

## LIMITED TENDER ENQUIRY

**Tender Enquiry No.: HLL/PCD/ESIC-08/09-10/LTE**

**Date: 07/10/2009**

Procurement & Consultancy Services Division of HLL Lifecare Limited , for and on behalf of Director General of Employee State Insurance Corporation (ESIC) invites sealed tenders, from eligible and qualified tenderers for supply, installation and commissioning of Medical equipment. Eligible bidders are requested to submit their best offer along with complete technical details & commercial Terms & Conditions for '**LIST OF REQUIREMENTS**' as per Annexure-I and technical specification given in **Annexure-II**.

**The following points may be kept in mind while quoting:**

- 1.0** The Manufacturer or their Authorised agents or Dealers can participate in the tender. If agents quote on behalf of Manufacturer, the bidder shall submit Manufacture's Authorisation in the **form enclosed as Annexure - III**.
- 2.0** The bidder should have supplied and installed in the last five years from the date of tender opening at least 100% of the quoted quantity of the similar equipment meeting major specification parameters which is functioning satisfactorily. The bidder shall provide their past major supplies year wises. The copies of Supply orders for supply of similar along with end users certificate for satisfactory performance shall be enclosed. These should be placed in Envelope1..
- 3.0 PRICES:**
  - Prices quoted should be '**Firm & final**' at the destination for ESIC, MGM Hospital, Parel, Mumbai, **as per Price Schedule given in Annexure-IV**.
  - Excise duty, Sales Tax, other levies, if applicable, should be indicated clearly with their present rates.
  - Octroi /Entry tax or any other levies, if applicable, shall be paid extra if not exempted by the local body even on production of exemption certificate obtained by the supplier from purchaser/consignee. However, the same shall be reimbursed to the supplier on production of such proof of payment along with the final bill.
- 4.0 Comprehensive Annual Maintenance Contract (CMC)**
  - a) **The cost of Comprehensive Maintenance Contract (CMC) as per Annexure - V** which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period **may be quoted for next 5 years on yearly basis** for complete equipment. The price quoted shall remain firm and fixed during the CMC period.

- b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The service taxes to be paid extra, if any, 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.
- c) Cost of CMC will be added for Ranking/Evaluation purpose.
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.
- g) The bank guarantee valid for a period beyond two months of expiry of entire CMC period for an amount equivalent to 2.5 % of the cost of equipment shall be furnished in the prescribed format **as per Annexure - VI**, within a period of 21 days of issue of order for CMC. The performance security submitted against the order for the main equipment shall be forfeited, if security deposit for CMC is not furnished within the above said period.
- h) Failure of the above [4. d) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.

**5.0 PRICE REASONABILITY CERTIFICATE:**

A certificate indicating that the rates quoted are not more than as charged to other Govt./PSU's for similar supplies made in recent past should accompany the bid in support of its price reasonability in **Envelope 2**. Copies of the supply orders received may also be enclosed with the bid.

**6.0 INSPECTION:**

The purchaser reserves the right for inspection and testing the quality & standards of the stores for assessment of quality before dispatch to the consignees or at the consignee end wherever required.

**7.0 DELIVERY PERIOD FOR SUPPLY, INSTALLATION & COMMISSIONING:**

In the event of placement of Supply order, the bidder shall supply the stores within 60 days of order and install and commission within 15 days of the receipt of stores at site.

**8.0 LIQUIDATED DAMAGES:**

In the event of placement of an order, if the Supplier fails to deliver, install and commission the stores in full or part thereof within the delivery period as stipulated in Clause 7.0 above, the Purchaser reserves the right to levy Liquidated damages @ ½% (half percent) per week of the amount of the undelivered stores for delay in supplies subject to maximum of 10% value of the supply Order. Once the maximum is reached, the purchaser may consider termination of the contract and purchase the same from elsewhere, at the risk and cost of the Supplier.

**9.0 PAYMENT:**

**9.1 PAYMENT FOR SUPPLY PORTION:**

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

**(A) On delivery:**

90 % payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

- (i) Three copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Consignee Receipt Certificate in original issued by the authorized representative of the consignee;
- (iii) Warranty Certificate.
- (iv) Inspection Certificate.

