

**TENDER FOR SUPPLY OF BLOOD SCREENING & PROCESSING
EQUIPMENTS TO BLOOD BANK & BLOOD COMPONENT
SEPERATION UNIT AT THQH MANNARKAD, PALAKKAD DIST -
(KERALA) ON TURNKEY BASIS**

HLL/AFT-CMO/KL-EQP (MNK)/2018-19/03, Dt. 14.01.2019



HLL LIFECARE LIMITED

(AGOV.T.OFINDIAENTERPRISE)

AKKULAM FACTORY, SREEKARIAM P.O.

THIRUVANANTHAPURAM – 17

Phone +91 471 244 5930, Fax +91 471 244 5935

Email: hcdcmo@lifecarehll.com

Web: www.lifecarehll.com

SECTION I

IFB NO: HLL/AFT-CMO/KL-EQP (MNK)/2018-19/03

Dt. 14.01.2019

TENDER NOTICE

INVITATION TO BID (ITB)

HLL Lifecare Limited hereby invites sealed bids **under Two Bid system consisting of Technical Bid (Cover-A) and Price Bid (Cover-B)** from eligible bidders for the supply of following Blood Screening & processing Equipments to Blood Bank & Blood Component Separation Unit at Taluk Head Quarters Hospital, Mannarkadu, Palakkadu District, Kerala on turnkey basis.

Sr.No	Name of Equipment	Qty	Tender Fee	EMD
Blood Screening & processing Equipments				
1	Automatic Micro Plate Washer	1	Rs. 525/-	Rs. 14,000/-
2	ELISA Reader with Computer Laser Printer	1		
3	Binocular Microscope	1		
4	Micropipettes (Fixed)	3		
5	Micropipettes (Variable Volume)	3		
6	VDRL Shaker	1		
7	RH/Slide Viewing Box	1		
8	Gel Card Centrifuge with Incubator for cross matching	1		
9	Digital Haemoglobin meter with disposable cuvettes	1		
10	Platelet Incubator 125 Ltrs	1		
11	Agitator 24 bags	1		
12	Plasma Expresser cum Extractor Electrical Automatic	1		

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. SSI/MSME units are not exempted from the Security Deposit, if the tender is awarded.

A.INTRODUCTION

- 1.1 Primary manufacturers / dealers are eligible to participate in the tender.
- 1.2 Bidders should not be associated with the purchaser for the preparation of the design, specifications, and other documents used for the procurement of the goods under this Invitation of Bids.
- 1.2 Bidders should not be associated with the purchaser for the preparation of the design, specifications, and other documents used for the procurement of the goods under this Invitation of Bids.

- 1.3 The bidder should have a **minimum 3 years' experience in the field of manufacture and/or supply of the similar equipments.**
- 1.4 Bidder should have good financial background proven by balance sheet of three immediate previous financial years showing profit.

Sl. No.	Minimum Eligibility criteria	Narrations Other than Tender No.
1	Experience	Should have a minimum of 3 years' experience in dealing Blood Bank Equipments and supply of similar equipments tendered.
2	Entirety	Bidder shall quote for all the items tendered, if any item not quoted then their bid will be treated as non responsive
3	Licenses/Registrations for undertaking, supply and installation contracts	Primary manufactures who participate in the tender must produce their valid manufacturing license. 1) Tenderers, other than manufacturers, who participate in this tender must produce the followings: a) An authorization letter from Manufacturer's / authorized distributors to participate in this tender. b) Manufacturer's manufacturing license / Distributor appointment letter to do the business in Kerala State. 3. Item wise Technical compliance sheet to match the technical specification prescribed in this tender at SECTION IV
4	Quality Certifications	Should have necessary valid Quality/System Certifications like ISO, CE, FDA etc) as applicable – to match technical specifications/ requirements item wise as in the tender.
5	Good financial capability necessary to perform the Contract	1) Annual Turnover Statement preceding last 3 years (Certified by the Chartered accountant). The turnover should be Rs. 20 Lakhs in any one of the last 3 financial years. 2) Profit & Loss Account for preceding last 3 years (Certified by the Chartered accountant) 3) Balance sheet for the past preceding last 3 years (Certified by the Chartered accountant)

2. (a) LAST DATE AND TIME FOR RECEIPT OF BIDS IS 21.01.2019 AT 14.00 HRS

(b) TIME AND DATE OF OPENING OF BIDS IS 21.01.2019 AT 15.00 HRS

B. THE BIDDING DOCUMENTS

3. Contents of Bidding Documents

- 3.1 The goods required, bidding procedures and contract terms are prescribed in the Bidding documents.
- 3.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

S. Clarification of Bidding Documents

- 4.1 A prospective Bidder requiring any clarification of the Bidding Documents may notify the Purchaser in writing at the Purchaser's mailing address indicated in the Invitation for Bids. The Purchaser will respond in writing to any request for clarification of the Bidding Documents which it receives not later than 3 days prior to the deadline for submission of bids prescribed by the Purchaser. Written copies of the Purchaser's response (including an explanation of the query but without identifying the source of enquiry) will be sent to all prospective Bidders who have received the bidding documents.

S. Amendment of Bidding Documents

- 5.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by an amendment.

