other factors such as distortion etc. as applicable be also furnished. Complete construction, details in respect of material specification thickness, finish etc are to be furnished.
- **Standard & Safety**
  - **Product Certifications**: CE class II A or US FDA certified.
  - **Quality Certifications**: ISO Certified.
  - **Electrical safety**: Equipment meets electrical safety specifications such as tat of IEC (Class I)
- **Training of staff**: training of users in operation and basic maintenance shall be provided.
- **Warranty and Maintenance**
  - **Warranty**: 5 years
  - **Maintenance tasks**: 5 years AMC/CAMC.
  - **Service contract clauses, including prices**: Downtime-48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
- **Documentation**:
  - **Operating manuals service manuals, other manuals**: Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
  - Other accompanying documents: list of provided of important spares and accessories with their part numbers and cost certificate of calibration and inspection to be provided.
- **Notes**:
  - **Service support contact details**: Should be provided.
  - **Recommendations of warnings**: Any recommended for best use and supplementary warning for safety should be declared.

2) Refrigerator for kits and regents Storage with Digital Display

- Capacity: 300 Ltrs
- Operate at 4 degree C with +/- degree C temperature uniformity
- CE certified/US FDA approved.

- Should comply IEC safety standards, ISO 9001:2008 & ISO 1285:2012 standards construction
- Should have glass/metal door construction.
- Should have an interior (22 swg) of 1mm SS sheet and exterior (18 swg) that is constructed of 1mm, MS sheet, powder coated.
- Should have a minimum non-CFC PUF insulation
- Should include casters as a standard feature.
- Should have an interior, fluorescent light with control panel mounted switch as a standard feature.
- Should have a light bulb tat can be changed without removing the drawers
- Should have refrigeration system "On" indicator provided as a standard feature
- Independent Alarm system
- Should have audible and visual high and low temperature alarms as a standard feature
- Should have a digital RTD probe located in the top portion of the chamber in a liquid medium bottle.
- Must incorporate a heavy duty, air cooled refrigeration system designed to operate on 230 volt, 50/60 Hz.
- Must utilize non CFC, commercially available refrigerant.
- Must have an internal evaporator fan that shuts off when the door is opened.
- Must have a compressor that can maintain required chamber temperatures when operating between 200-240 V and 50 Hz.
- Must keep the refrigerator free of frost without elevating the chamber temperature.
- Drawers: Must have fully extendable drawer slides.
- Must have a external cabinet with a clear powder coated finish to guard against rust and corrosion.
- Electrical: External transformers.

3) Elisa Reader and Washer

- **Clinical purpose**: The system should be capable to wash flat round and V bottom elisa plates and strips. The system should be capable tor read flat, round and V bottom elisa plates and strips.
- **Technical Characteristics:**
  - **Washer**
    - The system should be fully automated and easy to operate with 8 way manifold.
    - The system should be capable to wash flat, round and V bottom plates and strips.
    - They should have large display long with more than 40-50 program storage facility.
    - The system should be having automatic calibration facility like well depth, well detector and last row detector.
    - The system should have warning facility for low liquid, vacuum and pressure.
    - Should have specifically designed penstatic pump to dispense 300-400 ul in each well.
    - Aspiration should be through diagram pump while dispensing to prevent overflow residual volume after washing should be less than 2ul per well.
    - Should be supplied with waste bottle and rinse bottle of capacity 2 ltrs with tubing's waste bottle should have level sensor.

- Would have option for washing cycles like long was short wash rinsing and priming.
- Should be supplied with plastic cover and optional accessories like extra wash bttle.
- Automatic manifold detection.
- 8x12 channel manifold.
- Equipment should be un-pressurized, capable of using any bottle or container.
- Dispense volume 50-3000ul with 50ul increment.
- Precision at 10ul < 5% and at 100ul < 2.5%
- System should be FDA approved European CE certified.
- Manufacturer should be ISO 13485 certified.
- Company should have local based engineer.

- **Microplate washer Reader**
  - Fully automatic Elisa Plate reader
  - Dichromatic optics with six wavelength. Wavelength range – 400-800nm & must have 405, 450, 492 & 620 nm filter.
  - Should have tungsten /LED lamp with lamp saver feature.
  - Parallel and serial port for external printer.
  - Printout of the full plate in matrix format.
  - Microprocessor controlled.
  - Should react Elisa Plate Horizontally A to H& vertically 1 to 12.
  - Multiple cavity hard coat interface filters with 10mm half band pass.
  - Photometric accuracy should be +/-1% or better (NIST).
  - Resolution 0.001-0.100
  - Linear measurement range: 0.20 to 30 absorbance unit.
  - Stability drift of no more than 005A in 8 hours.
  - Non volatile memory single & dual wavelength reading (preferably 450 & 620nm).
  - Built in shaking with programmable speed & time.
  - System should be FDA approved/European CE certified.
  - Manufacturer should be ISO 13485 certified.
  - Company should have local based Engineer.
- **Settings**: Manual.
- **User's Interface:** Manual.
- **Software add/or standard of communication**: built in.

- **Energy Source**:-
  - **Power Requirements**: Input voltage 220/240V, 50Hz.
  - **Other energy supplies**: Compatible UPS to complete the ongoing procedure with a backup supply for atleast half an hour, should be supplied long with the equipment.
- **Accessories, Spare parts, Consumables**
  - **Accessories & Spare parts**:- Complete with comprehensive set of spare parts the make, rating, model, description, specifications, price, qty of each item shall be furnished separately.
- **Environmental & Departmental considerations**
  - Atmosphere/Ambiance: Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
  - **Additional requirements**: All equipments should specify Design qualifications, installation qualifications. Operational qualifications and performance qualifications,

validation and calibration reports should have traceability towards applicable national/international standards. Performance, efficiency, other factors such as distortion etc as applicable be also furnished. Complete construction details I respect of material specification, thickness, finish etc are to be furnished.

- User's care, cleaning, Disinfection & Sterility issues: Specified in the manual.

- **Standards & Safety**
  - **Product certifications**: CE class II A or US FDA certified.
  - **Quality certifications**: ISO certified.
  - **Electrical safety**: Equipment meets electrical safety specifications such as that of IEC (class I).
- **Training & Installation**
  - Training of staff: Training of users in operation and basic maintenance shall be provided.
- **Warranty & Maintenance**
  - **Warranty**: 5 years
  - **Maintenance tasks**: 5 years AMC/CAMC
  - **Service contract clauses, including prices**: Downtime-48 hours or after penalty clause will be active.
- **Documentation**
  - Operating manuals, service manuals, other manuals: necessary catalogues, technical write up in English shall be attached with the offer both in hand and soft copies.
  - Other accompanying documents: list to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
  - Service support contact details: Should be provided.
  - Recommendation of warnings: Any recommendations for best use and supplementary warning for safety should be declared.

4) Donor Couch

- **Clinical purpose:** Blood donor couch is a completely automatic enveloping, variable tilt couch and specially designed to make whole blood deviation & aphaeresis donation safe and comfortable.
- **Technical characteristics:**
  - **Construction**: Variable positioning for either arm with comfortably wide am-rests with swinging out as well as up and down moving facility. Reclining and upright body positions with a smooth shifting to any position. One side should have supporting bracket for materials required for blood collection. Ergonomically designed comfortable couch type for donor comfort. Mattress should be comfortably cushioned with elegantly thick washable upholstery. Seat, back rest and leg rest size designed for don't comfort. Should have facility of electronically remote controlled tilting in head low position and legs up position to manage donor reactions with in short time. Should be mobile with lockable wheels. Comfortable working level for the operator. Should be provided with two sets of donor couch covers.
  - **Lifting capacity**: Approx 200kg
  - **Settings**: Manual.

- **User's Interface**: Manual.
- **Software and/or standard of communication**: Built in.

- **Energy Source**:
  - **Power Requirements**: Input supply 220-240V, 50 Hz.
- **Accessories, Spare parts, Consumables**
  - **Accessories & Spare parts:** Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make, rating, model, description, specifications, price, quantity of each item shall be furnished separately.
- **Environmental & Departmental considerations**
  - **Additional Requirements**: All equipments should specify Design qualifications, Installation qualifications, operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/International standards. Performance, efficiency, other factors such as distortion etc. as applicable be also furnished. Complete construction, details in respect of material specification thickness, finish etc are to be furnished.
  - **User's Care, Cleaning, Disinfection & Sterility issues**: Specified in the manual.
- **Standards & Safety**
  - **Product Certifications**: CE class II A or USFDA certified.
  - **Quality certifications**: ISO certified.
  - **Electrical safety**: Equipments meets electrical safety specifications such as that of IEC (Class I).
- **Warranty & Maintenance**
  - **Warranty**: 5 years
  - **Maintenance tasks**: 5 years AMC/CAMC.
  - Service contract clauses, including prices: Downtime: 48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
- **Documentation**:
  - Operation manuals, service manuals, other manuals: Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies
  - Other accompanying documents: List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration & inspection to be provided.
- **Notes**:
  - **Service support**: Should be provided
  - **Recommendations or warnings**: Any recommendations for best use and supplementary warning for safety should be declared.

5) Blood Collection Monitor

- **General:**
  - **Clinical purpose:** The system issued to collect desired amount of blood from the donor and automatically mixes blood uniformly with the anticoagulant in blood bag.
- **Technical**
  - **Technical Characteristics:**
    - It is meant for stationary and mobile use. Gentle end to end mixing and control of collection time suitable for all blood bags.

- **Construction**: LED indication o commencement of collection. LED indication and audible alarm at the end of collection. Indication of time taken for collection. Indication of blood flow with audio alarm when blood flow is higher or lower than desired. Continuous display of collected volume flow ad time during collection. Automatic clamping at termination of preset volume collection. Continuous mixing of blood with anticoagulant during collection. 12-16 rom. Equipment carry case for BCM should be provided for portability input port cable with 15 plug and six way output terminal strip for two outlets.

  Volume settings:- Pre-selection of volume to be collected. Tarring of blood volume before collection. Automatic storages and recall of set volume. Measure volume with best accuracy. Preset value: 350/450ml. Tarring range: 0-600 g.
- **Settings:** Manual**.**
- **User's Interface:** Manual**.**
- **Software and/or standard of communication:** Built in**.**

➢ **Energy Source**
- **Power Requirements:** Input voltage 220-240V, 50 Hz.
- **Battery operated:** Should operate on mains as well as rechargeable battery. On battery it should operate for a minimum of 5-6 hours.
- **Voltage regulation:** Suitable automatic voltage regulator/stabilizer meeting ISI specifications should be supplied.

➢ **Environmental & Departmental considerations**
- **Atmosphere/Ambiance**: The unit shall be capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
- **Additional Requirements**: All equipments should specify Design Qualifications, installation, qualifications. Operated qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/International standards. Performance efficiency, other factors such as distortion etc, as applicable be also furnished. Complete construction, details in respect of material specification, thickness, finish etc are to be furnished.
- **User's care, cleaning, Disinfection & Sterility issues**: Specified in the manual.

➢ **Standards & Safety:**
- **Product certifications**: CE class II A or USFDA certified.
- **Quality certifications**: ISO Certified.
- Electrical safety: Equipment meets electrical safety specifications such as that of IEC (class I) or class II type-B device to protect against electric shock. Shall meet IEC-60601-1-2-2001 (or equivalent BIS) General requirements of safety for electromagnetic compatibility.

➢ **Training & Installation**
- **Training of staff**: training of users in operation and basic maintenance shall be provided.

➢ **Warranty & Maintenance**
- **Warranty**: 5 years
- **Maintenance tasks**: 5 years AMC/CAMC.

- **Service contract clauses, including prices**: Downtime-48 hours or after penalty clause will be active. Local clinical staff authorized on behalf of purchase to affirm completion of installation.

- **Documentation:**
  - **Operating manuals, service manuals, other manuals**: Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
  - **Other accompanying documents**: List to be provided of important spares and accessories, with their part number and cost certificate of calibration and inspection o be provided.
- **Notes**
  - **Service support contact details**: Should be available.
  - **Recommendations of warning**: Any recommendations for best use and supplementary warning for safety should be declared.

6) Dielectric Tube Sealer

- **General:**
  - **Clinical Purpose: Blood Bag Tube sealer is a compact equipment to seat the Blood Bag tubing.**
- **Technical Characteristics:**
  - **Technical:** The System should be heavily duty and be able to seal the blood bag tubing quickly and effectively . should be simple to handle. System should gently seal the tubing with no hemolysis using radio frequency. Should be capable of making wide seal of 2.6mm thickness. System should run on both mains and battery (more than 10 hrs back up and charger). Backup battery should seal more than 500 seals on PVC tubes in continuous mode.