**(B) On Acceptance:**

Balance 10 % payment would be made against 'Final Acceptance Certificate' to be issued by the consignee accompanied by installation and commissioning certificate wherever applicable, subject to recoveries, if any.

**9.2 Payment for Comprehensive Maintenance Contract Charges:**

The consignee will enter into CMC with the supplier at the rates as stipulated in the contract, three months prior to the completion of warranty period. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee.

**9.3 Payment Procedure:**

- i) 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.
- ii) The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to the purchaser.
- iii) 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.

**10.0 TRANSIT INSURANCE:**

Rates quoted being door delivery basis, the Supplier shall be fully responsible till full material is received in good condition at consignee's site. As such the Supplier shall despatch the material duly insured (for 110% value of goods) & expenses on this account shall be borne by the Supplier.

**11.0 EARNEST MONEY DEPOSIT (EMD):**

- Tenderer shall furnish along with its tender, earnest money for an amount as shown in the '**LIST OF REQUIREMENTS**' as per **Annexure-I**.
- The earnest money shall be furnished in one of the following forms:

- i) **Account Payee Demand Draft**
- ii) **Banker's cheque**

- The demand draft or banker's cheque shall be drawn on any scheduled Commercial bank in India, in favour of "**HLL Lifecare Limited**", payable at **New Delhi**".
- **Quotations received without requisite EMD shall be rejected out rightly.**
- EMD of unsuccessful tenderers will be returned to them without any interest not later than thirty days after finalization of the resultant contract. EMD of successful tenderers will be returned without any interest, after receipt of performance security from that tenderer.

#### **12.0 REPEAT ORDER:**

Repeat order up to 50% of the quantity of the Supply Order can be placed by the purchaser within 6 months after the completion of original order on the same rate & terms and conditions of original Supply Order.

#### **13.0 PRODUCT SPECIFICATIONS:**

Brand name and type of Product being offered by the Firm must be clearly mentioned in the offer. Tenderer should confirm that the stores offered conform strictly to relevant specifications. Deviations, if any, are to be clearly mentioned. Complete product specifications, technical details, illustrations, literature, printed pamphlets/leaflets etc and Manufacturers price list, if any, must accompany the quotation in **Envelope 1**. Leaflets, pamphlets, etc. shall be taken for information purpose only and shall not form the part of the contract.

#### **14.0 WARRANTY:**

- 14.1 Products to be offered as per '**LIST OF REQUIREMENTS**' shall be warranted for a period of **TWO YEARS** from the date of installation.
- 14.2 The Supplier shall be responsible to replace the material free of cost at site in whole or in part if found defective in any respect after receipt at site or during normal & proper usage or storage/maintenance for which the Purchaser shall give prompt written notice. Such replacements shall be effected by the Supplier within a reasonable time actually required to do so which in no case shall be more than 15 days.
- 14.3 The above provisions shall also equally apply to the material replaced by the Supplier under this Clause, in case the same is again found to be defective after its replacement.
- 14.4 If the Supplier fails to act with requisite promptness and thereby entails avoidable loss to the purchaser/consignee, it shall be liable to suitable action as deemed fit during the operative Warranty period.

### **15.0 PERFORMANCE SECURITY FOR SUPPLY PORTION:**

The supplier, shall furnish performance security to the purchaser for an amount equal to **ten percent (10%)** of the total value of the contract, within **twenty one (21) days** from date of the issue of Supply order by the purchaser valid up to two (2) months beyond the period of warranty in the given Proforma. Performance security shall be in the form of Account Payee Demand Draft/Fixed Deposit Receipt or Bank Guarantee in favour of '**The Director General/Head of Hospital/Institute of ESIC**' in the format to be provided along with the order.

### **16.0 FORCE MAJEURE:**

If at any time, during the currency of the contract, the performance in whole or in part by either party or any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enmity, civil commotion, sabotages, fires, floods, explosions, epidemics, quarantines, restrictions, strikes, lock outs or acts of God (herein after referred to as 'the events') then provided, neither party has any claim for damage against the other in respect of such non-performance or delays in performance, deliveries under the contract shall be resumed as soon as possible if any of the events have ceased to exist . If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.

### **17.0 Resolution of disputes**

17.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee 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.