C. PREPARATION OF BIDS

6. Language of Bid

- 6.1 The Bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in the English language. Supporting documents and printed literature furnished by the Bidder may be written in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the English translation shall govern

7. Documents Comprising the Bid

Following documents and forms are to be comprised

- a) Tender Fee: DD for Rs. **525.00** (inclusive of tax) drawn in favour of HLL Lifecare Limited payable at Thiruvananthapuram is to be attached towards tender fee.
- b) EMD / Bid Security for **Rs. 14,000/-** in form of DD, drawn in favor of HLL Lifecare Limited, payable at Thiruvananthapuram. The EMD / Bid Security shall be refunded to the non-responsive bidders within 60 days from the date of opening of Bid. The Tender received without EMD will be rejected.
- c) The technical specifications enclosed along with the bid document shall be confirmed by signature of the bidder/authorized signatory of the bidding firm, in all pages and authorized by official seal. The information shall be filled, wherever necessary as per the instructions given.
- d) Duly attested copies of factory license/Industrial/licenses, GST registration, and documents to prove the legal status, place of registration and principal place of business of the undertaking
- e) Duly attested copies of quality certificates for the products, quality system certifications as specified in technical specification. Item wise **Product catalogue/Detailed printed literature to prove the technical specification along with COMPLIANCE SHEET confirming to technical specification (SECTION IV) should be attached with offer.**
- f) Copy of Balance sheet for the last 3 financial years, duly certified by a chartered accountant
- g) Proforma for equipment and tenderer details, duly filled as per section II
- h) Performance statement in the proforma under section III
- i) Documentary evidence established in accordance with ITB Clause 1 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
- j) Documentary evidence that the goods and ancillary services to be supplied by the Bidder shall conform to the Bidding Documents.
- k) Duly filled Check list as per section X
- l) Duly filled Bid Form and **price schedule in separate sealed envelop**

8. Bid Prices

- 8.1 The Bidder shall indicate in the Price Schedule, the Unit Prices and Total Prices of the equipments it proposes to supply under the Contract.
- 8.2 Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - (i) The price of the goods, quoted ex-factory/ex-show-room/ex-warehouse, or off-the-shelf, or delivered, as applicable, including GST and other taxes already paid or

payable:

- (a) On components and raw material used in the manufacture or assembly of the goods quoted ex-factory; or
 - (b) On the previously imported goods of foreign origin quoted ex-showroom, ex-warehouse or off-the-shelf.
- (ii) charges for inland transportation, insurance and other local costs incidental to delivery of the goods to the final destination;
- 8.3 The Bidders separation of the price components in accordance with ITB Clause 8.2 above will be solely for the purpose of facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser's right to contract on any of the terms offered.
- 8.4 Fixed price: Price escalation not entertained during the pendency of contract..
- 8.5 **The Price schedule shall be kept in separate sealed envelopes.**
- 8.6 **The bidder should quote for all the items indicated in the Price Schedule SECTION VIII. In case the tenderer is not quoting for all the items, then their bid will be treated as non responsive.**

9. Bid Currencies

- 9.1 Prices shall be quoted in Indian Rupees.

10. Period of Validity of Bids

- 10.1 Price Bid shall be valid **for 180 days from the date of opening of Price Bid**
- 10.2 In exceptional circumstances, the Purchaser may solicit the bidders consent to an extension of the period of validity. The request and the responses thereto shall be made in writing.

11. Format and Signing of Bid

- 11.1 The bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person(s) duly authorized to bind the Bidder to the Contract. The letter of authorization shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, except for unamended printed literature, shall be initialed by the person(s) signing the bid.
- 11.2 **Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person or persons signing the bid.**

D. SUBMISSION OF BIDS

12. Sealing and Marking of bids

Separate bids shall be submitted for price bid and technical bids.

- 12.1 The bidders shall seal **Technical bid** and **Price bid** in separate covers duly marking on the envelopes as **“TECHNICAL BID” – cover “A”** and **“PRICE BID” – cover “B”**. The Bidders shall then place both the envelopes (cover “A” & cover “B”) in an outer envelope. The name of the product for which the bid is made must be marked on both the inner envelopes and the outer envelope.
- 12.2 The inner and outer envelopes shall be addressed to the Purchaser at the following address:

The General Manager (Materials)
HLL Lifecare Limited, Akkulam Factory, Sreekaryam P.O. ,
Thiruvananthapuram -17 Phone 0471 2445930 / 2445935
Email : hcdcmo@lifecarehll.com

- (a) The outer & inner envelope shall bear the tender number super scribed with ” **Supply of Blood Screening & processing Equipments to THQH, Mannarkadu**” and also **“DO NOT OPEN BEFORE 15.00 Hrs. ON 21.01.2019”**.
- (b) The inner envelope shall also indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared “late/disqualified”.
- (c) If the inner and outer envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the bid’s misplacement or premature opening.
- (d) Bids must be received by the Purchaser at the address specified not later than the date and time specified in the Invitation For Bid. In the event of the specified date for the submission of bids, being declared a holiday for the Purchaser, the bids will be received up to the appointed time on the next working day.
- (e) The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in which case all rights and obligations of the Purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

13. LATE BIDS

- 13.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser, will be rejected and returned unopened to the bidder.

14. MODIFICATION AND WITHDRAWAL OF BIDS

- 14.1 The bidder may modify or withdraw its bid after the bid submission, provided that written notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of bids.
- 14.2 The bidder's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of ITB Clause 12. A withdrawal notice may also be sent by e-mail, but followed by a signed confirmation copy, post-marked not later than the deadline for submission of bids.
- 14.3 No bid may be modified subsequent to the deadline for submission of bids.
- 14.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder in the Bid Document.