    Should be for bench-top use. Sealing trigger should be automatic. Preferably have extended portable and unit sealing hand should be with coaxial cable of 1.5 – 2.0 meter. Should have indication for Sealing process: on handle as well as main unit. No warm up time should be required. Should ensure easy separation of tube segments after the sealing. Electrodes should be well protected by cover. Sealing time should not be more than 2 seconds.
  - **Settings:** Manual**.**
  - **User's Interface:** Manual**.**
  - **Software and/or standard of communication:** Built in.
- **Physical Characteristic:**
  - **Mobility, portability:** Portable for use in camp
- **Energy Source:**
  - **Power Requirements:** Input voltage 220-240V, 50Hz AC.
  - **Battery Operated:** System should run on both mains and battery (more than 10hrs back up and charger). Back up battery should seal more than 500 seats on PVC tubes in continuous mode.
  - **Protection:** Suitable auto cleavable corrector with spike protector should be available.
- **Environmental and Departmental considerations**

- **Atmosphere/Ambiance:** The unit shall be capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%**.**
- **Additional requirements:** All equipments should specify Deign qualifications installation qualifications,, Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable nation/International standards. Performance efficiency other factors such as distortion etcas applicable be also furnished. Complete construction details in respect of material specification thickness finish etc are to be furnished**.**
- **User's care, cleaning, Disinfection & Sterility issues:** Specified in the manual**.**

➢ **Standards & Safety**
- **Product Certifications:** CE class II A or USFDA certified**.**
- **Quality Certifications:** ISO Certified**.**
- **Electrical Safety:** Equipment meets electrical safety specification such as that of IEC (Class I) or Class II type-B device to protect against electric shock. Shall meet IEC-60601-1-2-2001 (or equivalent IS). General requirements of safety for electromagnetic compatibility.

➢ **Training & Installation**
- **Training of staff:** Training of users in operator and basic maintenance shall be provided.

➢ **Warranty & Maintenance:**
- **Warranty:** 5 years
- **Maintenance tasks:** 5 years AMC/CAMC**.**
- **Service contact clauses, including prices:** Downtime-45 hours or after penalty clause will be active. Local clinical staff/authorized offer on behalf of purchaser to affirm completion of installation.

➢ **Documentation:**
- **Operating Manuals, service manuals, other manuals**: Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
- **Other accompanying documents**: List to be provided of important spares and accessories with their part numbers and cost. Certification of calibration and inspection to be provided.

➢ **Notes:**
- **Service support Contact details**: Should be available.
- **Recommendations or warnings**: Any recommendations for best use and supplementary warning for safety should be declared.

7) Pre Vacuum Autoclave

➢ **General:**
- **Clinical Purpose:** Autoclaves use pressurized steam to destroy microorganisms and are the most dependable systems available or the decontamination of laboratory waste and the sterilization of laboratory glassware, media and reagents. For efficient heat transfer, steam must flush the air cut of the autoclave camber. Autoclave to exclusively designed and used for the treatment/disinfection of biomedical waste.

➢ **Technical**

- **Technical Characteristics:**
  - **Construction:**
    Should be made up of stainless steel.
    Should be supplied with vacuum breaker, water level indicator, steam trap and automatic pressure control switch.
    Should come mounted on a robust stand.
    Should have working pressure range of 5 psi to 20 psi.
    Should have working temperature of 105 to 130 deg C.
    Should have ISI marked water immersion type industrial heating elements
    Water inlet & outer valves.
    Water level indication gauge glass with SS guard and with automatic water closing device in case of breakage of glass tube.
    Automatic pressure switches to control the boiler/jacket pressure.
    Should be equipped with timer and alarm system.
- **Capacity**: Minimum 100 Litres
- **Settings**: manual
- **User's Interface**: Manual
- **Software and/or standard of communication**: Built in

➢ **Energy Source**

- **Power requirements**: Should work on 200-250V at 50Hz.

➢ **Environmental & Departmental Considerations**

- **Atmosphere/Ambiance**: Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
- **Additional Requirements**: All equipments should specify Design qualifications, installation qualifications, Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable National/International standards. Performance efficiency other factors such as distortion etc. as applicable be also furnished. Complete construction details in respect of material specification, thickness, finish etc are to be furnished.
- **User's care, Cleaning, Disinfection & Sterility issues:** Specified in the manual.

➢ **Standards & Safety**

- **Product Certifications**: CE class II A or US FDA certified.
- **Quality Certifications**: ISO Certified.
- **Electrical Safety**: Equipment meets electrical safety specification such as that of IEC (Class I) or ISO standards. For indigenous items should comply with BIS& CPCB standards.

➢ **Training & Installation**

- **Training to Staff**: Training of users in operation and basic maintenance shall be provided.

➢ **Warranty & Maintenance**

- **Warranty**: 5 years
- **Maintenance tasks**: 5 years AMC/CAMC.

- **Service contract clauses, including prices**: Downtime-48 hours or after penalty clause will be active. Local clinical staff/authorize officer on behalf of purchaser to affirm completion of installation.

➢ **Documentation**:

- **Operating manuals, service manuals, other manuals**: Necessary catalogues technical write up in English shall be attached with the offer both in hard and soft copies
- **Other accompanying documents**: List to be provided of important spares and accessories wit their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes:**

- **Service support contact details**: Shall be provided.
- **Recommendations or warnings**: Any recommendations for best use and supplementary warning for safety should be declared.

8) Cell Counter (Automated Hematology Analyzer)

➢ **General:**

- **Clinical Purpose:** To determine the count of various blood cells and hemoglobin estimation for the screening of blood donors (Apheresis donors).

➢ **Technical:**

- **Technical Characteristics:** Should be a fully automated hematology 3 part differential analyzer with option with to print the results with histograms of basic 8 parameters like RBC, WBC, Platelets, Hemoglobin (HGB), MCH and others. The reportable RBC indices should be Total RBC, HCT, HGB, MCV, MCH, MCHC and user definable settings for RBC count linearly should be above 6500000/ul. Reportable platelet count. The system should give the differential count as lymphocytes mix population and neutrophils in percentage as well as absolute count.
  - **Construction:** The system should have auto probe wiper to clean the sample probe automatically after sample aspiration. The system should have automatic floating threshold for correct separation of WBC. RBC's and platelets during overlap of microcytosis/large platelets. The system should use cyandle free reagents. Should be able to perform all blood counts from whole blood and blood components at different dilutions for the purpose of quality control.
  - **Sample type:** Various blood peripherals blood, pre-dilution peripherals blood and various dilutions of blood.
  - **Rapid result turnaround time:**Upto 60 samples per hour throughput**.**
  - **Printer:** Built in thermal printer and it can be connected to external computer and printer.
  - **Display:** Largecolor LCD, show all parameters and histograms at same screen.
  - **Calibration:** Control and calibrator for eight check of parameters
  - **Accessory:** Should be supplied with sample mixer.
- **Capacity:** Storage capability for detail results including histograms upto 1000 tests.
- **Settings:** Manual, User definable.
- **User's Interface:** Manual.
- **Software and/or standard of communication:** Built in.

- **Energy Source**
  - **Power Requirements:** Input voltage 220/240Vz, 50Hz, signal phase with inbuilt FIE safety against high load voltage.
  - **Protection:** On line voltage corrector or appropriate rating as per standard configuration.
- **Accessories, Spare parts, Consumables**
  - **Accessories & Spare parts:** Complete with comprehensive set of spares parts and a suitable capacity voltage stabilizer. The make, rating, model, description, specifications, price, quantity of each item shall be furnished separately. Should specify the rates of all the consumables and reagents.
- **Environmental & Departmental Considerations**
  - Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
  - **Additional requirements:** All Equipments should specify Design qualifications, installation, qualifications, Operational Qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/International standards, Performance efficiency, other factors such as distortion etc as applicable be also furnished. Complete construction, details in respect of material specification, thickness, finish etc are to be finished.
- **Standards and Safety**
  - **Product Certifications:** CE Class II A or USFDA certified.
  - **Quality Certifications:** ISO Certified.
  - **Electrical Safety:** Equipment meets electrical safety specifications such as that of IEC (Class I).
- **Training and Installation:**
  - **Training of staff:** Reagents for validation/training of users in operation and installation shall be provided by the manufacturer free of cost.
- **Warranty and Maintenance:**
  - **Warranty:** 5 years
  - **Maintenance tasks:** 5 years AMC/CAMC
  - **Service contract clauses: Downtime**-48 hours or after penalty clause will be active. Local clinical staff/authorized on behalf of purchaser to affirm completion of installation.
- **Documentation**
  - **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the other both in hard and soft copies.
  - **Other accompanying documents:** List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.
  - **Service support contact details:** Should be provided.
  - **Recommendations of warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

9) Electrically operated needle & Syringe Destroyer

- Housing Enclosure: Made of ABS plastics and shock proof. Suitable sliding tray made of ABS lined with SS material of thickness 0.8mm (minimum) on the side walls as tallas the bottom of the tray provided for collection of residue and destroyed tips of syringe.
- Suitable provision to burn the needle and to cut the syringe tips provided in the unit.
- Complies in general to the requirements of IS:302 (Part-1) 1979 to ensure safe and reliable operation in normal use.
- Manual Cutter: Fitted with hardened blade of anti-corrosive stainless steel material of grade 202 to cut the syringe tips.
- Capacity: The unit is having adequate capacity to destroy all kinds and following sizes of injection needles. Dia ranging from 0.4mm to 1.6mm length, 12.5mm to 80mm.
- Power switches: Power On/Off switch provided along with power on indicator. Provided with fuse of adequate rating. Provided with power cord of 3 meters length and an earthing point.
- Power Requirements: Power 230V+10% 50 Hz AC supply requirements. The following are the power requirements:
    - In standby mode maximum upto 3 watt
    - During destruction of thickness needle of 1.6mm dia maximum power requirements. Powerconsumption is maximum 5 amps at 230V AC.
    - The 3 pieces of injection needle of 1.6mm diaupto full length of 80mm can be destroyed in continuous operation of 5 minutes.
    - Destruction time of injection needle of 1.6mm diaupto full length of 80mm is about 1 minute.

10) Binocular Microscope with In-built Light source

- Aluminum die-cast monocular body with all critical movements based on ball bearing & wire guides thereby ensuring smooth & precise manipulations.
- Inclined observation head 45 degree Binocular, rotatable through 360 degrees.
- HWF 10 x (F.N. 18) (antifungus) paired compensating eyepiece. Provides relief from eye fatigue and renders color-compensated images of utmost clarity with ergonomic design frame for all main operating within easy reach.
- Quadruple revolving nosepiece with positive click stop, C-axial low drive mechanical stage, (125mm x 145mm) with traverse area of 50mm x 76mm.
- High performance aspheric in Abbe condenser and the light relay system.
- AntifungusAchromat Objectives

	N.A	W.D
4x	0.10	29.0mm
10x	0.25	6.3mm
40x (spring loaded)	0.65	0.53mm
100x (oil, spring loaded)	1.25	0.20mm

- Co-axial coarse & fine controls with a focus adjustment range of 20mm
- Aspherical condenser N.A.1.25 with Iris diaphragm focusable by spiral movement

- Built-in illumination base with pre-centered 6V 20W halogen light source. Pre-centered bulbs is coupled with an efficient collector lens system to provide optimum brightness along the optical path. A conveniently positioned rotatable knob variable light control. Easy replaceable lamp from front.
- ISO 9001:2000 certified (TUV)
- ISO 14001 certified
- CE certified
- Anti fungus effectiveness certificate from Japan
- Option of LED light source (with or without battery backup)

11) Incubator with thermostat

- **General:**
  - **Clinical purpose:** Dry Incubators are designed to incubate blood samples, microplate etc.
- **Technical**
  - **Technical Characteristics:**
    - **Body:** This unit has double walled chamber with PUF insulation
    - Interior is made of stainless steel (minimum grade 304) and Exterior is either made of Mild Steel finished in powder coated steel of stainless steel**.**
    - The unit has full-length timer glass door and outside metal door with magnetic gasket and lock.
    - This unit is provided with Mesh type trays.
    - **Temp controller** Digital type
    - **Temp range** RT to 110 Deg C.
    - **Accuracy**: 1 Deg C in the given range.
    - LED Display.
  - **Settings:** Manual**.**
  - **User's Interface:** Manual**.**
  - **Software and/or standard of communication:** Built in.
- **Energy Source**
  - **Power Requirements:** Input voltage 220/240V, 50Hz.
- **Accessories, Spare parts, Consumables**
  - **Accessories & Spare parts:** Complete with comprehensive set of spare parts. The make, rating, model, description, specifications, price, quantity of each item shall be furnished separately.
- **Environmental & Departmental Considerations**
  - **Atmosphere/Ambiance:** Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
  - **Additional Requirements:** All equipments should specify Design qualifications, installation qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/International standards. Performance, efficiency, other factors such as distortion etc as applicable be also furnished. Complete construction, details in respect of material specification, thickness, finish etc are to be furnished.