17.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. Such dispute or difference shall be referred to the sole arbitration of an officer, appointed to be the arbitrator by the Director General of ESIC. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One Lac (Rs. 1,00,000/-)

17.3. Venue of Arbitration: The venue of arbitration shall be Noida/New Delhi, India.

**18.0** Unless specifically mentioned to the contrary in their offer itself, it will be assumed that all terms and conditions mentioned in this enquiry are acceptable to the tenderer.

**19.0** The tender quotation of the Supplier not in conformity with the above conditions is liable to be rejected.

**20.0** HLL reserves the right to reject or accept any or all tender(s) without assigning any reason or to place the order for part or full quantity.

## 21.0 INSTRUCTION TO BIDDERS:

- A) All quotation/s and subsequent **Correspondence** should be sent to the address given below:

**Head (P&CD),  
HLL Lifecare Ltd.  
Procurement & Consultancy Services Division  
B-12, Sector-59, Noida-201 301  
Phone: 0120-4324572; Fax: 0120-4324573**

- B) **SEALED QUOTATIONS SHALL BE SUBMITTED IN TWO BID (ENVELOPE) SYSTEM ONLY:**

The 1<sup>st</sup> envelope superscribed with **“Techno-Commercial Bid, Signed copy of Tender Document and EMD”** shall contain EMD and relevant documents mentioned herein.

The 2<sup>nd</sup> envelope superscribed with **“Price bid & Item Sl. No. with Name”** shall contain the ‘Price schedules (i.e. Annexure-IV & Annexure-V duly filled)’.

Both envelopes may be placed in separate 3<sup>rd</sup> envelope superscribed with **“Tender No. & Date of Opening”**.

Tender/s received in any other mode or without requisite EMD shall be summarily rejected.

- C) **Quotation should reach this office on or before 30.10.2009 upto 14.00pm.** Technical bids shall be opened on the same day at 14.30pm, in presence of the representatives of firm(s) who may choose to be present. Price bids of techno-commercial responsive bidders shall be opened later on with intimation to techno-commercial responsive bidders.
- D) If quotation-opening day happens to be holiday, the next working day will be treated as tender opening day.
- E) Late tender/telegraphic tenders & tenders over email/fax shall not be considered and no claim, whatsoever will be accepted by the Corporation.
- F) **VALIDITY:**  
The Rates should be valid for **60 days** from the date of opening of Techno-Commercial Bid.
- G) The tenderers should sign & stamp each page of this quotation as a token of having read & understood the terms & conditions contained herein.

For and on behalf of **HLL Lifecare Limited**

**Head (P&CD)**

**ANNEXURE-1**

**LIST OF REQUIREMENTS**

**Part I:**

<b>Sl. No.</b>	<b>Name of Equipment</b>	<b>Quantity</b>	<b>EMD Amount</b>
1	Donor Chairs	2	24,000.00
2	Blood Storage Refrigerator	2	8,000.00
3	Blood Collection Monitor	2	3,000.00
4	Autoclave	1	1,500.00
5	Tube Sealer	1	1,200.00
6	Automatic Elisa Analyzer	1	10,000.00
7	Mobile Refrigeration Box	1	3,000.00

**Part II: Required Delivery Schedule:**

Delivery shall be within **60 days** from date of Notification of Award. The date of delivery will be the date on which the goods are delivered to the consignee's site (Tenderers may quote earliest delivery period).

**Part III: Scope of Incidental Services:**

Installation & Commissioning, Supervision, Demonstration, Trial run, Training for operation and trouble shooting to the technicians /operators of the Consignee.

**Part IV:**

Comprehensive Maintenance Contract (CMC) as per details in General points in Para 4.

**Part V:**

The supplier shall keep sufficient stock of spares for supplies to be made within 15 days after receipt of order(s) from purchaser/consignee.

**Part VI:**

**Required Terms of Delivery and Destination.**

Delivery required at Consignee Site.