E. BID OPENING AND EVALUATION

15. Opening of Bids by Purchaser

- 15.1 The Purchaser will open all technical bids (Cover A), in the presence of bidder's representatives who choose to attend, at 15.00 Hrs on 21.01.2019 at the following location:

**HLL Lifecare Limited,
Akkulam Factory,
Sreekaryam P.O. ,
Thiruvananthapuram -17
Phone 0471 2445930 / 2445935 Email : hcdcmo@lifecarehll.com**

- 15.2 In the event of the specified date of bid opening being declared a holiday for the Purchaser, the bids shall be opened at the appointed time and location on the next working day.
- 15.3 **The "Price Bid" (Cover B) will be opened after evaluation of "Technical bids"**
The date and time of price bid opening will be intimated to bidders whose bids are qualified.
- 15.5 The purchaser will scrutinize the technical bid for compliance to the specifications and documentation requirement as per the bid document. Purchaser may depute its competent officers to the premises of the bidder qualified on the basis of technical scrutiny, for on-site evaluation of the claims made in the technical bid, if deemed appropriate on purchaser's sole discretion. The price bid of the bidders who are disqualified at the technical scrutiny and on-site evaluation will be returned un-opened.

16. CLARIFICATION OF BIDS

- 16.1 During evaluation of bids, the Purchaser may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

17. PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

- 17.1 The Purchaser reserves the right to accept or reject any or all bid(s), and to annul the bidding process at any time prior to award of Contract.

18. PRELIMINARY EXAMINATION

- 18.1 The Purchaser will examine the bids to determine whether they are complete.
- 18.2 Arithmetical errors in the price bid will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the bidder does not accept the correction of the errors, its bid will be rejected.
- 18.3 A bid which is not substantially responsive will be rejected by the Purchaser and may not subsequently be made responsive by correction of the non-conformity by the bidder.

19. EVALUATION AND COMPARISON OF BIDS

- 19.1 The purchaser's evaluation of a bid will take into account the bid price including all costs as well as duties and taxes paid or payable and price of incidental services, if any, and to the extent of technical specifications, including following aspects;
- i. cost of transportation, insurance and other costs incidental to the delivery and installation of goods at the designated delivery destination and handing over the same to the Purchaser, in Kerala State.

20. CONTACTING THE PURCHASER

- 20.1 If the bidder wishes to bring additional information to the notice of the purchaser, during the process of tenderers, it should do so in writing.

21. INSPECTION AND TESTS

- 21.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract at no extra cost of the Purchaser. The Purchaser shall notify the Supplier in writing of such inspection/test in detail.
- 21.2 The inspections and test may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Goods final destination. The Supplier or its subcontractor(s) shall provide all reasonable facilities and assistance for such

tests/inspections, at no charge to the Purchaser.

- 21.3 In case any Goods fail to conform to the specifications in test/inspection, the Supplier shall either replace such Goods or make all alternations necessary to meet specification requirements free of cost to the Purchaser.

F. AWARD OF CONTRACT

22. AWARD CRITERIA

- 22.1 The contract will be awarded to the successful bidder whose bid has been determined to be substantially responsive and as the lowest price offered by the bidder.

23. PERFORMANCE SECURITY

- 23.1. On award of contract, within thirty (30) days from date of the issue of LOI/PO, the supplier shall furnish Performance Security for an amount equal to 10 % of the total value of the contract, valid up to 60 days after the date of completion of 1 year warranty period, i.e. initially valid for a total period of minimum 14 months.
- 23.2 The Performance security shall be denominated in Indian Rupees, and it shall be in either by Account Payee Demand Draft drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form in favour of Purchaser
- 23.3 In case of the successful tenderer fail to furnish the required Performance Security within the time schedule mentioned in clause 23.1 above, the EMD will be forfeited and the award will be cancelled.

24. PURCHASER'S RIGHT TO VARY QUANTITIES AT TIME OF AWARD

- 24.1 The Purchaser reserves the right to increase or decrease the quantity of goods and services originally specified in the bid document without any change in unit price or other terms and conditions within the bid validity period.
- 24.2 The quantities mentioned herein are present requirement and in case more or less quantity is required, the suppliers should be prepared to effect supply at short notice on the same terms and conditions.

25 PACKING, FORWARDING AND DELIVERY

- 25.1 The packing, forwarding and delivery of items in the tender shall entirely be at the scope and responsibility and cost of the tenderer.

26 DELIVERY AND DOCUMENTS

- 26.1 Details of Quantity and Destination of the items to be delivered are given in

SECTION V to this tender. Delivery, in line with LOI/PO, shall be made along with necessary documents like warranty certificate, equipment manual, test certificate and also other documents, as applicable.

27. DELAYS IN DELIVERY OF GOODS

- 27.1 The Goods shall be delivered by the Supplier within 15 days from the date of placing the Letter of Indent/Purchase Order.
- 27.2 A delay in delivery of items/obligations shall render to the imposition of penalty on the supplier in line with this tender or LOI/PO to be released, unless an extension of time is got approved from the purchaser.
- 27.3 In case of the Supplier fails to deliver any or all of the Goods/Services within the time period(s) specified in the Letter of Indent /Purchase Order, the purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, the penalty, a sum equivalent to the percentage specified in the purchase order/tender.