- **Standards & Safety**
  - **Product Certifications:** CE Class II A or US FDA Certified.
  - **Quality Certifications:** ISO Certified**.**
  - **Electrical Safety:** Equipment meets electrical safety specifications such as that of IEC (Class I).
- **Training & Installation**
  - **Training of staff:** Training of users in operation and basic maintenance shall be provided.
- **Warranty & Maintenance**
  - **Warranty:** 5 years
  - **Maintenance tasks:** 5 years AMC/CAMC
  - **Service Contract clauses, including prices:** Downtime-48 hours after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchase to affirm completion of installation.
- **Documentation:**
  - **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
  - **Other accompanying documents:** List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.
- **Notes**
  - **Service support contact details:** Should be provided**.**
  - **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared**.**

12) Mechanical Shaker for RPR/VDRL test

- Specifically designed for VDRL tests hematology labs blood banks etc.
- As well as for general purpose laboratory orbital shaking application for various labs and applications.
- Timer range 0-30 minutes
- Variable speed from 50 to 180 rpm controlled through a speed control knob.
- Platform size: 300mm designed to accommodate slides, bottle, breakers, flasks etc.
- To work on 220230 volts AC.
- CE certified / USFDA approved.

13) Haemoglobinometer

- **General:**
  - **Clinical Purpose:** To estimate Hb level of donor with finger prick method.
- **Technical**
  - **Technical Characteristics**
    - It should be digital and microprocessor based.

- It should measure direct reading of Hemoglobin after feeding the set value of standard once.
- Measuring time < minute
- It should be light in weight and body should be made of ABS plastic molding
- Measuring range: 6-20g/dl.
- Display: 3-1/2 digit 7-segment LED.
- Should have LED/LCD display of hemoglobin in gm/dl.
- Zero setting Automatic.
- Sample volume: 0.01 ml.
- Calibration: Automatic
- Accuracy of Instrument should be +/- 2% as compared to international approved method of hemoglobin estimation.
- Instrument should work on dual wavelength one for hemoglobin measurement (570mm) and one for turbidity compensation.(880 nm).
- Portable for use during camps.
- 100 test strips microcuvettes should be provided with equipment.
- Battery backup with chargeable battery.

- **Settings**: Manual
- **User's Interface**: Manual.
- **Software and /or standard of communication**: Built in

➢ **Energy Source**

- **Power Requirements**: Input Voltage 220/240V, 50 Hz.
- **Battery Operated**: In built battery.

➢ **Accessories, Spare parts, Consumables**

- **Accessories & Spare parts:** Complete with comprehensive set of spare parts. The make, rating, model, description, specifications, price quantity of each item shall be furnished separately.

➢ **Environmental and Departmental Considerations**

- **Atmosphere/Ambiance:** Capable of operating continuously in ambient temperature of 10-40 Deg C and relative humidity of 15 to 90%.
- **Additional Requirements:** All equipments should specify Design Qualifications, installation qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/International standards. Performance efficiency, other factors such as distortion etc. as applicable be also furnished. Complete construction, details in respect of material speciation, thickness, finish etc are to be furnished.
- **User's care, Cleaning, Disinfection & Sterility issues:**Specified in the manual**.**

➢ **Standards & Safety**

- **Product Certifications:** CE Class II A or US FDA certified**.**
- **Quality Certifications:** ISO 9001:2008 certified**.**
- **Electrical Safety:** Equipment meets electrical safety specifications such as that of IEC (Class II).

➢ **Training & Installation**

- **Training of staff:** Training of users in operation and basic maintenance shall be provided.

➢ **Warranty & Maintenance**
- **Warranty:** 5 years
- **Maintenance tasks:** 5 years AMC/CAMC
- **Service contract clauses, including prices: Downtime-**48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf to affirm completion of installation.

➢ **Documentation**
- **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
- **Other accompanying documents:** List to be provided of important spare and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes:**
- **Service support contact details:** Should be provided
- **Recommendation of warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

14) Table top Centrifuge

➢ **General:**
- **Clinical Purpose:** Preparation of samples for clinical/lab analysis.

➢ **Technical**
- **Technical Characteristics:**
  - Speed Range 500 to 4500 rpm on load with variable speed regulator
  - It should be fitted with digital timer 0-59 minutes and digital speed indicator: LED/LCD display.
  - The machine should be supplied with swing/angle rotor head having 16 tubes of 5 to 1ml capacity. It should be supplied with stainless steel tube carrier, rubber cushions.
  - The lid should be double walled made of stainless sheet/ABS plastic molding for extra safety.
  - It should also be fitted with electronic lid lock which should not open when machine is in running condition.
  - The motor of machine should be fitted with anti vibration pads.
- **Capacity:** Can accommodates 16/24 tubes at a time**.**
- **Settings:** Manual**.**
- **User's Interface:** Manual**.**
- **Software and/or standard of communication:** Built in

➢ **Physical Characteristics:**
- **Noise (in dBA):** Noise factor should not exceed 60 decibels**.**

➢ **Energy Source**
- **Power requirements:** Input voltage 220/240V, 50Hz 1/8HP motor of 220V AC.

➢ **Accessories Spare parts Consumables**

- **Accessories & Spare parts:** Complete with comprehensive set of spare parts. Also supplied complete instruction manual, cord and plug, dust cover, 12 spare rubber cushions. The make, rating, model, description, specification, price, quantity of each item shall be furnished separately.

➢ **Environmental and Departmental Consideration**

- **Atmosphere/Ambiance:** Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
- **Additional Requirements:** All equipments should specify Design qualifications, installation qualifications, Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/International standards. Performance efficiency other factors such as distortion etc as applicable be also finished Complete construction details in respect of material specification thickness finish etc are to be furnished**.**
- **User's care, Cleaning, Disinfection & Sterility issues:** Specified in the manual**.**

➢ **Standards & Safety**

- **Product certifications:** CE class II A or USFDA certified**.**
- **Quality Certifications:** ISO Certified**.**
- **Electrical Safety:** Equipment meets electrical safety specifications such as that of IEC (Class I).

➢ **Training & Installation**

- **Training of staff:** Training of users in operation and basic maintenance shall be provided.

➢ **Warranty & Maintenance**

- **Warranty:** 5 years
- **Maintenance tasks:** 5 years AMC/CAMC.
- **Service contract clauses, including prices:** Downtime-48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

➢ **Documentation**

- **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
- **Other accompanying documents:** List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes**

- **Service Support Contact details:** Should be available**.**
- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared**.**

15) PQS Digital Temperature Monitor

➢ Shock/Water proof unit to major the temperature range -50 to 300C for use in water bath, refrigerator, deep freezer.

➢ Back lighting key for reading in dark areas.

- Large Digital Display to read from 10 ft distance.
- Extra long probe provided with the unit, stand, removable suction-cup, battery, traceable certificate.

16) Insulated PQS Blood Transport box with Ice packs (8 blood bags)

- Insulated PVC material transportation boxes for blood unit transportation
- Capacity about 20 blood units with ice packs.
- ISO/CE certified.

17) Refrigerated Water Bath (Cryobath)

- **General**
  - **Clinical Purpose:** For uniforms thawing of plasma bags**.**
- **Technical**
  - **Technical Characteristics**
    - **For uniform thawing of plasma bags at preset temperature of 4C +/- 2C.**
    - **Construction:**

      For uniform thawing of plasma bags at preset temperature of 4 Dec +/- Deg C. high capacity pump to facilitate optimum and uniform thawing of plasma. System to prevent contamination of individual ports during thawing. Microprocessor based digital controller to precise monitoring and controlling of temperature at 4 DE C +/- Deg C. Stainless steel tank of 22 gauge and stainless steel lid of atleast 20 gauge. Drain line with shut off valve.mounted on lockable castor wheels.

      Temperature sensing method: Sealed sensor dipped directly in the water.

      Power consumption: Maximum 1600W

      Operating temperatures: 2 Deg C to 6 Deg C

      Programmable temp range: 2 Deg C to 50 Deg C

      Display resolution atleast 1 Deg C.

      Time taken: Time taken for one process should not be more than 2 hours for plasma bags store at -40 Deg C.

      Tray Stainless steel removable tray of individual compartments for holding plasma bags.
  - **Capacity**: 10-20 bags per run or per one cycle.
  - **Settings**: Manual
  - **User's Interface**: Manual
  - **Software and/or standard of communication**: Built in
- **Physical Characteristics**
  - **Noise (in dBA)**: Noise factor should not exceed 50 decibels.
- **Energy Source**
  - **Power Requirements**: Input voltage 230 + 10%V, 50Hz, 15r Amp single phase AC.
- **Accessories, Spare parts, Consumables**
  - **Accessories & Spare parts:** Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make rating, model, description, specifications, price, quantity of each item shall be furnished separately.
- **Environmental and Departmental Considerations**

- **Atmosphere/Ambiance:** Capable of operating continuously in ambient temperature of 10 to 40Deg C and relative humidity of 15 to 90%.
- **Additional Requirements:** All equipments should specify Design qualifications, installation qualifications, Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable National/ International standards. Performance, efficiency other factors such as distortion etc as applicable be also furnished. Complete construction details in respect of material specification thickness, finish etc are to be furnished.
- **User's care, Cleaning, Disinfection & Sterility issues:**Specified in the manual**.**

➢ **Standards and Safety**
- **Product Certifications:** CE class II A or US FDA certified.
- **Quality Certifications:** ISO certified
- **Electrical Safety:** Equipment meets electrical safety specifications such as that of IEC class I.

➢ **Training and Installation**
- **Training of staff**: Training of users in operation and basic maintenance shall be provided.

➢ **Warranty & Maintenance**
- **Warranty**: 5 years
- **Maintenance tasks**: 5 years AMC/CAMC.
- **Service contact clauses, including prices**: Downtime-48 hours or after penalty clause will be active.

➢ **Documentation**
- **Operating manuals service manuals, other manuals:** Necessary catalogues technical write up in English shall be attached with the offer both in hard and soft copies.
- **Other accompanying documents:** List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes**
- **Service support contact details:** Should be provided
- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

18) Cyber scan pH 700 Meter

➢ pH Range -2.00 to 16.00 pH
➢ Resolution & Accuracy 0.01 & +/- 0.01
➢ mV Range +/- 2000mV
➢ Resolution & Accuracy 0.1mV & +/-0.2mV (within +/- 199.9mV); 1mV 0.2 & +/-mV (beyond +/- 200mV)
➢ Temperature Range 0.0 to 100C
➢ Resolution & Accuracy 0.1C & +/- 0.3C
➢ pH buffer option USA (pH 1.68, 4.01, 7.00, 10.01, 12.45)
➢ Temperature compensation automatic/Manual (0 to 100C)

- Memory 100 sets
- Special Functions Averaging / Stability; Self diagnostic; Hold & pH Slope
- Power Requirements 9V AC/DC adaptor
- CE Certified/USFDA approved.

19) Water Bath

- **General**
  - **Clinical Purpose:** A water bath is a device used in he laboratories to incubate samples in water maintenance at a constant temperature**.**
- **Technical**
  - **Technical Characteristics:** Water Bath with Microprocessor technology
    - Bright temperature display (LED)
    - Seamless, splash-proof keypad
    - Splash-proof main switch
    - Audible and optical warning signal for the cut off function
    - Drain screw for conveniently emptying the bath
    - Dry-running protection
    - Removable bottom plate
    - Working temperature range room temp upto 100 Deg C
    - Temperature stability +/-1C
    - Display LED
    - Display resolution 1 Deg C
    - Heater capacity 2000 W
    - Filling volume 8 to 30 Ltrs
    - Ambient temperature 5 Deg C to 40 Deg C.
    - Should have a stirrer.
  - **Capacity:** Manual
  - **Settings:** Manual
  - **User's Interface:** Manual
  - **Software and /or standard of communication:** Built in
- **Physical Characteristics**
  - **Heat Dissipation:** 2000 W
- **Energy Source**
  - **Power Requirements:** Input voltage 220/240V, 50 Hz.
- **Accessories Spare parts Consumables**
  - **Accessories & Spare parts:** Complete with comprehensive set of spare parts. The make, rating, model, description, specifications, price, quantity of each item shall be furnished separately.
- **Environmental and Departmental Consideration**
  - **Atmosphere/Ambiance:** Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
  - **Additional Requirements:** All equipments should specify Design qualifications, Installation qualifications, Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable

national/international standards. Performance efficiency other factors such as distortion etc as applicable be also furnished complete construction details in respect of material specification thickness, finish etc are to be furnished.

- **User's care, Cleaning, Disinfection & Sterility issues:** Specified in the manual.

➢ **Standard and Safety**

- **Product Certifications:** CE Class II A or US FDA certified**.**
- **Quality Certifications:** ISO certified**.**
- **Electrical Safety:** Equipment meets electrical safety specifications such as that of IEC.

➢ **Training and Installation**

- **Training of staff:** Reagents for validation/training of users in operation and installations shall be provided by the manufacturer free of cost.

➢ **Warranty and Maintenance**

- **Warranty: 5 years**
- **Maintenance tasks: 5 years AMC/CAMC**
- **Service contract clauses, including prices:** Downtime: 48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

➢ **Documentation:**

- **Operating manuals, Service manuals, other manuals**: Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies..
- **Other accompanying documents**: List ot be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes**

- **Service Support contact details:** Should be provided.
- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

20) Laminar Airflow Bench (Bio-Safety Cabinet)

➢ **General**

- **Clinical purpose: Sterile hood for component separation.**

➢ **Technical**

- **Technical Characteristics:**
  - Floor model, Horizontal flow, well lighted work surface, low vibration and noise easy to manover due to castor wheel provision
  - **Construction:**

    Cabinet stainless steel sheet of 20 SWG lining

    Front panels, Removable transparent scratch resistant sheet of approximately 6mm thickness. Work table, Stainless steel sheet of 20 SWG lining

    Pre-Filters Filtration efficiency of 98% for all types of particles of size 8 micron and larger.