Insurance covering 110% value of goods (including local transportation and storage) would be borne by the Supplier from supply point/place to the consignee site for a period including 3 months beyond date of delivery

Destination of Goods (Address of Consignee):

The Medical Superintendent  
Mahatma Gandhi Memorial Hospital  
Dr. S. S. Rao Road  
Parel, Mumbai - 400 012

**ANNEXURE-II**

**TECHNICAL SPECIFICATIONS**

**Item Sl. No: 1**

**Donor Chairs**

**1. Description of Function**

Blood Donor Couch is a completely automatic enveloping, variable tilt chair and specially designed to make blood withdrawals easier, safe and functional, and also for other diagnostic and therapeutic areas

**2. Operational Requirements**

- 1) Provides a comfortable position for the donor.
- 2) Variable positioning for either arm with Comfortably wide armrests.
- 3) Armrests have swinging out as well as up and down moving facility.
- 4) Reclining and upright body positions with a smooth shifting to any position.
- 5) Both sides have supporting brackets.
- 6) Drawers provided for the upkeep of equipment & consumables.
- 7) If a vasovagal attack occurs the Donor's head needs to be lowered immediately and his legs lifted above his heart level so that blood can flow back to the brain and other vital organs. This facility should be available

**3. Technical Specifications**

- 3.1 Comfortable chair type with soft padding for cushioning and rexin cover.
- 3.2 Seat, back rest and leg rest size designed for donor comfort. It should have step less electric remote controlled height adjustment.
- 3.3 Adjustable arm rest for donor's comfort and phlebotomist friendly
- 3.4 Easily tilted to head low position, electrically operated
- 3.5 Comfortable working level for the operator. Lifting capacity - Approx 200 kg.
- 3.6 4 Lockable castors for easy mobility
- 3.7 Storage Drawers for storing consumables & Blood Collection Monitors
- 3.8 UP/DOWN control
- 3.9 OPTIONS:
  - (i). A paper roll holder can be fixed on the' upper part of the chair.
  - (ii). Melodious musical Headphone can be integrated for patient relaxation while blood donation is in progress.
  - (iii). Preferable to have inbuilt trays & stands for keeping all blood collection accessories.
- 3.10 Should have interface for blood collection monitor (optional)

**4. System Configuration Accessories, spares and consumables**

- 4.1 Donor Couch -01
- 4.2 Dust Cover -01
- 4.3 Power cable -01



- 4.4 Arm Rests (pair) -01 pair
- 4.5 Remote control -01

#### **5. Environmental factors**

- 5.1 The unit shall be capable of operating continuously in ambient temperature of 10 – 40<sup>0</sup> C and relative humidity of 15-90%
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 - 40 C and relative humidity of 15-90%
- 5.3 Shall meet IEC-60601-1-2: 2001 (Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

#### **6. Power Supply**

- 6.1 Power input: 220-240V/ 50 Hz AC Single phase or 380-400V AC 50 Hz Three phase fitted with appropriate Indian plugs and sockets.
- 6.2 Resettable over current breaker shall be fitted for protection
- 6.3 Suitable Servo controlled Stabilizer/CVT

#### **7. Standards and Safety**

- 7.1 Should be FDA or CE approved product
- 7.2 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450
- 7.3 Manufacturer should have ISO certification for quality standards.
- 7.4 All electrical actuators and mechanisms should be housed inside the structure making the product safer
- 7.5 Comprehensive warranty for 2 years and 5 years AMC after warranty

#### **8. Documentation**

- 8.1 User manual in English
- 8.2 Service manual in English
- 8.3 List of important spare parts and accessories with their part number and costing.
- 8.4 Certificate of Calibration and inspection from the factory
- 8.5 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
- 8.6 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
- 8.7 Original Information Brochure should be provided.

### **Item Sl. No: 2**

### **Blood Storage Refrigerator**

### **BLOOD BANK REFRIGRATOR**

- 1. Blood Bank Refrigerator should have a capacity to hold 344 blood bags of 450 ml each
- 2. Should maintain internal temp at 4 degree C & the uniformity of this temperature should be maintained throughout the chamber with the max average temperature variation of +/- 1 deg C between different chambers