28. WARRANTY

- 28.1 This warranty shall remain valid for One **year from the** date of delivery, installation and handing over the items to the Purchaser at the respective destinations.
- 28.2 Any major repair during the warranty period shall be rectified by the Supplier within 3 days of intimation. Failing which the Purchaser has the right to levy penalty on the Supplier per day or part thereof, until the equipments are repaired and commissioned to the satisfaction of the Purchaser.

29. Comprehensive Annual Maintenance Contract (CAMC)

- a. The CAMC shall be quoted by the bidder as prescribed in the Section X. The CAMC period shall be for 5 years after completion of 1 year Warranty Period. The applicable taxes shall be indicated separately. The CAMC rates without indication of taxes will be considered as all inclusive.
- b. On placing CAMC order, the supplier shall furnish a performance security for 5% of the CAMC value per annum in the form of Demand Draft or Bank Guarantee in the prescribed form, from any Scheduled bank in India, within 7 days on receipt of CAMC order. The performance security shall be renewed every year till the completion of CAMC period.
- c. **2 preventive maintenance** shall be carried out by the contractor in a year, i.e each in every 6 months. The minimum gap between any two preventive maintenance shall be 150 to 180 days.
- d. The firm shall also attend any number of breakdown calls as and when required in the CAMC period, not later than 8 hours of call and all major repairs shall be rectified within 3 days from the date of intimation.

- e. The periodical preventive maintenance and breakdown calls including replacement of defective spares shall be attended by the tenderer at free of cost to maintain the 95% uptime guarantee.
- f. In the event of the downtime exceeding the prescribed maximum period, the warranty period will be accordingly extended and the effective date of commencement CAMC will be shifted accordingly.
- g. The bidder should ensure availability of spares for the period of at least 6 years from the date of installation of equipment.

30 PAYMENT TERMS

Payment Terms

- 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 certified by the Hospital Authorities/HLL 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.

30.2 Payment for CAMC:

The payment of CAMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the respective Hospital authorities.

31. PATENT RIGHTS

- 31.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof.

32. INCIDENTAL SERVICES

- 32.1 The supplier may be required to provide any or all of the following services, including additional services, if any, as specified.
 - (a) Supervision of the on-site assembly and/or start-up of the supplied goods.
 - (b) Furnishing of tools and detailed manual of operations and maintenance.
 - I Training of the Purchaser's Personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods.

33. CONTRACT AMENDMENTS

- 33.1 No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

34. ASSIGNMENT

- 34.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the Purchaser's prior written consent.

35. LIQUIDATED DAMAGES

- 35.1 If the Supplier fails to deliver the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, deduct liquidated damages from the Contract Price, a sum equivalent to the percentage of price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage as specified below.
- 35.2 **Liquidated Damage** : Penalty shall be at the rate of 0.5% per week subject to a maximum of 7.5% of the total contract value for the delay beyond the agreed period. Once the maximum is reached, the Purchaser may consider termination of the Contract at cost of supplier.

36. TERMINATION BY DEFAULT

- 36.1 In case the Supplier fails to deliver any or all of the goods within the period specified in the LOI/PO or extension thereof or the Supplier fails to perform any other obligation(s) under the contract, the Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the Contract in whole or part;
- 36.2 In the event the such termination, in whole or in part, the Purchaser may procure the Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods/Services.

37 FORCE MAJEURE

- 37.1 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 not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 37.2 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

38. RESOLUTION OF DISPUTES

- 38.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 38.2 In case the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute within 30 days, the dispute may be referred for resolution to the formal mechanisms. These mechanisms may include, but are not limited to, conciliation mediated by a third Party, adjudication in an agreed national forum, and national arbitration.
- 38.3 The jurisdiction of any disputes, suits and proceedings arising out of this tender shall be only in the court of Thiruvananthapuram.

General Manager (Materials)

SECTION II

PROFORMA FOR DETAILS OF EQUIPMENT AND TENDERER

DATE OF OPENING :

NAME OF THE BIDDER :

1. Name & Full address of the BIDDER:

.....

.....

1	PAN No		
2	ECC Code :		
3	IEC if applicable :		
4	GST No		
5	Any other details		
6	Phone No.	Office No	
		Mobile No.	
7	Email Id :		

3. Location of the manufacturing factory/show room :

4. Whether Goods are tested to any standard specification: YES / NO

If "YES", copies of specifications & original test certificates should be submitted.

PLACE:
DATE:

NAME AND SIGNATURE OF THE TENDERER
(WITH OFFICE SEAL)

SECTION III

PROFORMA FOR PERFORMANCE STATEMENT

(for a period of last 3 years)

Order Received from (Name & Address of Purchaser)	Description Of ordered item	Quantity	Whether attached performance certificate received from the purchaser along with the tender

PLACE:

DATE:

**NAME AND SIGNATURE OF THE TENDERER
(WITH OFFICE SEAL)**

SECTION IV

TECHNICAL SPECIFICATION

1. AUTOMATIC MICRO PLATE WASHER

- Should have capability to wash flat, U or V bottomed micro plates or 8 or 12 well strip plates.
 - It should be able to wash all types of micro plate wells and provide automatic plate calibrator, should work with vacuum pressure and buffer volume.
 - Easy windows operation system, large LCD display
 - Should have 8 or 12 way manifold.
 - Should have 25 wash program memory or more.
 - Should have programmable washing time, volume and soaking time
 - Should have minimum 6 wash cycles.
 - Should have continuous operating cycle.
 - Should have residual volume less than 5µl.
 - Should have removable and autoclavable plate carrier.
 - Should have in-built vacuum and dispensing pumps to ensure accurate and quite washing.
 - Should have waste bottle with full bottle alarm or sufficient mechanism to avoid spillage and damage to equipment.
 - Should have solution based wash buffer intake.
 - Should work with input 200 to 240Vac 50 Hz supply.
 - Should be supplied with online pure sine wave UPS of sufficient capacity with minimum 30 minutes back up time and dust cover for both machines.
- Should have safety certificate from a competent authority CE / FDA (US).
- If required suitable PC with OS should be supplied.
 - Supplied with all standard accessories.
 - User manual with trouble shooting guidance, in English.
 - Installation and Training at end-user site.