    HEPA filters (fine filters) Filtration efficiency of 99.999% for all types of particles of sizes 0.3 micron and larger. Housed in a frame with leak proof gaskets.

Motor blower Dynamically balanced and specially constructed to suit low noise and vibration with adjustable speed. Motor shall confirm to ISS or any international specifications.

Air velocity should not be more than 100 from over the work area.

Lighting Fluorescent tube lights with diffuser acrylic to get 120 decalux on work surface. Ultra-violet light source shall be provided.

Manometer should be provided with appropriate manometer to measure the air pressure.

- **Settings:** Manual
- **User's Interface:** Manual
- **Software and/or standard of communication:** Built in

➢ **Physical Characteristics**

- **Dimensions:** 1200mm x 600mm x 600mm

➢ **Energy Source**

- Power Requirements: Input voltage 220/240V, 50 Hz single phase. The equipment shall be provided with both 5 Amp and 15 Amp plug units inside the cabinet.
- Protection: Online voltage corrector of appropriate rating as per standard configuration

➢ Accessories Spare parts Consumables

- Accessories & Spare parts: Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make, rating, model, description , specification, price quantity of each item shall be furnished separately.

➢ Environmental and Departmental Considerations

- **Atmosphere/Ambience**: Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
- **Additional Requirements**: All equipments should specify design qualification installation qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance efficiency, other factors such as distortion etc as applicable be also furnished complete construction details in respect of material specification thickness, finish etc are to be furnished.
- **User's Care, cleaning, Disinfection & Sterility issues**:Specified in the manual**.**

➢ **Standards & Safety**

- **Product certifications:** CE class II A or US FDA certified**.**
- **Quality certifications:** ISO Certified
- **Electricals safety:** Equipment meets electrical safety specifications such as that of IEC (Class I).

➢ **Training and Installation**

- **Training of staff:** Installation, commissioning and trial run will be the responsibility of the supplier.

➢ **Warranty and Maintenance**

- **Warranty:** 5 years
- **Maintenance tasks:** 5 years AMC/CAMC.

- **Service contract clauses, including prices:** Downtime-48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

➢ **Documentation**

- **Operating manuals, service manuals, other manuals:** The firm shall positively submit printed illustrated technical literature/leaflet including the model quoted by them. If quoted model is modified version of their any standard model that also be indicated in the other.

➢ **Notes**

- **Service support contact details:** Should be provided**.**
- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

21) Refrigerated Centrifuge

➢ **General:**

- Clinical purpose: For separation of blood components like packed cells, platelet rich plasma, platelet concentrate, plasma cryoprecipitate.

➢ **Technical:**

- **Technical Characteristics**
  Refrigerant Centrifuge with CFC free refrigerant
- **Construction:** Microprocessor controlled system to make operation automatic. Programmable memory, memory with tamperproof facility, Stainless steel Chamber, Easy to clean corrosion resistant with provision of both drain and condensed water collection container. Removable plastic cups to hold, Single/double /triple/quadruple (soft filter) blood bags with partition in every bucket. Insert with hook adaptor to spin buffy coat or small volume of blood and balancing weights for inserts. Equipped with automatic lid lock. Speed variation, Microprocessor controlled rotor speed to within 10rpm of set value. acceleration and deceleration profiles shall be available. Microprocessor controlled rotor temperature within 1 Deg C of set of temperature regardless of the centrifuge speed. Programmable time 0-99 minutes with minimum resolution of 1 minute. Digital display of temperature, speed and lime minimum no. of 3 digit resolution. Motor imbalance detection. Automatic shut down or centrifuge if rotor load is out of balance with appropriate indicator. Should incorporate alarms for imbalance detection lid interlock, over temperature, rotor over speed. The equipment shall be suitable for operation from 0 to 40 Deg C at 90% relative humidity. Electronic circuitry shall be tropicalised for this ambient condition. The equipment shall have lockable castors. Protection of data, In event of power interruption or complete data should remain stored. Should have a provision of external connectivity. It shall have a security lock to prevent unintentional switch off and also unauthorized opening of the equipment.
- **Capacity**: Swing bucket blood bank with metal buckets 4/6 x 2000ml, wind shielded, suitable adaptors for 8/12 blood bags of 350ml & 450ml with soft filter.
- **Settings**: Manual.

- **User's Interface**: Manual
- **Software and/or Standard of communication**: Built in

➢ **Physical Characteristics**

- Noise (in dBA): Noise factor should not exceed 60 decibels.

➢ **Energy Source**:

- **Power Requirements**: Input voltage single/three phase along with a line voltage corrector of appropriate rating.

➢ **Accessories Spare parts Consumables**

- **Accessories & Spare parts:** Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make, rating, model, description, specifications, price, quantity of each item shall be furnished separately.

➢ **Environmental and Departmental Considerations**

- **Atmosphere/Ambience:** Capable of operating continuously in ambient temperature of 0 to 40 Deg C and relative humidity of 16 to 90%.
- **Additional Requirements**: All equipments should specify Design qualifications, installation qualifications, Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable National/International standards. Performance efficiency other factors such as distortion etc as applicable be also furnished. Complete construction details in respect of material specification thickness finish etc are to be furnished.

➢ **Standards and Safety**

- **Product Certifications:** CE class II A or US FDA certified**.**
- **Quality Certifications:** ISO certified
- **Electrical safety:** Equipment meets electrical safety specifications such as IEC (class I).

➢ **Training and Installation**

- **Pre-Installation requirements, nature, values, quality, tolerance:** It is important that company should install and made it operational.
- **Training of Staff:** Training of users in operation and basic maintenance shall be provided.

➢ **Warranty and Maintenance**

- **Warranty**: 5 years
- **Maintenance tasks**: 5 years AMC/CAMC
- **Service contract clauses, including prices**: Downtime- 48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

➢ **Documentation**

- **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
- **Other accompanying documents**: List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes**

- **Service support contact details:** Should be provided**.**

- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

22) Manual Plasma Expresser

- **General**
  - **Clinical purpose: Suitable to express blood components (plasma platelets) from blood bags.**
- **Technical**
  - **Technical Characteristics:**
    - Should be suitable to express blood components (plasma, platelets) from blood bags.
    - **Mode of operation:** Manual
    - **Construction:** Front panel should be spring loaded to uniform pressure on blood bag causing transfer of fluid. Compression plate should be made to transparent acrylic and it should be durable. Metal used for the equipment should be non corrosive and can be cleaned with antiseptics. Base portion and vertical surface should be made to have better strength and long lasting performance. Should have hooks for holding blood bags, suitable to express blood components (plasma platelets) from blood bags.
  - **Capacity:** Suitable for 350/450 ml filled blood bag.
  - **Settings:** Manual**.**
  - **User's Interface:** Manual**.**
- **Environmental & Departmental considerations**
  - **Atmosphere/Ambiance:** Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%
  - **Additional requirements:** All equipments should specify Design Qualifications installation qualifications, operational qualifications and performance qualifications validation and calibration reports should have traceability towards applicable National/international standards. Performance efficiency other factors such as distortion etc as applicable be also furnish. Complete construction details in respect of material specification thickness, finish etc are to be furnished.
  - **User's care, Cleaning, Disinfection & Sterility issues:** Specified in the manual**.**
- **Warranty & Maintenance**
  - **Warranty:** 5 years**.**
  - **Maintenance tasks:** 5 years AMC/CAMC**.**
  - **Service contract clauses, including prices:** Downtime-48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation**.**
- **Documentation:**
  - **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical, write up in English shall be attached with the offer both in hard and soft copies
  - **Other accompanying documents:** List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration an inspection to be provided.
- **Notes:**

- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared**.**

23) Platelet Incubator & Platelet Agitator

- **General**
  - **Clinical purpose:** To continuously agitate platelet concentrate in an incubator.
- **Technical**
  - **Technical Characteristics:**

    Flat bed agitator fitted inside a temperature controlled incubator operating with CFC free refrigerant gas.

    Construction:

    A. **Platelet Incubator**: Should have the provision to store the agitator. Should have a single transparent outer doc for clear visibility. Should be able to maintain a temperature of 22+/- 2 Deg C. Set temperature of 22 Deg C. Should have digital temperature indicator. Seven day chart recorder with battery backup for minimum of 2 hours for continuous operation during power failure. Single digital temperature control battery on/low sensor failure, agitator off power failure, compressor and system. Should have forced air circulation method for the uniformity of the temperature at all sides of the incubator. Chamber mounted electrical outlet for agitator should be available.

    B. **Platelet Agitator**:

    Internal Surface: Sturdy Stainless steel/powder coated

    External surface: Sturdy and corrosion resistant

    Capacity Transparent Door

    Design Shelves: Shelves are made of non slip corrosion resistant material coated with bacterial resistant material, perforated to ensure air circulation and with sufficient clearance to minimize noise gentle side to side agitation at 3.6-4cm side to side, 60-70 strokes/minute. Heavy duty ball bearing gear motor for noiseless and continuous operation for 24 hours a day throughout the year. Motor with internal fan.

    Should have door open alarm

    Refrigeration: Non CFC air cooled refrigeration

    Temperature: 7 days chart recorder with free charts till one year. Temperature controller with sensor.
  - **Capacity:** Designed to hold random platelet packs or apheresis platelet packs or a mixture of both types for 24 bags.
  - **Settings:** Manual.
  - **User's interface:** Manual.
  - **Software and/or standard of communication:** Built in.
- **Physical Characteristics**
  - **Noise (in dBA):** Noise factor should not exceed 60 decibels.
- **Energy Source**
  - **Power requirements:** Input voltage 220/240V, 50Hz.
- **Accessories Spare parts Consumables**

- **Accessories & Spare parts:** Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make rating model description specifications price quantity of each item shall be furnished separately.

➢ **Environmental and Departmental Considerations**

- **Atmosphere/Ambience:** Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
- **Additional Requirements:** All equipments should specify design qualification, Installation, qualification Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/International standards. Performance efficiency other factors as distortion etc as applicable be also furnished. Complete construction details in respect of material specification thickness finish etc are to be furnished.
- **User's Care, Cleaning, Disinfection & Sterility issues:** Specified in the manual.

➢ **Standards & safety**

- **Product Certifications:** CE class II A or US FDA certified**.**
- **Quality Certifications:** ISO certified
- **Electrical Safety:** Equipment meets electrical safety specifications such as that of IEC (Class I).
- **Safety Features:** Audio alarm for temperature fluctuation, Auto stop for agitation when the door is open, Power failure alarm, Push buttons switch with pause function for temporary stoppage of the motion.

➢ **Training & Installation**

- **Training of staff:** Training of users in operation nd basic maintenance shall be provided.

➢ **Warranty and Maintenance**

- **Warranty :** 5 years
- **Maintenance Tasks:** 5 years AMC/CAMC
- **Service contract clauses, including prices:** Downtime-48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

➢ **Documentation**

- **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
- **Other accompanying documents:** List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes**

- **Service support contact details:** Should be provided**.**
- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

24) Deep Freezer (-80C)

- **General**
  - **Clinical Purpose:** To freeze and store plasma.
- **Technical**
  - **Technical Characteristics**
    - **Compression freezer with CFC free refrigerant**

      Construction:

      Internal stainless steel (min 22g) (SS V2A-1.4301)
      External Solid outer Corrosion Resistant (atleast 1mm thickness), CFC free insulation
      Design Upright type 400 Litres Capacity
      Door does not project at side when opened. The door should have minimum 100mm Polyurethane/Silicon insulation with heated glass ware.
      Insulin and gasket should be Polyurethane/Silicon insulation should be minimum of 80mm Drawers
      Heating device on frame to avoid condensation
      Internal temperature control: Electronic temperature control, Operating temperature reachable lowest up to-86 Deg C with setting accuracy of +/-1 Deg C whatever the load. Fan air cooling, Automatic defrost within safe temperature range. Casing & door should have insulation panel with polyurethane foam.
      Refrigeration: Heavy duty hermetically sealed compressor air cooled cascaded refrigeration system maintains inner temperature below -80C. Refrigerant CFC free/green gas.
      Optional should have UPS Back up.
      External Ambient temperature: Performs in a ambient temperature of +10 Deg C to +40 Deg C.
      Hold over time: 2 hrs ambient temperature.
      Cooling Down time: A full load of plasma packs at -25 Deg C takes a maximum of 5 hrs for all the packs to reach below -5 Deg C.
      Temperature Monitoring: Digital temperature (LED) display with 0.1 Deg C graduation, Temperature recording device. Microprocessor control for operation with integrated audio visual temperature alarm function with digital monitoring display. There should be a method to check alarm system. Seven days graphic temperature recorder with range of 0 Deg C to -100 Deg C with supply of free charts for a period of warranty Battery backup for alarm and temperature recording device. Mounted on a lockable castor wheels. Desirable Noise factor should not exceed 60 decibels.
      Alarm systems: Should have door open alarm high temp alarm low temp alarm and power off alarm.
  - **Capacity**: 400plsma bags of 200ml each.
  - **Settings**: Manual.
  - **User's Interface**: Manual.
  - **Software and/or standard of communication:** Built in.
- **Physical Characteristics**
  - Noise (in dBA): Noise factor should not exceed 60dB.
- **Energy Source**
  - Power Requirements: Input voltage 220/240V, 50Hz along with a line voltage corrector of appropriate rating.
  - Battery operated: UPS