- 3 Blood Bank Refrigerator should have integrated temperature monitoring system with microprocessor controls
- 4 The inbuilt data management system ensures temperature recording & storage of data for upto 1000 records & transfer of data through LAN to a PC
- 5 The blood bank refrigerator should have a large LCD which displays:-
  - Temperature
  - High & Low alarm points with date & time
  - Previous 24 hour temperature in graphical form
  - Data of power failure/resumption in last 24 hours with date & time
- 6 The blood bank refrigerator should also have an inbuilt circular chart recorder for 7 days recording of temperature on circular chart paper.
- 7 The internal automatic temperature alarm system should work if a temperature falls below 2 deg C & exceeds beyond 6 deg C
- 8 The internal temperature alarm system should also have a battery back up of minimum 3-4 hours
- 9 Inner Chamber of Blood Bank Refrigerator should be made from high quality AISI-304 stainless steel & outside CR sheet with minimum thickness of 1mm
- 10 Blood Bank Refrigerator should have see through outer glass door & inner door of acrylic sheet to ensure ease of operations, better maintenance of internal temperature etc
- 11 Blood Bank Refrigerator should confirm to noise level of less than 85 db (A) as per IEC 61010

**Guidelines:**

Blood Bank Refrigerator should have in built servo controlled voltage stabilizer of proper rating  
Power supply 230 volts, single phase 50 Hz  
Internal cabinet lighting to be provided with lamp illumination whenever door opens.  
Roll out steel trays for proper storage of blood bags.  
The Blood Bank Refrigerator should have CE mark & should have ISO 13485-2003 & WHO-GMP compliant certifications

**Item Sl. No: 3**

**Blood Collection Monitor**

Blood Collection Monitor is a compact instrument to provide smooth and gentle rocking for homogeneous mixing with anticoagulant without clot formation of blood cells during collection of blood from a donor.

**Should have following Features :**

- Provision to set Volume from 1 ml - 600 ml; in 1 ml. increment.
- Provision of pausing collection and change.
- Micro-controller based program, which can be programmed during “pause”.
- Display of weight and volume.
- Should have Auto tare facility.
- Should have Motor activated clamping at the end of the collection.
- Should have Audio - Visual alarms.
- Should have Auto Calibration.

- Should have Time totaliser.

### Technical Specification

Readability	1 ml / 1 g.
Calibration	Auto
Display	Bright LED / LCD
Alarms	Audio- Visual
Input Voltage	90-270V AC (SMPS).
Battery Backup	4 to 5Hrs.

### Item Sl. No: 4

#### Autoclave

#### Vertical Jacketed AUTOCLAVE

#### **1 Description of Function**

- 1.1 Autoclaves are required for sterilizing an object in high temperature and high-pressure steam.

#### **2 OPERATIONAL REQUIREMENTS**

- 2.1 Microprocessor based electrically heated vertical steam sterilizer

#### **3 Technical Specifications**

- 3.1 Pressure range 5- 40psi, adjustable  
3.2 Pressure control switch with Digital display of Pressure and Temperature  
3.3 Outer and inner chamber made of thick stainless steel  
3.4 Inner chamber made of at least 18 SWG SS sheet  
3.5 Inner chamber size 550-650X350-450X350-450mm  
3.6 Stainless steel Steam jacket insulated with high grade glass wool  
3.7 Water level indicator with automatic low water level cut off device  
3.8 Joint less gasket  
3.9 Water inlet and drain valves  
3.10 With standard safety features  
3.11 Additional accessories – (to be quoted separately)  
Gaskets -2 Nos.  
Heating Coil - 2 Nos.  
Stainless Steel Perforated Drums – 4 Nos.  
Stainless Steel Trays – 2 Nos.

#### **4 System Configuration Accessories, spares and consumables**

- 4.1 As specified

#### **5 Environmental factors**

- 5.1 Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
- 5.3 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80%.

## **6 Power Supply**

- 6.1 Power input to be 220-240VAC, 50Hz/440V 3 Phase as appropriate fitted with Indian plug
- 6.2 Resettable over current breaker shall be fitted for protection

## **7 Standards and Safety**

- 7.1 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450
- 7.2 Should be FDA or CE or ISI approved product
- 7.3 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.

## **8 Documentation**

- 8.1 User manual in English
- 8.2 Service manual in English
- 8.3 Certificate of calibration and inspection from factory.
- 8.4 List of important spare parts and accessories with their part number and costing.
- 8.5 List of Equipments available for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.
- 8.6 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
- 8.7 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue.

### **Item Sl. No: 5**

#### **Tube Sealer**

### **DIELECTRIC TUBE SEALER Bench Top Model**

#### **1 Description of Function**

- 1.1 Blood Bag Tube Sealer is a compact equipment to seal the Blood Bag pilot tube by radio frequency sealing system

#### **2 Operational Requirements**

- 2.1 The system should be heavy duty and be able to seal the blood bag etc quickly and effectively.
- 2.2 Should be simple to handle
- 2.3 System should gently seal the tubing with no hemolysis.