2. ELISA READER WITH (COMPUTER & PRINTER)

- Should have automatic control detection and analysis.
- It should do accurate absorbance for entire volume
- Fast detection and high sensitivity
- Automatic calibration before reading
- Should have 96 wells and should have reading capability of 1 to 96 wells individually.
- Should have a linear measurement range of 0 to 3.000 Abs.
- Should have wavelength range from 400 to 750nm.
- Should have a photometric accuracy of $\pm 3\%$ or better.
- Should have a resolution of 0.001 Abs.
- Should have variable speed plate shaking capability.
- Should have easy access 8 position filter wheel
- Machine should be supplied with 4 standard filters.
- Should have automatic filter selection.
- Should have automatic calibration before each reading.
- Should have at least 6 second reading speed.
- Should have facility for storage of calibration curves.
- Capable of doing multi standard tests and controls.
- Should have different types of blanking facility like air wise and well wise.
- Should be capable of reading U, V and flat type wells
- Should be capable of reading 8 or 12 well strip plates.
- Should use halogen light source and two spare bulbs should be provided.
- Should have internal thermal printer and 5 rolls of thermal should be supplied along with the unit.
- Should have external printer connectivity option.
- Should work with input 200 to 240Vac 50 Hz supply.
- Should have safety certificate from a competent authority CE / FDA (US)
- **Computer:** Supplier/bidder should supply the standard and suitable PC along with the

equipment. Minimum PC requirement includes windows 7 Pro/Ultimate, Intel Core i5 or higher processor, 4 GB DDR3 RAM, 500 GB Hard Disk, DVD-RW Drive, multimedia Keyboard, Optical Mouse, and LED Monitor – 20” with Laser Printer.

- Device is produced by ISO, CE or equivalent certified manufacturer.
- Supplied with all standard accessories.
- User manual with trouble shooting guidance, in English.
- Installation and Training at end-user site.

3. BINOCULAR MICROSCOPE

- Body: Should be inter-changeable identified binocular body 360° rotatable head.
- Eye pieces should be high quality 10x wide angle anti fungus field eye piece
- Objectives: Par focal anti fungus coated 4x 10x 40 and 100x (full immersion) with plan automatic correction.
- Optical system should be achromatic objectives.
- Stage: Horizontal mechanical stages preferable 140, 440mm with fine vernier graduations.
- Design with convenient coaxial adjustment for slide manipulation preferably.
- Through 30x70mm.
- Sub stage: Abbe condenser focusable continuously variable iris diaphragm.
- Illuminator with illumination.
- Finish: A durable textured acid resistant finished.
- Device is produced by ISO certified manufacturer.
- Device is safety certified according CE or equivalent.
- User manual with trouble shooting guidance, in English.
- Installation and Training at end-user site.

4. MICROPIPETTE (FIXED VOLUME)

- It should show the readings in digital, and have ejector and clear digital read out.
- Available Volume ranges should be fixed:
- 0.2 – 2 µl
 - 0.5 – 5 µl

- 1 – 10 μ l
- 2 – 20 μ l
- 5 – 50 μ l
- 10 – 100 μ l
- 20 – 200 μ l
- 100 – 1000 μ l
- 500 – 5000 μ l
- 1000 – 10000 μ l
- Should have 4 digits volume display.
- Should be a fully autoclavable type.
- Control button shall be operated by very low operating force.
- Ejector shall be operated by very low operating force.
- Should be resistant to UV light.
- Pipette should be IVD certified.
- Each pipette should have individually tested and supplied with a calibration certificate of quality, at the time of installation.
- The slender, ribbed hand grip fits comfortably in either right or left hand.
- Light weight and ergonomic design for user comfort.
- Should have precise setting with color code for easy identify.
- Product should have CE mark.

5. MICROPIPETTE (VARIABLE VOLUME)

- It should show the readings in digital, and have ejector and clear digital read out.

Available Volume Ranges:

- 0.2 – 2 μ l
- 0.5 – 5 μ l
- 1 – 10 μ l
- 2 – 20 μ l
- 5 – 50 μ l

- 10 – 100 μ l
- 20 – 200 μ l
- 100 – 1000 μ l
- 500 – 5000 μ l
- 1000 – 10000 μ l
- Should have 4 digits volume display.
- Should be a fully autoclavable type.
- Control button shall be operated by very low operating force.
- Ejector shall be operated by very low operating force.
- Should be resistant to UV light.
- Pipette should be IVD certified.
- Should have volume ranges of 0.2 – 2 μ l / 0.5 – 5 μ l / 1– 10 μ l / 2-20 μ l / 5-50 μ l / 10-100 μ l / 20- 200 μ l / 100-1000 μ l / 500-5000 μ l / 1000-10000 μ l.
- Each pipette should have individually tested and supplied with a calibration certificate of quality, at the time of installation.
- The slender, ribbed hand grip fits comfortably in either right or left hand.
- Light weight and ergonomic design for user comfort.
- Should have precise setting with color code for easy identify.
- Product should have CE mark.