- **Accessories spare parts consumables**
  - **Accessories & Spare parts**: Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make rating model, description, specifications, price, quantity of each item shall be furnished separately, ISO/ISI certified.
- **Environmental and Departmental considerations**
  - **Atmosphere/Ambience**: Capable of being stored continuously in ambient temperature 0-50 Deg C and relative humidity of 15 to 90% capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
  - **Additional requirements**: All equipments should specify Design Qualifications. Installation qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance efficiency other factors such as distortion etc as applicable be also furnished. Complete construction details in respect of material specification thickness, finish etc are to be furnished.
  - **User's care, Cleaning, Disinfections & Sterility issues.** Specified in the manual.
- **Standards & Safety**
  - **Product certifications**: CE Class II A or US FDA Certified.
  - **Quality Certification**: ISO certified.
  - **Electrical safety**: Equipment electrical safety specifications such as that o IEC (Class I).
- **Training & Installation**
  - **Training of staff**: Training of users in operation and basic maintenance shall be provided.
- **Warranty & Maintenance**
  - **Warranty:** 5 years
  - **Maintenance tasks:** 5 years AMC/CAMC
  - **Service contract clauses, including prices: Downtime:** 48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
- **Documentation**
  - **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
  - **Other accompanying documents:** List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
- **Notes**
  - **Service Support contact details:** Should be provided
  - **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

25) Deep Freezer (-40C)

- **General**
  - **Clinical Purpose:** To freeze and store plasma.
- **Technical**
  - **Technical Characteristics**
    - **Compression freezer with CFC free refrigerant**
      Construction:

      Internal stainless steel (min 22g) (SS V2A-1.4301)
      External Solid outer Corrosion Resistant (atleast 1mm thickness), CFC free insulation
      Design Upright type. Mounted on lockable castor wheels
      Door does not project at side when opened. The door should have minimum 100mm Polyurethane/Silicon insulation with heated glass ware.
      Insulin and gasket should be Polyurethane/Silicon insulation should be minimum of 80mm.
      Internal temperature control: Electronic temperature control, Operating temperature reachable lowest up to-45Deg C with setting accuracy of +/-1 Deg C whatever the load. Fan air cooling, Automatic defrost within safe temperature range. Casing & door should have insulation panel with polyurethane/silicon > 80mm thickness.
      Refrigeration: Heavy duty hermetically sealed compressor air cooled cascaded refrigeration system maintains inner temperature below -40C. Refrigerant CFC free/green gas.
      External Ambient temperature: Performs in a ambient temperature of +10 Deg C to +40 Deg C.
      Hold over time: 2 hrs ambient temperature.
      Cooling Down time: A full load of plasma packs at -25 Deg C takes a maximum of 5 hrs for all the packs to reach below -5 Deg C.
      Temperature Monitoring: Digital temperature (LED) display with 0.1 Deg C graduation, Temperature recording device. Microprocessor control for operation with integrated audio visual temperature alarm function with digital monitoring display. There should be a method to check alarm system. Seven days graphic temperature recorder with range of 0 Deg C to -50Deg C with supply of free charts for a period of warranty Battery backup for alarm and temperature recording device.
      Alarm systems: Should have door open alarm high temp alarm low temp alarm and power off alarm.
  - **Capacity**: 400plsma bags of 200ml each.
  - **Settings**: Manual.
  - **User's Interface**: Manual.
  - **Software and/or standard of communication:** Built in.
- **Physical Characteristics**
  - Noise (in dBA): Noise factor should not exceed 60dB.
- **Energy Source**
  - Power Requirements: Input voltage 220/240V, 50Hz along with a line voltage corrector of appropriate rating.
  - Battery operated: UPS
- **Accessories spare parts consumables**

- **Accessories & Spare parts**: Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make rating model, description, specifications, price, quantity of each item shall be furnished separately, ISO/ISI certified.

➢ **Environmental and Departmental considerations**

- **Atmosphere/Ambience**: Capable of being stored continuously in ambient temperature 0-50 Deg C and relative humidity of 15 to 90% capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
- **Additional requirements**: All equipments should specify Design Qualifications. Installation qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance efficiency other factors such as distortion etc as applicable be also furnished. Complete construction details in respect of material specification thickness, finish etc are to be furnished.
- **User's care, Cleaning, Disinfections & Sterility issues.** Specified in the manual.

➢ **Standards & Safety**

- **Product certifications**: CE Class II A or US FDA Certified.
- **Quality Certification**: ISO certified.
- **Electrical safety**: Equipment electrical safety specifications such as that o IEC (Class I).

➢ **Training & Installation**

- **Training of staff**: Training of users in operation and basic maintenance shall be provided.

➢ **Warranty & Maintenance**

- **Warranty:** 5 years
- **Maintenance tasks:** 5 years AMC/CAMC
- **Service contract clauses, including prices: Downtime:** 48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

➢ **Documentation**

- **Operating manuals, service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
- **Other accompanying documents:** List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes**

- **Service Support contact details:** Should be provided
- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

26) Digital Analytical Balance

➢ Efficient and convenient performance for daily weighing
➢ Maximum capacity 120g
➢ Pan 9cm Diameter

- Repeatedly Readability -0.1mg
- Linearity -0.2mg
- Drift-2ppm Degree C
- Time - 2 sec
- Weight – 4.5 kg or less
- ISO/GLP certified
- Amperage -0.3A
- Depth – 13.4”
- Commission type - RS323L

27) Plasma Thawing Bath

- **General**
  - **Clinical Purpose: Plasma Thawing bath is used for thawing of fresh frozen plasma (FFP) and cryoprecipitate as per the therapeutic requirements.**
- **Technical**
  - **Technical Characteristics:**
    Construction: Table top with top opening. Having a deep thawing chamber with a stirrer and with water maintained at +37+/-1 Deg C with pumping mechanism and inline heating system to ensure uniform thawing. Quick thawing (<20 minutes). Should be able to thaw 4/8 plasma bags (FFP/cryoprecipitate/Aphaeresis or plasma bags of any size). Should have two separate basket assembles with built in finger for securely holding the plasma bags of all sizes. Tray with individual compartment to ensure that ports of bags may be kept above water level during the procedure. Should give an alarm when the plasma bags are thawed. Provision for programmable time setting for length of thawing. Should have digital timer clearly displaying the programmed set time or to drain he chamber easily. Should be supplied wit a cover to keep the unit covered when not in use. Sample to use and easy to read LED display. Drain line with shut off valve.
    Tray: Removable type stainless steel trays with partitions for holding plasma bags.
  - **Capacity**: Capacity of minimum 4 to 8 plasma bags.
  - **Settings**: Manual.
  - **User’s Interface**: Manual
  - **Software and/or standard of communication**: Built in.
- **Energy Source**:
  - **Power Requirements**: Input Voltage 220/240V, 50 Hz, Single phase.
- **Accessories Spare parts Consumables**
  - **Accessories & Spare parts**: Reusable wrap bag numbers.
- **Environmental & Departmental Considerations**
  - **Atmosphere/Ambiance**: Capable of being stored continuously in ambient temperature of 0 to 50 Deg C and relative humidity of 15 to 90%. Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
- **Additional Requirements**: All equipments should specify Design qualifications, installation qualifications, Operational qualifications and Performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance, efficiency, other factors such as distortion

etc, as applicable be also furnished. Complete construction, details in respect of material specification, thickness, finish etc are to be furnished.

- **User's Care, Cleaning, Disinfection & Sterility issues:** Specified in the manual.
- **Standards &Safety**
  - **Product Certifications**: CE Class II A or US FDA certified.
  - **Quality Certifications**: ISO Certified.
  - **Electrical Safety**: Equipment meets electrical safety specifications such as that of IEC (Class I).
- **Training & Installation**
- **Training of Staff**: Training of users in operation and basic maintenance shall be provided.
- **Warranty & Maintenance**
  - **Warranty**: 5 years
  - **Maintenance tasks**: 5 years AMC/CAMC
  - **Service contract clauses, including prices: Downtime**: 48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
- **Documentation**
  - **Operating manuals, Service manuals, other manuals:** Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
  - **Other accompanying documents:**List to be provided of important spares and accessories, with their part numbers and cos. Certificate of calibration and inspection to be provided.
- **Notes:**
  - **Recommendations of warnings**: Any recommendations for best use and supplementary warning for safety should be declared.

28) Sterile Connecting Device welding accessories

- **General**
  - **Clinical Purpose:** Should accommodate and weld all types of blood bag tubing in use in our country
- **Technical**
  - **Technical Characteristics:**
    - **Construction:** The welding should be seamless. Should be capable of joining tubes without leakage. Welding should not affect the quality of the tube in terms of its physical and chemical properties and it should not cause hemolysis. It should have LED indicators or LCD display to show the actual status of the ongoing procedural steps and audio visual alarm system for any functional irregularities. The welding accessories should be available with the local agent throughout year. The cost per welding is to be considered while price evaluation. The cost per welding will be preferably frozen during the period of warranty and maintenance and accessories made available.
    - **Settings:** Manual**.**
    - **User's Interface:** Manual**.**
    - **Software and/or standard of communication:** Built in.

- **Energy Source:**
  - **Power Requirements:** 220V, 50Hz, AC
  - **Other energy supplies:** Compatible UPS with half an hour backup.
- **Accessories Spare parts Consumables**
  - **Accessories & Spare parts:** Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make, rating, model, description, specifications, price, quantity of each item shall be furnished separately. ISO/ISI certified.
- **Environmental and Departmental Considerations**
  - **Atmosphere/Ambiance:** Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
  - **Additional Requirements:** All equipments should specify Design qualifications, installation qualifications, Operational Qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance efficiency other factors such as distortion etc as applicable be also furnished. Complete construction data in respect of material specification, thickness, finish etc are to be furnished.
  - **User's care, Cleaning, Disinfection & Sterility issues:** Specified in the manual.
- **Standard and Safety**
  - **Product Certifications:** CE Class II A or US FDA certified**.**
  - **Quality Certifications:** ISO certified**.**
  - **Electrical Safety:** Equipment meets electrical safety specifications such as that of IEC (Class I).
- **Warranty and Maintenance**
  - **Warranty:** 5 year
  - **Maintenance tasks:** 5 years AMC/CAMC.
  - **Service contract clauses, including prices:** Downtime: 48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
- **Documentation:**
  - **Operating manuals, Service manuals, other manuals**: Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies.
  - **Other accompanying documents**: List ot be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.
- **Notes**
  - **Service Support contact details:** Should be provided.
  - **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

29) Semi Automated Coagulometer

- **General**
  - **Clinical Purpose:** Coagulometer measures the blood clotting parameters.
- **Technical**
  - **Technical Characteristics**

- Should be Microcomputer controlled, semi automatic with at least 4 channels optics.
- Based on optical principle with LED suitable for PT, a-PTT, fibrinogen, thrombin time, factors II, V, VII, VIII, IX, X, XI, XII, Fletcher, AT-III, protein C, Protein S, Heparin, STAT.
- Results can be represented in seconds % activity ratio INR g/L and mg/L. Should be able to store specific test parameters in the system.
- Should have LCD display.
- Printer type should be specified with equipment specification (Laser Printer with maintenance cost included in AMC).
- Should generate the standards curve for factor assays.
- Open system for reagent and low reagent consumption
- **Construction:** Should have integrated/external incubation block with pre-warming positions**.**
- **Printer:** Complete system with printer or printer connectivity is required.
- **Display:** LCD display.
- **Calibration**: Manual.

- **Capacity:** Storage capability for detail results including histograms upto 500 tests.
- **Settings:** Manual**.**
- **User's Interface:** Manual.
- **Software and/or Standard of communication:** Built in

➢ **Energy Source**

- **Power Requirements:** Input voltage 220/240V, 50 Hz, fitted with Indian plug.
- **Other energy supplies**: Suitable UPS with maintenance free batteries for minimum 30 minutes back-up should be supplied with the system**.**

➢ **Accessories Spare Parts Consumables**

- **Accessories & Spare parts:** Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make, rating, model, description, specifications, price, quantity of each item shall be furnished separately ISO/ISI certified.

➢ **Environmental and Departmental considerations**

- **Atmosphere/Ambiance:** Capable of operating continuously in ambient temperature of 10 to 40 Deg C and relative humidity of 15 to 90%.
- **Additional Requirements:** All equipments should specify, Design Qualifications, Installation qualifications, Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance, efficiency, other factors such as distortion etc as applicable be also furnished. Complete construction details in respect of material specification, thickness, finish etc are to be furnished.

