

# **TENDER DOCUMENT**

**SUPPLY, INSTALLATION AND COMMISSIONING OF  
VARIOUS LAB EQUIPMENTS & IT HARDWARE ITEMS  
FOR SETTING UP OF  
DIAGNOSTIC LAB FACILITIES**

**AT  
VARIOUS HOSPITALS IN ASSAM**

**PROJECTS DIVISION,  
HLL LIFECARE LTD,  
CORPORATE HEAD OFFICE, POOJAPPURA,  
THIRUVANANTHAPURAM – 695 012,  
KERALA, INDIA  
PHN: +91 471 2354949**

**FEBRUARY 2017**

**HLL LIFECARE LIMITED**  
(A Government of India Enterprise)  
Projects Division  
Corporate Head Office, Poojappura.P.O,  
Thiruvananthapuram – 695012,  
Kerala, India  
Phn: 0471- 2354949

**INVITATION FOR BIDS (IFB)**

**IFB No : HLL/CHO/PROJ/HCS/ASSAM-02/2017**

**Date : 09-02-2017**

HLL Lifecare Limited (HLL), a Government of India Enterprise is in the process of setting up its Diagnostic Lab facilities at various Hospitals in Assam. For the said project, sealed and super scribed bids are invited from eligible, competent and experienced manufacturers/authorized dealers/suppliers for the supply of Lab equipments and IT Hardware items given below:

Sl. No	Brief Description of Item/Work	Quantity	EMD in Rs.
I	Supply, Installation and Commissioning of various Lab equipments and IT Hardware items as per the tender specifications enclosed (Schedule II) for setting up its Diagnostic Lab facilities at various Hospitals in Assam.		
<b>A</b>	<b>LAB EQUIPMENTS</b>		
1	Binocular microscope	80	50000
2	Vertical Autoclave	1	1000
3	Hot air oven	40	12000
4	Lab centrifuge ( 24X15ML)	40	28000
5	Lab centrifuge ( 12X15ML)	40	16000
6	PH meter	5	5000
7	Water bath	40	16000
8	Incubator	5	2000
9	Biosafety Cabinet	1	1500
10	Refrigerator with Freezer	40	25000
11	VISI coolers( Refrigerators)	80	65000
12	VDRL shaker	40	12000
13	Sample Tube Rotator	40	5000
14	Needle Destroyer	150	10000
15	Deep Freezer	1	2000
16	Automated Culture System	1	36000
17	Vein Viewing Machine	150	30000
18	Phlebotomy Chair	40	20000

<b>B</b>	<b>IT HARDWARE EQUIPMENTS</b>		
1	Desktop PC	160	160000
2	Major Server	40	50000
3	Laser Jet Printer	160	30000
4	Scanner	40	2000
5	Network Switch - 16 Port	40	12000

2. The bid documents will be available up to 15.00 Hrs. on the previous working day of the opening of the bids. The scheduled date for issue, receipt and opening of bids is as follows. The scheduled date for issue, receipt and opening of bids is as follows.

- a) Date of issue of tender document - 09-02-2017
- b) Last date and time for receipt of bids - 28-02-2017 up to 15.00 Hrs.
- c) Date and time of opening of bids - 28-02-2017, 15.30 Hrs.
- d) Address for communication, receipt and place of opening of bids:

**ASSOCIATE VICE PRESIDENT (PROJECTS),**

Projects Division,

HLL Lifecare Limited (A Government of India Enterprise)

Suite No. 901, 9<sup>th</sup> Floor, Krishna Building, 224-A,

AJC Bose Road, Kolkata – 700017

Phn: 033 - 22905275

E-mail: sreekumar@lifecarehll.com, harikrishnankp@lifecarehll.com

- 3. The completed and sealed bid documents should be submitted to Associate Vice President (Projects), in the above address along with the EMD. The outer cover should bear the Enquiry No, closing date and General description of item tendered, and the words “DO NOT OPEN BEFORE” 15.30 Hrs (IST) on ----- (Indicate the Closing Date). EMD shall be submitted in the form of demand draft drawn from a nationalized bank in favor of HLL Lifecare Limited payable at Thiruvananthapuram. Bids received after due date and time will be rejected. Any bid not accompanied by EMD will be rejected.
- 4. Bids will be opened in the presence of Bidders representative(s) who choose to attend on the specified date and time, at the office of HLL at the address given in Clause 2 (d) above
- 5. In the event of the date specified for bid receipt and opening being declared as a closed holiday for the above purchaser’s office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
- 6. HLL may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons, in which case all rights and obligations of HLL and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- 7. HLL will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids sent by Telex/Fax/Telegraph will not be accepted.