6. VDRL SHAKER

- Should have duty motors for suitable capacities are provided for long time
- Continuous operation, with fixed speed and variable speed.
- Its platform should provide with lotus type clamps or rubber discs to hold flasks.
- Should have RPM range – up to 250 RPM, electronic control, 0-60 min timer.
- It should work 115/240 V~ -50/60 Hz,
- Device is produced by ISO certified manufacturer.

7. RH/SLIDE VIEWING BOX

- Microscope slides box should be horizontal type for full visibility.

- It will be robust construction & portable.
- Extruded aluminum case, sturdy and easy to clean.
- Should have built in temperature indicator along with knob for temperature adjustment.
- Soft, glare free light of uniform illumination for blood typing and cross matching.
- Viewing area temperature ranges 40 to 50°C RH should reach temperature 37 to 39 °C within 2 mins.
- Viewing area dimension should be 24x7.5 cm, along with over all dimensions 33x10x10 cm.
- Should provide with 3 wire cord and plug for 120v, 50/60Hz, 30W.
- It should be sturdy handy slide box has a capacity of 50 slide
- The standard 3" x 1" or 75 x 25mm slides.
- Numbered index in lid with a soft cork layer and light sensitive specimens.

8. GEL TECHNOLOGY FOR BLOOD GROUPING & CROSS MATCHING

A. SPECIFICATION OF GEL CARD CENTRIFUGE

- Should be open System, accommodating all type of available gel cards
- Should have capacity to accommodate 6/8/10/12 ID cards with 6 or 8 micro wells
- The Centrifuge Head should be removable and interchangeable for different card capacities
- Centrifuge Head should have facility to replace the Card Holders
- Should have adjustable speed range from 800 to 1200 ± 5 RPM to run as per the specified speed of the centrifuge for different gel cards
- Centrifugation time Should be adjustable from 05 to 25 minutes for different type of cards
- Centrifuge should be micro processor controlled
- Should have 16 X 2, Jumbo LCD Display
- Speed of the centrifuge and time should be clearly displayed on the LCD screen
- Should give audible alarms at the end of centrifugation
- Should indicate on display if Door is Open and the centrifuge should have the feature of Safety cut-off of motor when door is open
- Should run on electronically controlled Brush Less Direct Current (BLDC) motor, having

inbuilt drive and built-in hall-effect sensor and should have built-in torque limiting capability

- The BLDC motor should have inbuilt temperature sensor for auto cut-off when motor temperature increases
- Should have large see through door to view the process.
- Should have minimal noise levels while running
- Should be easy to carry and portable
- Should have Tact switch key pad
- Operation of the equipment should be user friendly
- Should have CE certification

B. SPECIFICATION OF GEL CARD INCUBATOR

- Should have Load capacity of holding up to 12 Cards and 10 Sample Test Tubes
- Should be capable of adjusting the temperature between 30 °C to 40 °C
- Should be capable of adjusting the incubation time from 5 to 25 minutes
- Warm up time should be approximately 15 minutes and should indicate once the set chamber temperature is reached
- Should have accuracy of ± 1 °C
- Should give alarm to indicate end of incubation temperature
- Should display chamber temperature at all times of incubation and count down time in seconds
- Should have solid Aluminum block for incubation for maintaining even temperature in the chamber
- Should have Tact switch key pad
- Operation of the equipment should be user friendly
- Should have See through Door to view the process
- Should be micro processor controlled based strip heater 250 W / 230 V
- Should come with Safety cut-off of heater when temperature increases above the set temperature.
- Should have CE certification

- Power input should be 220 – 240V / 50 Hz AC, Single phase fitted with appropriate Indian plug
- Installation & training should be given at site
- Calibration certificate of the equipment from company or onsite
- User manual with trouble shooting guidance.
- Initially above machines should be supplied with all the consumable listed below for 5 cases.
- 5 x AHG Coated Coombs Gel Cards for (Cross matching and Antibody Screening (1 Card = 8 Tests)
- 5 x Forward Grouping Gel Cards for (determining Blood Group – Forward only (1 Card = 2 Tests)
- 5 x Low Ionic Strength Solution (LISS) (for cell preparation for IH tests (1 Box = 2x100ml Bottles)

9. DIGITAL HEMOGLOBINOMETER WITH DISPOSABLE CUVETTE

- Hemoglobinometer should be able to measure the Hb using blood from finger prick (Should be based on Azide methohemoglobin method)
- Should be indispensable bench top.
- It should give accurate quick detection of blood Hb.
- It should have auto adjustment or calibration is not needed, and ensures to provide results within 45 seconds or more.
- Should be capable of displaying results within 45 second.
- Should have the accuracy $\pm 1\%$.
- Disposable cuvettes, Cost of consumables to be quoted along with this tender as it will be considered for financial comparison.
- Should be portable and should have battery backup for 8 hours or more with provision of electric operations.
- Factory calibrated and calibration should be verified automatically time when the instruments is turned on.
- Should have the memory to store at least 500 results with date and time and should be able to transfer the results to PC.