#### **3 Technical Specifications**

- 3.1 Should be a heavy duty tube-sealer capable of sealing tubes of various manufacturers of blood bag.

- 3.2 Should be for bench-top use.
- 3.3 The sealing time should be adjustable between 0.5-5 seconds
- 3.4 Sealing triggering should be automatic
- 3.5 Should also have extended portable hand unit. Sealing hand should be with coaxial cable of 1.5 - 2.0 meter.
- 3.6 Should have indication lamps (LED or any other) for “Sealing Process” on handle as well as main unit.
- 3.7 No warm-up time should be required.
- 3.8 Should ensure easy separation of tube segments after the sealing.
- 3.9 System should run on both mains and battery (more than 10 hrs. back up and charger).
- 3.10 Should be lightweight not more than 6 Kg.
- 3.11 Detection of wet tube, leakage & sealing defect. Alarm in case of seal not complete.

#### **4 System Configuration Accessories, spares and consumables**

- 4.1 Tube Sealer with Accessories - 01

#### **6 Power Supply**

- 6.1 Power input :220-240V/ 50 Hz AC fitted with appropriate Indian plugs and sockets.
- 6.3 Suitable Autovoltage corrector with spike protector should be available.

#### **7 Documentation**

- 7.1 User manual in English
- 7.2 Service manual in English
- 7.3 List of important spares and accessories with their part number and costing.

### **Item Sl. No: 6**

#### **Automatic Elisa Analyzer**

#### **EQUIPMENT SPECIFICATIONS FOR HIGH END ELISA READER WITH WASHER**

##### **1 Description of Function**

- 1.1 ELISA Reader is required to Read the Colour Density known as OD (Optical Density) in ELISA (Enzyme Linked Immuno-Sorbent Assay.)Plates.

##### **2 Operational Requirements**

- 2.1 ELISA Reader with Washer is required.

##### **3 Technical Specifications**

###### **3.1 OPTICAL SYSTEM**

Digital light control

8 measurement channels including 1 reference.

Single and dual wavelength measurement with facility for kinetic measurement

8 s maximum measurement time for single and dual wavelength and 5 s(+/\_1Sec.) for kinetic

Measurement Range 400-700nm

Indication Range 0-2.999 abs

Accuracy Plus/Minus 2% or Plus/Minus 0.005 abs

Resolution 0.001 abs

Inbuilt Filters: Narrow band interference

Should have the following filters – 405, 450, 492(+/\_2nm), 540, 620 (+/-10nm) and 690 nm

Should measure end point, curves and kinetic.

### 3.2 SOFTWARE:

Storage of immediately preceding measurement At least 15 user programmable tests permanently stored Time programmable between each measurement. Agitation programmable before each reading Bi-directional printer interface.

Data memory not less than 300 plates/curves

Built in Windows based software programming software.

### 3.3 MEASUREMENT MODES

Plate shaking mode for sample mixing (selectable speed and time)

Flexible blank mode setting

Matrix Modes: Matrix -/x/t, Matrix-/0-0 (Range )

Matrix-/f/(Floating cut off)

Difference Mode: Absorbance of each well in even numbered subtracted from those of odd numbered columns

Curve fit Modes: LIN/LIN.LIN/LOG.LOG/LOG or auto curve transformation with ability to add the standard curve; 8 to 12 way string orientation or kinetic modes

Table of optical densities, Delta DD, Graphic, Reaction rate/V-Max

3.4 Adjustable for different micro plate geometrics

3.5 Halogen Lamp 20 - 40 W.

3.6 16 digit alphanumeric fluorescent display

3.7 Membrane keyboard.

### 3.8 Technical Specifications for washer

3.8.1 Auto strip washer for 96 well plates / strips

3.8.2 1 x 8 strips/ 1x12 strips.