8. The EMD should be enclosed in a separate envelope and super scribed as “EMD” and to be attached in the main cover. SSI units interested in availing exemption from payment of EMD should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC
9. The Bid must include the following information;
  - a. Enquiry No.
  - b. EMD
  - c. Promised Delivery/Completion Schedule
  - d. Price Schedule in Format For Quoting (Schedule V)
  - e. All other documents/certificate/information as specified in the bid document.
10. In addition to the invitation for bids, the bidding documents include the following schedules.
 

Schedule II	-	Specifications
Schedule III	-	Conditions of Contract
Schedule IV	-	Acceptance Form
Schedule V	-	Format for Quoting
Schedule VI-A & B	-	Format for Quoting AMC/CAMC rates
Schedule VII	-	Delivery Locations & Distribution Schedule.
11. Bidders that have been blacklisted by HLL Lifecare Ltd. or any of its subsidiaries or any other State / Central Government organizations / PSU's shall not be entertained.
12. Bidder shall be an Original Equipment Manufacturer or an authorized dealer of the quoted item. Relevant Certificate shall be attached with the Bid.
- 13. The bidder can quote for any one or more of the items listed in Schedule V. The lowest quoted eligible bidder for each item shall be considered for supply/award of work for that item.**
14. HLL reserves the right to club or split the items, change the qualifying criteria at their discretion and to reject or cancel the Invitation for bids without assigning any reason thereof.

**ASSOCIATE VICE PRESIDENT (PROJECTS)**

**SCHEDULE II**  
**SPECIFICATIONS**

**Sub: Supply, Installation, Testing and Commissioning of following Lab equipments & IT Hardware items with all accessories as per the tender specifications enclosed**

**1) Binocular Microscope**

Quantity: 80 Nos.

SI No.	Specifications	
1	Type	Binocular compound microscope
2	Optical system	Infinity Corrected system
3	Power required	Vendor to specify : to be compatible to standard Indian power sockets
4	Light Source	White LED
5	Objectives	4x, 10x, 40x (spring loaded), 100x (spring loaded, oil), antifungal, Uniformly centered.
6	Body	Aluminium Die-cast body with all critical movements based on ball bearing and wire guides.
7	Stand	Single mold sturdy stand with anti-rust materials. Ergonomic base for hand rest and greater stability.
8	Focusing	Coaxial coarse and fine focus on ball drive system for smooth operation
9	Nosepiece	<ul style="list-style-type: none"> <li>• Reverse angle, quadruple inward nosepiece (Ball bearing type) with click stops and rubber grip.</li> <li>• Nose piece should rotate 360°.</li> <li>• Binocular head should be inclined at 30°, with 360° rotatable and shall have diopter.</li> <li>• Should have interpupillary and dioptic adjustment.</li> </ul>
10	Condenser	Abbe condenser NA 1.25. Iris diaphragm with blue daylight filter. Rack and pinion movements on metal guides.
11	Recommended Make	OLYMPUS / MAGNUS / LABOMED / NIKON or Equivalent

**2) Vertical Autoclave**

Quantity: 1 No

SI.No	Specification
1	Should have a double walled construction.
2	Inner chamber should be made up of SS 304 and outer should be M.S, duly powder-coated.
3	Should have joint –less silicone gasket
4	Should have automatic low water protection (cut off with audible alarm)
5	Should have pressure gauges for measuring chamber pressure
6	Should have automatic pressure control switch, with easy pedal lifting device, having pressure gauge, two nos; safety valve, quick release coupling& handle with heater cover stand. Water level arrangement cut off buzzer system and S.S perforated basket

	supplied along with unit on free of cost.
7	Should have 121°C working temperature at 15 to 20 psi pressure
8	Chamber volume should be approximately 55 L and OD size 350X 550 ( dia x height, with a tolerance of 50 mm in both dimension)
9	Should be operated in mains 220-240 V ac 50 Hz input power supply
10	Should supply minimum 2 nos. of bins of suitable size
11	Recommended Makes: ROTEK/NAT STEEL/MEDIQUIP/TEMPO or Equivalent

### 3) Hot Air Oven

Quantity: 40 Nos.