- Should be made in India, BIS approved or US FDA or European CE class-2A
- Should be ISO 13485 approved product.
- Original literature of equipment should be submitted. Should be able to do turbidity correction by using double wave length method.
- User list should be attached with satisfactory report for the last three years from three users with contact details.
- Demonstration of performance of equipment is compulsory in nearby area failing to which will be disqualification.
- Electrical: The equipment should be able to run on the existing electrical provisional and mobile application through rechargeable batteries.
- Specification for the consumable for Hemoglobinometer.
- System should be calibrated against the reference ICSH, Method.
- Should be able to use venous. Arterial or capillary blood.
- Price of the consumable should be quoted.
- Machine should have one year manufacture warranty and five years AMC not included in quotation.
- Installation and training at end-user site.
- Device is produced by ISO certified manufacturer.
- Device is safety certified according CE or equivalent.

10. PLATELET INCUBATOR (125 Ltrs)

- Construction Material:
 - (a) Internal: SS-304/Galvanized steel with bacteria-resistant powder coating.
 - (b) External: SS-304 /Corrosion resistant coating at least 1 mm thickness.
 - (c) Door should be of transparent material and should have one hand operation with locking facility.
- Capacity of Incubator: 125 Liters to place agitator having capacity of 48 bags respectively.
- Temperature range: 22 °C.
- Display: LCD / LED Display for set and actual temperature.

- Control System: Micro controller based temperature indicator cum controller with Digital Display and PT 100 sensor (+ 0.5 °C accuracy) Auto Rechargeable Battery back-up for temperature display, chart recorder and alarm during power failure.(Even if UPS battery fails Temperature display controller and chart recorder should work on direct supply).
- Refrigeration System: Hermetically Sealed CFC Free Compressor with Eco Friendly refrigerant.
- Temperature chart recorder: Seven days inkless chart recorder with battery backup for continuous operation during power failure.
- Air Circulation: Motor and blower arrangement to have uniformity of condition under chamber loaded condition.
- Insulation: Minimum 3" Thick CFC free PUF insulation.
- Lighting: Interior illumination for working area.
- Alarm: Adjustable audiovisual high/low alarm facility for temperature deviations from set value.
- Observation Door: Inside see through unbreakable acrylic door.
- Observation Door: Inside see through unbreakable acrylic door.
- Other: Castor Wheels, MCB. Provision for Platelet Agitator, Heavy duty latch with lock & key.
- Power: Works on 230 V AC single Phase 50 Hz with 2 meter cable.
- Device is produced by ISO certified manufacturer.
- Device is safety certified according CE or equivalent.
- 50Nos of Graphic charts should be supplied with machine.

11. PLATELET AGITATOR (24 Platelet Bags)

- Should be able to agitate and store minimum of 24 Platelet bags.
- Gentle side to side motion (1.5" or 38 mm) with 65 +/- 5 strokes per minute.
- Removable drawers for storage of any size blood bags.
- Sturdy one piece drawers made of SS with holes for complete air circulation across both surfaces of platelet bags.
- Heavy duty ball bearing gear motor for noiseless and continuous operation.

- Built in audiovisual motion alarm.
 - Should have pause button.
 - The unit shall be capable of being stored and operating continuously in ambient temperature of 0 – 50 °C and relative humidity of 15-90 %.
 - Power input to be 220-240 VAC, 50 Hz fitted with Indian plug.
 - Preferably FDA/CE/BIS approved product.
- Manufacturer should have ISO certification for quality standards

12. PLASMA EXPRESSOR AUTOMATIC (ELECTRICAL)

- Should be compatible with all multiple blood bags
- Should automatically clamp and seal the blood bag tube
- Microprocessor controlled through regulator with mechanism to reduce layer disturbance.
- Alarm on completion of plasma separation.
- Automatic & manual clamp modes.
- Electronic sensor to ensure strong & accurate clamping.
- Leak free clamping to ensure plasma separation without red cell contamination.
- The unit shall be capable of operating continuously in ambient temperature of 10°C - 40°C and relative humidity of 15 - 90 %
- Power input should be 220 - 240V / 50 Hz AC Single phase fitted with appropriate Indian plugs
- Product should be preferably FDA/CE/BIS approved
- Manufacturer should have ISO certification for quality standards.

SECTION V

Delivery Destinations

Sl. No.	Name of the Hospital	District
1	Taluk Head Quarters Hospital, Mannarkadu	Palakkad

SECTION VI

**HLL LIFECARE LIMITED
Akkulam Factory
THIRUVANANTHAPURAM-695017**

INDEMINITY CLAUSE

If the supplier fails to execute the order within the time prescribed for the delivery of goods ordered or violates or infringes the existing rates as agreed to as mentioned in the supply order, the supplier shall and will indemnify the company against all losses or damages whatsoever to be incurred or sustained including the legal cost or expenses incurred by the company by reason of non-delivery of goods at agreed quantity and rate within the time specified in the supply order. The company will initiate legal action if the supplier fails to execute the supply order as per the schedule in the supply order for the actual loss suffered. No quantity tolerance will be permitted in this regard unless otherwise prior approval is taken by the company before dispatching any excess quantity supplied which shall be returned back on freight to pay basis at the risk of the supplier. Responsiveness of the Bid shall be at the discretion of HLL.

The supplier shall have no right to change the quantity stipulated in the supply order.