➢ **Standards & Safety**

- **Product Certifications:** CE Class II A or US FDA certified**.**
- **Quality Certifications:** ISO Certified**.**
- **Electrical safety:** Equipment meets electrical safety specifications such as that of IEC (Class I).

➢ **Training and Installation**

- **Training of staff:** Reagents for validation/training of users in operation and installations shall be provided by the manufacturer free of cost.

➢ **Warranty and Maintenance**

- **Warranty: 5 years**
- **Maintenance tasks: 5 years AMC/CAMC**

- **Service contract clauses, including prices:** Downtime: 48 hours or after penalty clause will be active. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

➢ **Documentation:**

- **Operating manuals, Service manuals, other manuals**: Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies. Certificates of calibration and inspection. List of equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual.
- **Other accompanying documents**: List ot be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided.

➢ **Notes**

- **Service Support contact details:** Should be provided.
- **Recommendations or warnings:** Any recommendations for best use and supplementary warning for safety should be declared.

TURNKEY WORK SCHEDULE

S.NO	PARTICULARS	Qty	UNIT
1	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	32.000	M.SQ
2	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand)	60.000	M.SQ
3	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	60.000	M.SQ
4	Dismantling plasteredbrickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	3.000	M.CUBE
5	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	2.000	M.CUBE
6	Dismantling Tile Flooring and Walls & Roof and disposing the debris away from site all complete as directed.	32.000	M.SQ

SL No.	DESCRIPTION	Qty	UNIT
1	**Point wiring in PVC conduit with modular type switch.**		
	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC , with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.		
	Group C	0	Point
6	**Modular boxes, bases & cover plate:**		
	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)		
a	2 module	0	Each
b	3 module	0	Each
c	4 module	0	Each
d	6 module	202	Each
e	8 module	0	Each
f	12 module	0	Each
7	**Modular type switch/socket:**		
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)		
a	5/6 Amps switch	187	Each
b	3 pin 5/6 Amp socket outlet	187	Each
c	15/16 Amps switch	15	Each
d	6pin 15/16 Amps (universal) socket outlet	17	Each
e	Telephone socket outlet	0	Each

Section – VII
Quality Control Requirements

(Proforma for equipment and quality control employed by the manufacturer(s)

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

Note: All the following details shall relate to the manufacturer(s) for the goods quoted for.

01 Name of the manufacturer
- a. Full postal address with e mail address.
- b. Telephone number
- c. Fax number
- d. E-mail

02 Quality control arrangement details
- a. For final product evaluation

03 Test certificate held
- a . Type test
- b . BIS/ISO certification
- c . Any other

Signature and seal of the Tenderer

Section – VIII

Qualification Criteria

Sl. No.	Minimum Eligibility Criteria	Narrations
1	Authority to tender	The Tenderer must be a Manufacturer or Authorized Agent/dealer/Distributor or Consortium partner.
2	Entirety	The tenderer shall quote for all items in the list of requirements, if any of the item not quoted then their bid will be treated as non responsive.
3	Experience	*The tenderer shall have successfully established at least five (05) Blood Bank/ Blood Component Separation unit during last three years prior the date of Tender opening with similar equipment performing similar functions and meeting major specification parameters of the quoted item, which is functioning satisfactorily in India.*
4	Financial capability	The annual sales turnover for the bidder should be minimum of Rs. 1 Crore as in each year for last 3 financial years: During the year (2015-2016 to 2017-2018), and it should be certified by the chartered accountants. by Chartered Accountant shall be enclosed– Proforma 'A'- I)
5	Responsiveness to List of Equipments	The items quoted shall be responsive to the requirements in the List of Equipments in the Tender.

Note

1. In support of 3, the Tenderer shall furnish Performance statement in the enclosed Proforma 'A' II (SECTION- IX) duly signed by the Purchaser

2. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VII.

3. Not withstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.

4. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

Section – IX A
TENDER FORM

Date_____

To

General Manager (Materials),
HLL Lifecare Limited,
Akkulam Factory, Sreekariam PO,
Thiruvananthapuram – 17.
Phone +91 471 244 5930, Fax +91 471 244 5935
Email: hcdcmo@lifecarehll.com

TENDER No. _____dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver_____ (Description of goods and services) in conformity with your above referred document for the sum of _____ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - IV – "Special Conditions of Contract", for due performance of the contract.

We agree to keep our tender valid for acceptance as required in the GIT clause 20, or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

(Signature with date)

(Name and designation) Duly authorised to sign tender for and on behalf of

PROFORMA 'A' I

Name & Address of Tenderer :

Whether Manufacturer or agent :

Financial Data	15-16	16-17	17-18	Average annual turnover for last 3 years

Annual Turn over

Gross Profit/Loss

Whether attached the relevant Pages of Balance sheet and Profit and Loss A/c duly certified By Chartered Accountant

Signature and stamp of Chartered Accountant **Signature of Tenderer with stamp**

PROFORMA 'A' II (Documentary proof for Proforma 'A')
PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last three years)

Tender Reference No. : _____

Date of opening : _____

Order cross reference No. : _____

Name and address of Purchaser : _____

Country of origin,Name and address of the manufacturer/Tenderer : _____

Order placed by (full address of Purchaser	Order number and date	Description and quantity of ordered goods and services	Value of order (Rs.)	Date of completion of Contract		Remarks indicating reasons for delay if any	Have the goods been functioning Satisfactorily
				As per contract	Actual		
1	2	3	4	5	6	7	8

Date:

Signature and seal of the Purchaser

NB: Satisfactory performance certificate from clients to be enclosed

Section – IXB
TENDER FORM (for price bid)

Date_____

To

General Manager (Materials),
HLL Lifecare Limited,
Akkulam Factory, Sreekariam PO,
Thiruvananthapuram – 17.
Phone +91 471 244 5930, Fax +91 471 244 5935
Email: hcdcmo@lifecarehll.com

Tender No. _____dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver_____ (Description of goods and services) in conformity with your above referred document for the sum of _____ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.
If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.
We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - IV – "Special Conditions of Contract", for due performance of the contract.
We agree to keep our tender valid for acceptance as required in the GIT clause 20, read with modification, if any in – "Special Instructions to Tenderers" or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.
We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.
We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.
We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

(Signature with date)

(Name and designation) Duly authorised to sign tender for and on behalf of

SECTION – X PRICE SCHEDULE (A)

A) PRICE SCHEDULE FOR SUPPLY & INSTALLATION OF BLOOD BANK EQUIPMENT TO HIMACHAL PRADESH

1	2	3	4		5								6
SI No	Brief Description of Goods	Brand / Model	Make / Country of Origin	Qty	Price per unit (Rs.)								Total Price (at Consignee Site) basis (Rs.) 4 x 5(f)
					Basic Rate Per Unit	GST		Freight& Insurance & Delivery at Destination		Service charges, if any, specify	Other charges, if any, specify	Unit Price (at Consignee Site) bas	
					(a)	(b)		€		(d)	€	**(f) =a+b+c+d+e**	
						%	Amt	%	Amt				
1	Blood Bank Refrigerator 600 ltrs			9									
2	Refrigerator for Kits and reagents storage with digital display			25									
3	ELISA Reader with Washer			9									
4	Blood Donor Couch			25									
5	Blood collection monitor with agitator			14									
6	Dielectric Tube Sealer			24									
7	Autoclave with temp. & pressure display			2									
8	Colorimeters/ Cell Counter/Haemoglobinometer			2									
9	Needle Destroyer			13									
10	Binocular Microscope			15									
11	Incubator with thermostat			2									
12	Mechanical Shaker for serological test			9									
13	Haemoglobinometer			14									

1	2	3	4		5								6
SI No	Brief Description of Goods	Brand / Model	Make / Country of Origin	Qty	Price per unit (Rs.)								Total Price (at Consignee Site) basis (Rs.) 4 x 5(f)
					Basic Rate Per Unit	GST		Freight& Insurance & Delivery at Destination		Service charges, if any, specify	Other charges, if any, specify	Unit Price (at Consignee Site) bas	
					(a)	(b)		€		(d)	€	**(f) =a+b+c+d+e**	
						%	Amt	%	Amt				
14	Table centrifuge with digital display			11									
15	PQS Digital Temperature monitor			8									
16	Insulated PQS Blood Transport box with Ice packs (for 8 blood bags)			4									
17	Refrigerated Water Bath (Cryo Bath)			3									
18	PH meter			2									
19	Water Bath (Serological)			4									
20	Laminar Air Flow Bench			1									
21	Refrigerated Centrifuge			3									
22	Plasma Expresser (Manual/ Automated)			2									
23	Platelet Incubator cum Agitator			1									
24	Deep Freezer '-80°C			1									
25	Deep Freezer '-40°C			1									
26	Digital Analytical Balance			1									
27	Plasma Thawing Bath			1									
28	Sterile Connecting Device			1									
29	Coagulometer			1									

1	2	3	4		5								6
SI No	Brief Description of Goods	Brand / Model	Make / Country of Origin	Qty	Price per unit (Rs.)								Total Price (at Consignee Site) basis (Rs.) 4 x 5(f)
					Basic Rate Per Unit	GST		Freight& Insurance & Delivery at Destination		Service charges, if any, specify	Other charges, if any, specify	Unit Price (at Consignee Site) bas	
					(a)	(b)		€		(d)	€	**(f) =a+b+c+d+e**	
						%	Amt	%	Amt				
30	Turnkey works			1									
	Total												

Total tender price in rupees_____

In words: _____

Note:

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. Successful tenderer shall execute the contract with HLL as per Section XIV.
3. The charges for CAMC after warranty shall be quoted separately as per Section – X – Price Schedule (B)
4. ThisRate contract shall be valid initially for a period of One year, extendable for another 6 months at the discretion of HLL

Name_____

Business Address_____

Place: _____

Signature of Tenderer_____

Date: _____

TURNKEY WORK

S.NO	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
1	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	32.000	M.SQ		
2	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand)	60.000	M.SQ		
3	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm	60.000	M.SQ		
4	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	3.000	M.CUBE		
5	Dismantling the existing RCC concrete including cutting the reinforcement, stacking the useful materials as directed by engineer-in-charge, dumping the dismantled debris as indicated at site, leveling, consolidating, all complete as directed and disposal of debris away from site all complete.	2.000	M.CUBE		
6	Dismantling Tile Flooring and Walls & Roof and disposing the debris away from site all complete as directed.	32.000	M.SQ		
	Basic Rate in Rs.				
	GST @ 18% in Rs.				
	Total Cos tin Rs.				

S.NO	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
1	**Point wiring in PVC conduit with modular type switch.**				
	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC , with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group C	0	Point		
6	**Modular boxes, bases & cover plate:**				
	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
a	2 module	0	Each		
b	3 module	0	Each		
c	4 module	0	Each		
d	6 module	202	Each		
e	8 module	0	Each		
f	12 module	0	Each		
7	**Modular type switch/socket:**				
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
a	5/6 Amps switch	187	Each		
b	3 pin 5/6 Amp socket outlet	187	Each		
c	15/16 Amps switch	15	Each		
d	6pin 15/16 Amps (universal) socket outlet	17	Each		
e	Telephone socket outlet	0	Each		
	Basic Rate in Rs.				
	GST @ 18% in Rs.				
	Total Cos tin Rs.				

Total tender price in rupees_____

In words: _____

Name_____

Business Address_____

Place: _____

Signature of Tenderer_____

Date: _____

SECTION – X PRICE SCHEDULE (B)

A) PRICE SCHEDULE FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT AFTER WARRANTY PERIOD

1	2	3	4				
SI No.	**Brief Description of Goods**	**QTY**	**Comprehensive Maintenance Contract price per unit per year**				
			1st year	**2nd year**	**3rd year**	**4th year**	**5th year**
1	Blood Bank Refrigerator 400 Bag (600L)						
2	Reagent Refrigerator 300 L						
3	ELISA Reader & Washer						
4	Blood Donor Couch						
5	Blood Collection Monitor						
6	Dielectric Tube Sealer						
7	Pre Vacuum Autoclave (100L)						
8	Cell Counter						
9	Incubator with thermostat 250L						
10	Haemoglobinometer						
11	Table Centrifuge with digital display						
12	Refrigerated Water bath (Cryo bath)						
13	Water Bath (Serological) 30L						
14	Laminar Airflow Bench						
15	Refrigerated Centrifuge						
16	Plasma Expresser (Manual)						
17	Platelet Incubator cum Agitator						

1	2	3	4				
SI No.	**Brief Description of Goods**	**QTY**	**Comprehensive Maintenance Contract price per unit per year**				
			1st year	**2nd year**	**3rd year**	**4th year**	**5th year**
18	Deep Freezer -80C 400L						
19	Deep Freezer -40C 400L						
20	Plasma Thawing Bath 12 bags						
21	Coagulometer						
	GST:_____						
	Total Rs:						

*** After completion of 5 years Warranty period for respective equipment as mentioned in the warranty clause**

NOTE:-

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of CAMC which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment and Turnkey.
3. The cost of CAMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Successful tenderer shall enter into an ~~conrtact~~contract with the purchaser~~NHM~~, after expiration of warranty period with approval from Purhaser~~HLL~~ as per Section XV.
5. The payment of CAMC will be made as per clause GCC clause 21.1.
6. The uptime warranty will be 95 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CAMC period.
8. The stipulations in Technical Specification will supersede above provisions.
9. The supplier shall keep sufficient stock of spares required during Comprehensive Annual Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name_____

Business Address_____

Place: _____ **Signature of Tenderer_____**

Date: _____ **Seal of the Tenderer_____**

SECTION – XI
BANK GUARANTEE FORM FOR EMD

Whereas _____ (hereinafter called the "Tenderer") has submitted its quotation dated _____ for the supply of _____ (hereinafter called the "tender") against the purchaser's tender enquiry No. _____ Know all persons by these presents that we _____ of _____ (Hereinafter called the "Bank") having our registered office at _____ are bound unto __ _____ (hereinafter called the "Purchaser) in the sum of _____ for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____ 20____. The conditions of this obligation are:

(1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.