3.8.3 Dispensable wash volume 50 - 300 µl.

3.8.4 Residual wash Volume -<0.5µl

3.8.5 Aerosol Shield for user safety.

3.8.6 In built shaking facility

### 4 System Configuration Accessories, spares and consumables

4.1 System as specified above.

4.2 Halogen Lamps: 2

4.3 Printer inbuilt or external to be supplied along with 10 Rolls/Z Fold

4.4 Dust cover.

4.5 8-12 channel manifold, all tubing sets, wash, rinse and waste bottles

4.6 Maintenance kit to be provided.

### 5 Environmental factors

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%

5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%

**6 Power Supply**

- 6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
- 6.2 Resettable over current breaker shall be fitted for protection
- 6.3 Suitable voltage corrector/stabilizer
- 6.4 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

**7 Standards and Safety**

- 7.1 Comprehensive training for lab staff and support services till familiarity with the system.
- 7.2 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.
- 7.3 Should be FDA or CE or ISI approved product

**8 Documentation**

- 8.1 User/Technical/Maintenance manuals to be supplied
- 8.2 Certificate of calibration and inspection from factory.
- 8.3 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
- 8.4 List of important spare parts and accessories with their part number and costing.
- 8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out

**Item Sl. No: 7**

**Mobile Refrigeration Box**

- Should have capacity to hold 100 blood bags of 450 ml each.
- Should have a temperature hold over time of at least 8 hrs. (when not electrically powered)
- Should be sturdy.
- Should have handles so that it is easy to carry.
- The open-able lid (cover) should be lockable and should have sturdy hinges.
- Should be portable / mobile (less in weight)
- Should be able to maintain temperature of 2 to 8 degree Centigrade for safe blood back storage.
- Should be able to operate on 230 V AC.
- Battery back up of at least 4 hrs.

**ANNEXURE-III**

**MANUFACTURER'S AUTHORISATION FORM**

To,

Head (P & CD)  
HLL Lifecare Limited  
Procurement and Consultancy Division  
B-12, Sector -59, Noida -201301, Uttar Pradesh

Dear Sir,

Ref. Your TE document No \_\_\_\_\_, dated \_\_\_\_\_

We, \_\_\_\_\_ who are proven and reputable manufacturers 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, CMC 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 manufacturers]

- Note: 1. This letter of authorisation should be on the letterhead of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.  
2. Original letter may be sent.



**ANNEXURE-IV**

**PRICE SCHEDULE FOR EQUIPMENT**

1	2	3	4						5	
			Price per unit (Rs.)							
Item Sl. No.	Brief Description of Goods	Quantity (Nos.)	Ex - factory/ Ex-warehouse / Ex-showroom / Off-the-shelf/ (incl. packing charges)	Excise, Duty, Cess (if any) [%age & value]	Sales Tax/ VAT/ CENVAT (if any) [%age & value]	Transportation & loading/unloading charges	Insurance charges till consignee's site	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site	Unit Price for Delivery at Consignee Site	Total Price for Delivery at Consignee Site (Rs.)
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	3 x 4 (g)
									=a+b+c+d+e+f	

Total Tender price in Rs.: \_\_\_\_\_

In words: \_\_\_\_\_

**Note: - If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.**

Signature of Tenderer \_\_\_\_\_

Name \_\_\_\_\_

Business Address \_\_\_\_\_

Seal of the Tenderer \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_

**ANNEXURE-V**

**PRICE SCHEDULE FOR COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD**

1 Item Sl. No.	2 Brief Description of the Goods	3 Quantity (Nos.)	4 Comprehensive Maintenance Contract Cost for Each Unit year wise*.					5 Total Comprehensive Maintenance Contract Cost for 5 (or as specified) Years [3 x (4a+4b+4c+4d+4e)]
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
			a	b	c	d	e	

\* After completion of Warranty period

**NOTE:-**

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual and labour, after satisfactory completion of Warranty period may be quoted for next 5 (or as specified) years on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC 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. Cost of CMC will be added for Ranking/Evaluation purpose.
5. The payment of CMC will be made as per clause 9.2.
6. The uptime warranty will be 98 % 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 CMC period.
8. The supplier shall keep sufficient stock of spares required during Comprehensive 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 \_\_\_\_\_

Signature of Tenderer \_\_\_\_\_

Seal of the Tenderer \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_

**ANNEXURE – VI**

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY**

To  
Head of Hospital/Institute/Medical College of ESIC

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 30 (thirty) 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