SI.No	Specification
1	Microprocessor based system, Bottom heated with digital temp: controller cum indicator
2	Thermostatically/ PID controlled system.
3	External: GI powder coated Internal: SS304
4	Interior – w x h x d: 350mm x 350mm x 350mm, 50 liters approx. ( all dimensions will have a tolerance of 50 mm) easy-to- clean interior, made of stainless steel, with supports on the three sides for three adjustable perforated stainless steel shelves.
5	Forced air circulation by quiet air turbine/ fan to ensure uniform temperature.
6	Temperature variation +/- 2° C.
7	Temperature Range – ambient to 160° C or more.
8	Stainless steel Trays – 2 Nos. shall be supplied free of cost.
9	Power input to be 220 – 240 VAC, 50Hz appropriate fitted with Indian plug
10	Recommended Makes: BESTON / REMI / ROTEK / MEDICA INSTRUMENT / TEMPO or Equivalent

### 4) Lab Centrifuge ( 24x15 ml)

Quantity: 40 Nos

SI.No	Specification
1	Should have a maximum speed of 6000 RPM or more with stepless regulator
2	Should have Brushless Induction motor with variable frequency drive.
3	Shall have LED display of speed.
4	Should have Digital countdown timer & continuous run
5	Should be supplied with safety lid and lock.
6	Should have digital speedometer and timer.
7	Should have imbalance detector and automatic cutoff with display of error.
8	Dynamic brake for quick deceleration
9	Gas hinge to prevent door falling
10	Standard mark on quality and safety is Compulsory.

11	Should work on 200-240Vac 50Hz power supply.
12	Should supply with angle head ( Rotor)size 24*15ml
13	Recommended Makes: REMI / LABOMED / EPPENDROF or Equivalent

### 5) Lab Centrifuge ( 12 x 15 ml)

Quantity: 40 Nos.

SI.No	Specification
1	Should have a speed of >3500 RPM
2	Should Be Microprocessor based and have Speed control through VFD
3	Should have Brushless Induction motor
4	Shall have LED display
5	With Imbalance detection, Lid inter lock , Emergency Lid opening and Dynamic Break
6	Should work on 200-240Vac 50Hz power supply.
7	Should supply with angle head ( Rotor) size 12*15ml and
8	Recommended Makes: REMI / LABOMED / EPPENDROF or Equivalent

### 6) pH Meter

Quantity: 5 Nos.

SI. No	Specification
1	Should have 3 stage calibrations.
2	Should be Quick, easy electrode diagnosis with multiple pH slopes and offset display.
3	Should calibrate with up to 5 custom pH buffers – use any pH values that are $\geq 1.0$ pH unit apart.
4	Should have Cal-due alarm – no more out – dated calibrations
5	Should have auto-logging function for convenient continuous monitoring
6	Should have password protection for setup and calibration
7	Should have Working range from 0 to 14.
8	Should have resolution 0.1/0.01 pH
9	Should have Temperature range from 0.0 to 100.0 C/32.0 to 212.00F
10	Should have ATC Probe
11	Should have Buffer sets
12	Should have Power Requirements of 100/240 VAC SMPS Power Adapter, 9V,6W
13	Recommended Makes: ELICO / SYSTRONIC / LABTRONIC or Equivalent

## 7) Water Bath.

Quantity:40 Nos.

Sl. No	Specification
1	Shall have Double walled construction, outer made of MS duly powder coated and inner chamber with Top Lid made of SS.
2	Temperature should be controlled at increments of 1°C or less and is controlled from room temperature to 95°C with an accuracy of $\pm 1^\circ\text{C}$
3	Should be rectangular 350X250X125 mm (Tolerance up to 50mm is allowed in all dimensions)& volume should not be less than 11 L
4	The cavity between two chambers should be filled with high quality mineral glass wool.
5	Heating should be provided with immersion type heater
6	Should provide with a microprocessor based variable digital temperature controller with digital display( LED).
7	Shall provide Mercury thermometer to read upto 100°C
8	Certificate of calibration and inspection from factory shall be provided.
9	Recommended Makes: TEMPO / ROTEK / BESTON or Equivalent

## 8) Incubator

Quantity: 5 Nos.