Bid pronounced Non Responsive by HLL shall be summarily rejected.

The decision of HLL will be final and no correspondence on this shall be entertained.

We have read and understood the above conditions and agree to abide by the same.

**PLACE:
DATE:**

**NAME AND SIGNATURE OF THE TENDERER
(WITH OFFICE SEAL)**

**SECTION VII
HLL LIFECARE LIMITED
Akkulam Factory
THIRUVANANTHAPURAM-695017**

DECLARATION

I/WE, The Bidder undertake, we shall execute, within the purview of the contract, all the activities includes; transportation, loading, unloading and other technical work for the installation of the equipment/items at the designated site as per the contract/purchase order, at Kerala State.

We confirm having read and understood all the specifications, instructions, forms, terms and conditions and other requirements of the above tender (both expressed and implied) in full and that we agree to abide by all without any deviation.

SEAL OF THE TENDERER

SIGNATURE

NAME AND ADDRESS OF TENDERER

PRICE SCHEDULE (SECTION VIII)

S. No.	Item Description	Qty	Brand/ Model	Ex-factory/show room price (Basic Unit Price)	Freight & Insurance		GST		Unit Price inclusive of all levies & charges (ColumnNo. E+f+g) in Rs	Total Price (c x h)
					FOR HLL sites at Kerala state					
					%	Amt.	%	Amt.		
a	b	c	d	e		f		g	h	i
1	Automatic Micro Plate Washer	1								
2	ELISA Reader with Computer Laser Printer	1								
3	Binocular Microscope	1								
4	Micropipettes (Fixed)	3								
5	Micropipettes (Variable Volume)	3								
6	VDRL Shaker	1								
7	RH/Slide Viewing Box	1								
8	Gel Card Centrifuge with Incubator for cross matching	1								
9	Digital Haemoglobin meter with disposable cuvettes	1								
10	Platelet Incubator 125 Ltrs	1								
11	Agitator 24 bags	1								
12	Plasma Expresser cum Extractor Electrical Automatic	1								
	Total									

Total amount in words: _____

Delivery schedule : strictly within 15 days from the date of release of LOI/PO

NOTE: 1) The columns may be filled as is applicable in each case.

2) **Product catalogue along WITH COMPLIANCE SHEET confirming to technical specification should be attached with offer.**

3) **List of optional accessories/ spares with rate, to be attached to price bid as separate sheet**

4) **The bidder has to quote for all the items indicated above, failing which, the bid will be treated as non-responsive**

Seal and Signature of the bidder

CAMC Price Schedule (SECTION IX)

1	2	3	4				
SI No.	BRIEF DESCRIPTION OF GOODS	Qty. (Nos.)	Comprehensive Maintenance Contract price for Each Unit year wise*.				
			1 st year	2 nd year	3 rd year	4 th year	5 th year
			a	b	c	d	e
1	Automatic Micro Plate Washer	1					
2	ELISA Reader with Computer Laser Printer	1					
3	Binocular Microscope	1					
4	Gel Card Centrifuge with Incubator for cross matching	1					
5	Platelet Incubator 125 Ltrs	1					
6	Agitator 24 bags	1					
7	Plasma Expresser cum Extractor Electrical Automatic	1					
	GST:_____						
	Total Rs:						

Taxes:_____

Scope of Contract: Number of Visits during the CAMC period: (a) Preventive maintenance visit: 2/year. (b) Break down maintenance visit: any number as required. “CAMC” Comprehensive maintenance Contract includes; 1 labors, spare and preventive & break down maintenance.

Note: The applicable taxes should be indicated separately with percentage and amount.

The bids received without indication of service tax will be treated as inclusive.

The above rates are applicable for 5 years, after successful completion of 1 year warranty period from date of installation,.

Seal and Signature of the bidder

SECTION X

CHECK LIST

Sl. No.	Documents	Page No.	Remarks
1	Tender Fee in the form of DD drawn in favor of HLL Lifecare Limited, Payable at Thiruvananthapuram		
2	EMD in the form of DD drawn in favor of HLL Lifecare Limited, Payable at Thiruvananthapuram / Bank Guarantee		
3	Duly attested copy of factory license/ Industrial license		
4	Duly attested copy of GST registration certificate		
5	Duly attested copy of document to prove the legal status, place of registration and principal place of business of the undertaking		
6	Duly attested copies of quality certificates for the products and quality system certifications		
7	Copy of Balance sheet for the last 3 financial years, duly certified by a chartered accountant		
8	Copy of Profit & Loss Account for last 3 financial years certified by chartered accountant		
9	Duly filled proforma showing details of Equipment and Quality Control employed by the manufacturer as per section II		
9	Proforma for Performance Statement (for a period of last years) as per Section III		
10	Client's Certificate as per Section III		
11	Product brochure literature, write up etc.		
12	Item-by-item compliance statement on the Purchaser's Technical Specifications with statement of deviations and exceptions, if any, to the provisions of the Technical Specifications as per SECTION IV		
13	The letter of authorization indicated by written power-of-attorney		
14	Spare parts and after sales service facilities in India		
15	Documentary evidence of constitution of firm such as Memorandum of Articles, Partnership Deed, etc., with details of Name, Address, Tel. No., Fax No., E-mail Address of firm and the Managing Director / Partner / Proprietor		
16	Annual turnover statement for last 3 years certified by the Auditor		
17	Indemnity clause as per SECTION VI		
18	Declaration as per SECTION VII		