(2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-

a) fails or refuses to furnish the performance security for the due performance of the contract.

or

b) fails or refuses to accept/execute the contract.

or

c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition(s).

This guarantee will remain in force for a period of forty-five days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorised officer of the Bank)

Name and designation of the officer

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

SECTION – XII

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CAMC SECURITY

To

HLL Lifecare Limited,
Akkulam Factory, Sreekariam PO,
Thiruvananthapuram – 17.
Phone +91 471 244 5930, Fax +91 471 244 5935
Email: hcdcmo@lifecarehll.com

WHEREAS _____ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no_____ dated _____ to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total 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 further 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.

This guarantee shall be valid up to 36 (thirty Six) months from the date of Notification of Award i.e up to ---------- (indicate date)

…….
(Signature with date of the authorised officer of the Bank)
…….
Name and designation of the officer
…….
…….
Seal, name & address of the Bank and address of the Branch

SECTION – XIII
A) MANUFACTURER'S/DISTRIBUTOR'S AUTHORISATION FORM

To

General Manager (Materials),
HLL Lifecare Limited,
Akkulam Factory, Sreekariam PO,
Thiruvananthapuram – 17.
Phone +91 471 244 5930, Fax +91 471 244 5935
Email: hcdcmo@lifecarehll.com

Dear Sirs,

Ref. Your TE document No _____, dated _____

We, _____ who are proven and reputable manufacturers/distributor's of_____(name and description of the goods offered in the tender) having factories at_____, hereby authorise Messrs_____(name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. _____ (name and address of the above agent) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty, CAMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

[Signature with date, name and designation]
for and on behalf of Messrs_____

[Name & address of the manufacturer/distributor]

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

B) CONSORTIUM AGREEMENT

This Consortium agreement (hereinafter referred as “Agreement”) is entered on this the __day of _____, 20__ by and between;

M/s _____, incorporated as a company under the Companies Act, 1956 and having its Registered Office at _____ (hereinafter referred as “Lead Partner”), which the expression shall unless otherwise include all its successors, and permitted assigns) and represented by _____, in the capacity of _____ of the FIRST PART

AND

M/s _____, a company incorporated under the laws of _____ and having its Registered Office at _____ (hereinafter referred as “Second Partner”), which the expression shall unless otherwise include all its successors, and permitted assigns)and represented by …….. in the capacity of _____ of the SECOND PART

For the purpose of this Agreement both the “Lead Partner” as well as “Second Partner” are collectively called “Partners” and individually called “Partner”.

Whereas –

a. HLL Lifecare Limited (Purchaser/HLL) has floated a tender vide Tender No: _____ for supply & installation of Blood Bank Equipments to Himachal Pradesh on turnkey basis.
b. As per the Tender document, bids are to be submitted by any Consortium which will be considered; provided such bids fulfill all the specific requirements in that regard.
c. Now the Parties to this Agreement decided to form a Consortium to participate in the Tender .
d. AND WHEREAS the bid is being submitted based on the consortium agreement being these presents and the bid with its bid forms and submission documents in accordance with the requirement of tender document conditions and requirements have been signed by all the partners and submitted to HLL Lifecare Ltd.

NOW THIS AGREEMENT WITNESSTH HEREIN AS FOLLOWS

1. That the Parties to this Consortium do hereby agrees to participate in the Tender in the name and style of “ _____” (hereinafter referred as “Consortium”).

2. **Scope:** Purpose of this Agreement is to participate and submit all necessary bid documents against the Tender floated by HLL and in case of award, supply the tendered items listed below as against each partner.

Sl. No.	List of Equipments	Qty in Nos
1		
2		
3		
4		
5		
6		

3. **Tenure:** This Agreement shall be valid till the date of either rejection of the Bid submitted by this Consortium against the Tender floated by the HLL or till the expiry of the Contract entered between the Consortium members and HLL in case of award of the Tender to this Consortium.
4. In consideration of the bid submission by us to HLL, pre-qualification of our technical bid by HLL if considered acceptable, submission of price bid by us and the award of contract by HLL to the Consortium (if selected by), we the partners to the Consortium, hereby agree that M/s _____ shall act as the Lead Partner for self, and for and on behalf of Partner – II and further declare and confirm that _____ shall be solely bound to HLL for execution of the contract in accordance with the contract terms and shall perform all contractual obligations including technical guarantees. Further, the Lead Partner is authorized to incur liabilities and receive instructions for and on behalf of any or all partners of the Consortium.
5. The Lead Partner shall be solely responsible for Management of all the works to be undertaken under the tender and it shall be the nodal point for HLL for queries, purchase orders, installation and payments.
6. In case of any breach of the said Contract by any of the partners of the Consortium, we hereby agree to be fully responsible for the successful execution/ performance of the Contract in accordance with the terms of the Contract.
7. Further, if HLL suffers any loss or damage on account of any breach of the Contract or any shortfall in the completed work meeting the guaranteed performance parameters as per the technical specifications/ contract documents, the Lead Partner undertakes to promptly make good such loss or damage caused to HLL, on HLL's demand without any demure. HLL shall have the right to proceed against_____.

8. The financial liability of the partners to this Consortium Agreement, to HLL with respect to the any or all claims arising out of the performance or non-performance of the Contract shall, however be not limited in any way so as to restrict or limit the liabilities of either of the partner.
9. It is expressly understood and agreed between the partners to this agreement that the responsibilities and obligations of each of the partners shall be as delineated in this agreement. It is further agreed by the partners that the above sharing of responsibilities and obligations shall not in any way be a limitation of the joint and several responsibilities of the partners under the Contract.
10. **Obligations of the Second Partner**
    a. That, the Second Partner ensures the procurement and supply of the items listed above.
    b. That, the Second Partner ensures to provide necessary training to the staffs employed in respective training centers operating under the provisions of the contract signed between the Consortium and HLL.
    c. That, the Second Partner agrees to provide necessary repairers and replacements for supplied items, if any found defective during the tenure of the agreement between the Consortium and _____HLL Provided such defects have incurred due to any breakage or manufacturing defect and must be pointed out by the Lead Partner to the Second Partner in writing within 3 days from the date of identification of such defect.
11. This Consortium Agreement shall be governed, construed and interpreted in accordance with Laws of India. Courts of Thiruvananthapuram shall have exclusive jurisdiction in all matters arising there under.
12. In case of award of contract, we the partners to this Consortium Agreement do hereby agree that we shall furnish the contract performance guarantee (if any) in favour of the HLL from a bank acceptable/ approved by HLL for a value as stipulated in the Contract Award.
13. It is further agreed that this Consortium Agreement shall be irrevocable and shall form an integral part of the Contract and shall continue to be enforceable till the Consortium members discharges the same. It shall be effective on the date first above mentioned for all purposes and intents.

IN WITNESS WHEREOF, the partners to this Consortium agreement have, through their respective authorized representatives, have executed these presents and affixed their hands and common seal of their respective companies on the day, month and year first abovementioned.

For M/s _____ **For M/s** _____

Authorized Signatory **Authorized Signatory**

Witnesses:

1.

SECTION – XIV
CONTRACT FORM - A

CONTRACT FORM FOR SUPPLY, INSTALLATION, COMMISSIONING, HANDING OVER, TRIAL RUN, TRAINING OF OPERATORS & WARRANTY OF GOODS

THISAGREEMENTmadethe.....dayof.....,20.....between.....
(NameandAddressof*Purchaser*)representedbytheGeneral Manager (Mtls)..... (hereinafter "the *Purchaser*") of onepartand (Name and Address ofSupplier) .....(hereinafter "the Supplier") represented by…… (Name of the Authorized Signatory and Designation), Aged …..... years, residingat …… (Full Residential Address of the Signatory) of the other part:

WHEREAS the *Purchaser* is desirous that certain Goods and ancillary services should be provided by theSupplier, viz., (Brief Description of Goods andServices)and_____has accepteda bid by the Supplier for the supply of those goods and services in the sum of..... (Contract Price in Words and Figures) (hereinafter "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referredto.

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

   (a) the Bid Form and Price Schedule submitted by theBidder;
   (b) the Schedule ofRequirements;
   (c) the TechnicalSpecifications;
   (d) the General Conditions ofContract;
   (e) the Special Conditions of Contract;and
   (f) the ***Purchaser***'s Notification ofAward

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 provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of theContract.

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 theContract.

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

SI. No.	Decription of Goods	Qty	Unit Price in Rs.	GST Amt in Rs.	Total Amt in Rs.

Total Value in Rs._____

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referredto.

2. The following documents shall be deemed to form and be read and constructed as part of this Agreement, Ref No. viz.:

   (a) HLL Tender Ref No. _____

   (b) HLL Amendment/Corrigendum No._____,

   (c) Supplier Bid Ref No._____.

   (d) Minutes of Negotiation Meeting Dt._____.

   (e) P.O.Ref No_____.

3. **Delivery location:** The supply of equipment to designated delivery locations. The delivery locations in Himachal Pradesh is provided in the purchase order released by the purchaser.

4. **Delivery Period**: 90 days from the date of order.

5. **Terms of Payment:** Payment shall be made in Indian Rupees as specified in the contract in the following manner:-

   a) 50% of supply value shall be released against supply and certificate for receipt of the item in good condition from the Hospital/HLL.

   b) 40**%** payment shall be released against certificate of installation and commissioning of equipments and completion of necessary turnkey works (Civil & Electrical) certified by the Hospital Authorities/Purchaser‘s Site Incharge.

   c) Final 10% shall be released against submission of certificate issued by Hospital/HLL certifying that the facility has been installed, commissioned and handed over and submission on Performance Security and other documents stated in this tender.

d) Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract and upon the submission of the following documents:

i. Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
ii. Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
iii. Two copies of packing list identifying contents of each package;
iv. Inspection certificate issued by the nominated Inspection agency, if any.
v. Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
vi. Certificate of origin.

6. **Warranty**: 5 years, warranty period will be effective from the date of installation, commissioning and acceptance. During warranty period 3 preventive maintenance shall be executed, once in every four months in a year

7. **Performance Security**: The supplier shall submit performance security by way of security deposit or bank guarantee in the form prescribed for the total value of the purchase order, valid upto sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations. Necessary preventive maintenance reports shall be submitted at the end of warranty period with working satisfactory certification from HLL/Hospital.

8. **CAMC**: Comprehensive Annual Maintenance Contract as per the prevailing rate as mentioned below will be applicable for the purchase orders issued for Five (5) years after completion of warranty period.

9. **Purchaser Rights:** Purchaser reserves all rights to cancel the purchase order issued by the purchaser at any time without assigning any reasons.

10. **Applicable Law**
The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.

Resolution of disputes

11. If the parties fail to resolve their dispute or difference by such mutual consultations within twenty one days of its occurrence the same shall be referred for arbitration to a Sole arbitrator to be appointed by the C&MD, of the Purchaser Arbitration shall be conducted as per the provisions of the Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof for the time be in force. The arbitrator shall give a reasoned award.

The award of the arbitrator shall be final and binding on the parties to this contract.The venue of arbitration shall be Thiruvananthapuram, Kerala, India and the language of the proceedings shall be English

a.

b. Subject to above mentioned Arbitration Clause, any dispute or differences arising out of this Agreement shall fall under the exclusive jurisdiction of courts at Thiruvananthapuram.

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

Signed, Sealed and Delivered by the

said..... (For the *Purchaser*)

in the presence of .....

Signed, Sealed and Delivered by the

said .....(For the Supplier) (Signature, Name, Designation and

Address with Office seal)

in the presence of .....

1) (Signature, Name and Address ofwitness)

(Signature, Name and Address ofwitness

SECTION – XV
CONTRACT FORM – B
CONTRACT FORM FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT

This AGREEMENT made on this day ---------- between HLL Lifecare Ltd (HLL)/ National Health Mission (NHM), represented by the _____ having his Office at _____ (hereinafter called HLL/**NHM)** of one part and M/s. _____ represented by ---------- aged --------- years, having his / her Office at ---------- ---------- (hereinafter called "_____") of the other part. (The term *HLL/NHM* and _____, wherever the context appear and unless, it is specifically excluded, shall mean and exclude its successor, assign administrators and executors).