SI No.	Specification	
1	Temperature Range	5 to 60°C
2	Temperature Accuracy	+ / - 1°C
3	Temperature Uniformity	+ / - 1°C
4	Power	220 to 230 Volt
5	Temperature Control	Microprocessor Controlled with LED Display
6	Power Failure Alarm	Optional
7	Cabinet	M.S./ G.I Powder Coated
8	Inner Chamber	304 Stainless Steel
9	Trays	Minimum 2( Stainless Steel)
10	Internal Dimensions	450x450x450 mm (With tolerance of 50 mm in all dimensions), Capacity: 90 Liters (Minimum)
11	Heating System	Side heated
12	Air Flow	Fan/ Blower
13	Display	LED / LCD
14	Recommended Makes	REMI / BESTON / ROTEK / MEDICA INSTRUMENT or Equivalent



## 9) Biological safety Cabinet

Quantity : 1 No.

SI No.	Specification
1	Air flow should be from top to downstream through the inverted HEPA filter placed on the top of the work space.
2	Working table is made with satin finish stainless steel top.
3	The inner cabinet shall be made with marine plywood and outer covering is made with C.R sheet duly powder coated.
4	Front door with transparent acrylic provided with counter weight attachment for sliding operation and keep the door at required level.
5	Sides of the cabinet shall be paneled with poly carbonate transparent sheet.
6	Should have all standard accessories such as U.V. germicidal light, fluorescent light, provided cock for gas / air, prefilter & HEPA filter & inclined pressure manometer.
7	HEPA filter quality compliance to FED: STD: 209 and EN 779.
8	Cleanliness should be of Class 100
9	Efficiency should be 99.9%
10	Particle retention should be 0.3 microns and above.
11	Pre filter quality compliance to IS 7613
12	Recommended Makes: ROTEK / TEMPO / YORCO or Equivalent

## 10) Refrigerator with Freezer

Quantity: 40 Nos.

SI No.	Specifications
1	Standard Refrigerator, Frost Free, Free standing
2	Minimum 250 Litres capacity with Freezer & Digital Temperature display
3	Minimum of 4 adjustable Shelves/Racks
4	Stabilizer free operation on 230V AC Supply
5	Manufacturer Warranty : Min. 5 Years for Compressor, Min.1 year for product
6	Recommended Makes: SAMSUNG / VOLTAS / PANASONIC / WHIRLPOOL / TEMPO/LG/HAIER/GODREJ/HITACHI/BOSCH OR EQUIVALENT

### 11) Refrigerator – VISI Coolers

Quantity: 80 Nos.

SI No.	Specifications
1	Upright Showcase (visible) Coolers/refrigerators with Single Glass Door and Lock
2	350-450 Litres capacity, Temperature range capability 1-10 degree Celsius with Digital Temperature Controller and Display
3	Minimum of 4 adjustable Shelves/Racks
4	Stabilizer free operation on 230V AC Supply
5	Manufacturer Warranty : Min. 5 Years for Compressor, Min.1 year for product
6	Recommended Makes: CELFROST/VOLTAS/BLUE STAR/THERMO FISCHER OR EQUIVALENT

### 12) VDRL Shaker

Quantity: 40 Nos.

SI No.	Specifications
1	The Maximum speed of orbital shaking should be 180 RPM with 15 minute Timer
2	The size of the platform should not be more than 300× 300 mm
3	Should be a table top model
4	Should be suitable for serological, VDRL tests and other tuned clinical diagnostic procedures
5	There should be a warranty of three years from the date of supply, installation of the equipment
6	Adequate training should be given to the staff of Microbiology Division

### 13) Sample Tube Rotator

Qty: 40 Nos.

SI No.	Specifications
1	Tube rotator must have a speed range of 20-400 rpm
2	Tube rotator must have capacity for rotation of 24 1.5ml and 2 ml micro centrifuge tubes
3	Tube rotator must have adaptors for 15 ml and 50 ml centrifuge tubes
4	Tube rotator must come with a electronic timer and speed control for adjusting time and speed
5	Tube rotator must be operable at 4°C, RT and 37°C incubator
6	Power supply 220Volts 50Hz with overload protection.
7	Tube rotator must be European CE certified.

#### 14) Needle Destroyer

Quantity: 150 Nos.