WHEREAS the _____ had supplied and installed _____ number _____ at _____ against the supply order placed by HLL vide P.O. No. _____ and as per provisions of the tender and supply order _____ should provide Comprehensive Annual Maintenance Services for this equipment (herein after called services) and the purchaser accepted & approved the rates and terms & conditions offered by _____ in the financial bid for the services to which this agreement made for.

NOW THE AGREEMENT WITNESS AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract / order referred to above.

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

   a. the terms and conditions stipulated in *Purchaser's* tender document ref. _____, Dt._____ for the supply of the equipment.

   b. the Bid Form and Price Schedule submitted by _____ for supply and providing the maintenance Services, against the tender.

   c. the supply order for supply and installation of the equipment vide Ref No. _____ Dt._____ placed by Purchaser.

3. The Contract of Annual Comprehensive Maintenance is hereby concluded as under:

Sr. No	**Name of Equipment**	**Qty**	**Total CAMC Amt in Rs. (Excl applicable GST)**				
			6th year	**7th year**	**8th year**	**9th year**	**10th year**
1	Blood Bank Refrigerator 600 Bags	9					
2	Refrigerator for Kits and reagents storage with digital display	25					
3	ELISA Reader with Washer	9					
4	Blood Donor Couch	25					
5	Blood collection monitor with agitator	14					

Sr. No	Name of Equipment	Qty	Total CAMC Amt in Rs. (Excl applicable GST)				
			6th year	7th year	8th year	9th year	10th year
6	Dielectric Tube Sealer	24					
7	Autoclave with temp. & pressure display	2					
8	Colorimeters/ Cell Counter/Haemoglobinometer	2					
9	Needle Destroyer	13					
10	Binocular Microscope	15					
11	Incubator with thermostat	2					
12	Mechanical Shaker for serological test	9					
13	Haemoglobinometer	14					
14	Table centrifuge with digital display	11					
15	PQS Digital Temperature monitor	8					
16	Insulated PQS Blood Transport box with Ice packs (for 8 blood bags)	4					
17	Refrigerated Water Bath (Cryo Bath)	3					
18	PH meter	2					
19	Water Bath (Serological)	4					
20	Laminar Air Flow Bench	1					
21	Refrigerated Centrifuge	3					
22	Plasma Expresser (Manual/ Automated)	2					
23	Platelet Incubator cum Agitator	1					
24	Deep Freezer '-80°C	1					
25	Deep Freezer '-40°C	1					
26	Digital Analytical Balance	1					
27	Plasma Thawing Bath	1					
28	Sterile Connecting Device	1					
29	Coagulometer	1					

4. Payments shall be made by HLL/NHM to Supplier as per the Purchaser's tender document, _____ hereby covenant with the *Purchaser* to provide the Comprehensive Annual Maintenance

Services in conformity in all respects with the provisions of the *Contract* and the orders referred above.

5. The rates indicated cover all charges towards cost of spare parts, transportation and installation charges, cost of travel, boarding, lodging and expenses related to service personnel and other expenses related to maintenance of the equipment. No claim whatsoever will be entertained.

6. It is agreed that the rates indicated hereunder will be firm during the contract period and the contract period is for 5 years from _____.(date of expiry of 5 year warranty period)
7. Performance security shall be submitted by way of Bank Guarantee valid till_[(fill the date) 2 months after expiry of entire CAMC period] for an amount of Rs._____ [(fill amount) equivalent to 5 % of the cost of the total CAMC value.

8. It is agreed that _____ will provide preventive maintenance call atleast one visit in four months and the gap between any two Preventive Maintenance should not be less than 90 days and not more than 115 days and attend all breakdown calls, within the time limit prescribed in the tender. In addition, all breakdown calls shall be attended to immediately and all major repairs shall be rectified within 7 calendar days from the date of intimation, as per tender, failing which, a penalty of Rs.50,000/- per day thereof is leviable until the equipment is repaired and commissioned to the satisfaction of the end user, For this purpose you shall carry sufficient inventories to assure prompt replacement of defective parts as per tender.

9. It is agreed that the failure to attend to any breakdown calls within the prescribed time limit will attract penalty as stipulated in the CAMC order.

10. Uptime guarantee of 95% shall be maintained by _____ on annual basis taking into consideration the number of actual working hours and working days of the centre.

11. Purchaser reserves its rights to get the maintenance services done through any other agency at your full risk and cost and also to take appropriate penal action including termination of the contract, if the performance of services is found not satisfactory and below the 95% uptime level.

12. All disputes arising out of this agreement would be settled by arbitration by a sole arbitrator to be appointed by the CMD Of Purchaser

13. All disputes arising out of this agreement will be subjected to the jurisdiction of Thiruvananthapuram only.

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

Signed, Sealed and Delivered by the

Said …….. (For the NHM)

in the presence of ……..

Signed, Sealed and Delivered by the

Said …… (For _____)

in the presence of ……

SECTION – XVI

CONSIGNEE RECEIPT CERTIFICATE

(To be given by consignee's authorized representative)

The following store (s) has/have been received in good condition:

(i) Contract No. & date :_____

(ii) Supplier's Name :_____

(iii) Consignee's Name & Address with telephone No. & Fax No. : _____

(iv) Name of the item supplied :_____

(v) Quantity Supplied :_____

(vi) Date of Receipt by the Consignee:_____

(vii) Name and designation of Authorized Representative of Consignee :_____

(viii) Signature of Authorized Representative of Consignee with date :_____

(ix) Seal of the Consignee :_____

SECTION – XVII

Proforma of Final Acceptance Certificate by the Consignee

No_____
Date_____

To
M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

This is to certify that the equipment(s)/plant(s) as detailed below has/have been received in good conditions along with all the standard and special accessories and a set of spares (subject to remarks in Para no.02) in accordance with the contract/technical specifications. The same has been installed and commissioned.

(a) Contract No_____ dated_____

(b) Description of the equipment(s)/plants: _____

(c) Equipment(s)/ plant(s) nos.:_____

(d) Quantity:_____

(e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no_____ dated _____

(f) Name of the vessel/Transporter:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

Details of accessories/spares not yet supplied and recoveries to be made on that account.

Sl. No.	Description of Item	Quantity	Amount to be recovered No.

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).
The supplier has fulfilled its contractual obligations satisfactorily ## or
The supplier has failed to fulfil its contractual obligations with regard to the following:
He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.
He has not supervised the commissioning of the equipment(s)/plant(s)in time, i.e. within the period specified in the contract from date of intimation by the Purchaser in respect of the installation of the equipment(s)/plant(s).
The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.
The amount of recovery on account of failure of the supplier to meet his contractual obligations is_____ (here indicate the amount).
Signature.
Name.
Designation with stamp.

Explanatory notes for filling up the certificate:

He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.

He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser in respect of the installation of the equipment(s)/plant(s).

Training of personnel has been done by the supplier as specified in the contract.

In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned.

SECTION XVIII

CONSIGNEE ADDRESS

Sr. No.	Name of Equipment	Qty.	Delivery locations
1.	Blood Bank Refrigerator 600 ltrs	9	Bilaspur-1, Chamba-1, Kullu-2, DDU-1, KNSH Shimla -1, Rampur-1, Sirmaur-1,Dr. RPGMC Tanda -1
2.	Refrigerator for kits and regents storage with digital display	25	Bilaspur-1, Chamba-1, Hamirpur-2, Dharamshala-2, Palampur-1,Kullu-2, Kinnaur (R-Peo) -1,DDU-2 , KNH-1, Rampur-2, Rohru-1, Sirmaur-1,Solan-2,Una-1,Dr.RPGMC Tanda-2, Mandi-2, IGMC-1
3.	ELISA Reader with Washer	9	Bilaspur-1,Palampur-1, Kinnaur -1, KNH-1, Rampur-1, Rohru-1, Sirmaur-1, Solan-1,Una-1
4.	Blood Donor Couch	25	Bilaspur-2,Chamba-2, Dharamsala- 2, Kinnaur – 2, DDU-2, KNH-2, Rampur-2, Rohru-2 , Solan-2, Mandi-2 ,Kullu – 2 ,Dr. RPGMC Tanda -2, Palampur-1
5.	Blood Collection Monitor with agitator	14	Bilaspur-1,Chamba-1,Dharamshala-1,Kinnaur – 2, Kullu-1,DDU-1,KNH-2,Rampur-1,Rohru-1,Sirmaur-1,Solan-1,Mandi-1
6.	Dielectric Tube Sealer	24	Bilaspur-2 , Chamba-2, Hamirpur-2,Dharamshala-1,Palampur-2, Kinnaur – 2, Kullu-2, DDU-2, KNH-1, Rampur-2 ,Rohru-1, Sirmaur-2,Solan-1, Una-2
7.	Autoclave with temp. & pressure display	2	Mandi-1, Kullu -1
8.	Cell Counter	2	Dr.RPGMC Tanda-1, Kullu– 1
9.	Needle destroyer	13	Bilaspur-2, Chamba-1, Hamirpur-2, Dharamshala-2, Kinnaur – 1, Kullu-1, Rohru-1, Sirmaur-2 , Solan-1
10.	Binocular Microscope	15	Bilaspur-1, Chamba-1, Dharamshala-1, Kinnaur – 2, DDU-2, KNH-1, Rampur-2, Rohru-1, Sirmaur-2, Solan-1, Una-1
11.	Incubator with thermostat	2	Kinnaur – 1, KNSH Shimla- 1
12.	Mechanical Shaker for serological test	9	Bilaspur-1, Chamba-1, Dharamshala-1,Kinnaur – 1,Kullu-1,DDU-1,Rampur-1,Sirmaur-1, Una-1
13.	Haemoglobinometer	14	Chamba-1,Hamirpur-1,Dharamshala-1, Palampur-1,Kinnaur – 1,Kullu-1,DDU-1,KNH-2, Rampur-1, Rohru-1, Sirmaur-1, Solan-1, Una-1
14.	Table centrifuge with digital display	11	Bilaspur-1,Chamba-1,Dharamshala-1,Kinnaur – 1,Kullu-1,DDU-1,KNSH Shimla – 1, Rampur-1,Rohru-1, Solan-1,Una-1
15.	PQS Digital Temperature monitor	8	Dr RPGMC Tanda-2 , Mandi-2 ,IGMC-2,Kullu – 2

Sr. No.	Name of Equipment	Qty.	Delivery locations
16.	Insulated PQS Blood Transport box with Ice packs (for 8 blood bags)	4	IGMC-2, Kullu– 2
17.	Refrigerated Water Bath (Cryo Bath)	3	IGMC-1, Kullu – 1,Dr. RPGMC Tanda– 1
18.	PH meter	2	Mandi-1, Kullu - 1
19.	Water Bath (Serological)	4	Kullu – 2 ,Dr. RPGMC Tanda – 1,KNSH Shimla -1
20.	Laminar Airflow bench	1	Kullu -1
21	Refrigerated Centrifuge	3	Kullu – 2, Dr. RPGMC Tanda - 1
22.	Plasma Expresser (Manual/ Automated)	2	Kullu– 2
23.	Platelet Incubator cum Agitator	1	Kullu -1
24.	Deep Freezer (-80o C)	1	Kullu – 1
25.	Deep Freezer (-40o C)	1	Kullu– 1
26.	Digital Analytical Balance	1	Kullu – 1
27.	Plasma Thawing Bath	1	Kullu – 1
28.	Sterile Connecting device	1	Kullu – 1
29.	Coagulometer	1	Kullu – 1

SECTION – XIX

CHECK LIST

Name of Tenderer:
Name of Manufacturer:

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
1. a.	Have you enclosed EMD of required amount for the quoted schedules?			
b.	In case EMD is furnished in the form of Bank Guarantee, has it been furnished as per Section XIII?			
c.	In case Bank Guarantee is furnished, have you kept its validity of 165 days from Techno Commercial Tender Opening date as per clause 19 of GIT?			
2. a.	Have you enclosed duly filled Tender Form as per format in Section IX?			
b.	Have you enclosed Power of Attorney in favour of the signatory?			
3. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
b.	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
4. a.	Have you submitted satisfactory performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			
b.	Have you submitted copy of the order(s) and end user certificate?			
5.	Have you submitted manufacturer's / distributors authorization as per Section XIV?			
6.	Have you submitted prices of goods, CAMC etc. in the Price Schedule as per Section X?			
7.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
8. a.	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
b.	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			
9.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
10.	Have you fully accepted payment terms as per TE document?			
11.	Have you fully accepted delivery period as per TE document?			
12.	Have you submitted the certificate of incorporation?			
13.	Have you accepted the warranty as per TE document?			
14.	Have you accepted terms and conditions of TE document?			
15.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			
16.	Have you furnished relevant pages of Annual Report (Balance Sheet and Profit & Loss Account) regarding turnover and profit for last three years prior to the date of Tender opening?			

Date:

Name

Signature

Stamp and full address