SI No.	Specifications
1	Lightweight, portable and compact
2	Housing should be moulded type, shock proof and made of Stainless Steel / Powder coated
3	Provide a removable discharge tray made for easy disposal of syringe hubs.
4	Provision to burn the needle & to cut the syringe tips.
5	High Carbon Steel Cutter to cut syringes.
6	Heavy Duty Transformer and works on 220-240 Vac/50 Hz electric supply.
7	Power On/Off switch and an indication for power.
8	Properly insulated for the protection from electrical hazard.
9	Recommended Makes: NARANG MEDICAL / SURGITECH/ RAMTEC or Equivalent

#### 15) Vertical Deep Freezer

Quantity: 1 No

SI No.	Specification
1	Minimum Temperature should be -20°C
2	Capacity: 150 Litres minimum
3	Inner Chamber Material Should be of Stainless Steel 304 (AISI Grade, Non Corrosive, Non Magnetic). Should have PUF insulation.
4	Outer Body Material should be Powder Coated CRCA Steel
5	Should have solid state digital indicator-cum controller
6	Power requirement shall be 220-240 Volts, 50 Hz , Single Phase
7	Recommended Makes: REMI / CELFROST / Thermo Fischer / HAIER / TEMPO/BLUE STAR or Equivalent
8	Equipment shall be supplied with suitable voltage Stabilizer, all accessories complete.

#### 16) Automated Culture System

Quantity: 1 No

SI No.	Specification
1	Fully automated modular System capable of culture of blood and body fluids for bacteria, mycobacterium, yeast etc
2	Capacity ≥ 360 bottle positions & modular system (including blood culture & TB culture)
3	Should be a non radiometric assay system.

4	System should have specific algorithms for detection of growing micro organisms and should be capable of continuous monitoring of all samples for growth of micro organisms.
5	Every cell (bottle position) should have its own optics and detection device.
6	System should be capable of analyzing delayed entry specimens along with routine samples in case of blood culture
7	System should be having continuous agitation and incubation facility to provide optimal growth of microorganisms.
8	The bottled media should be capable of neutralizing the effect of antibiotic.
9	The culture bottles should be made of plastic.
10	System should be capable of processing both adult and paediatric samples.
11	The system should be capable of culture for mycobacterium from respiratory, non respiratory & blood specimens.
12	System should have interface for lab information system.
13	The system should be supplemented with automated bacterial identification and antibiotic susceptibility testing system for all types bacteria ( aerobes & anaerobes) yeast etc
14	The system should be totally automated for sample standardization, loading, incubating and reading the results.
15	It should be used for identification and antimicrobial susceptibility of clinically significant bacteria and yeast (ID / AST).
16	Analytical parameters: Identification up to species level, Direct growth based (up to MIC level)
17	Testing base: Should be on disposable sealed bar coded card / panel (ready to use) with pre filled reagents. There should be no need to add any additional reagents after incubation
18	Type of panels: It should have different panels (ID & AST separately) to save cost. Should make use of non-radiometric measurements with no manual intervention
19	Panels for: ID & AST of Gram negative, Gram positive and Yeast.
20	ID panels for Anaerobes, ESBL confirmation, MRSA Confirmation, Neisseria & Haemophilus.
21	Panel capacity: The system should have capacity of processing more than 50 samples at a time.
22	Expert System: The software should have an expert system permitting appropriate intervention for organisms with unusual resistance pattern
23	Sample dispensing: System should not require any manual dispensing of Inoculum to avoid human error, it should be done automatically.
24	Additional reagents: System to be compatible with cost effective test cards to avoid any extra costs of additional reagents.

25	Incubator: On board incubation chamber.
26	Testing time: Ideally be on the same day (between 5 -10 hrs), which reduces time to result.
27	Printer: External printer for direct report print outs.
28	Bar Code: The system should have bar code scanning facility to identify each panel type
29	Software: Should be Windows based, user friendly with touch screen key pad.
30	The data from the system should be automatically transferred to the host computer where data processing can be done and reports can be generated
31	The software should identify and interpret results as per NCCLS guidelines
32	Recommended Makes: BD/Biomerieux or Equivalent

### 17) Vein Viewing Machine

Qty: 150 Nos.

Sl. No.	Specifications
1.	The device should allow visualizing vein through the skin, its bifurcations, valves in real time.
2.	Device should be handheld and light weight and should use harmless light source
3.	Depth of visualization – 10mm
4.	Should be designed to accurate vein width against ultrasound
5.	Should have convenient charging kit
6.	Should be easily wiped clean, bagged for use in isolation, and does not require calibration
7.	Power source- Battery or AC (outlet) and battery life should be minimum 2 hrs run time

## 18) Phlebotomy chair

Qty: 40 Nos.

<b>Sl. No.</b>	<b>Specifications</b>
1.	Phlebotomy chair with Arm Rest Adjustment, Height Adjustment, Lift up for entry of patient and angle adjustment
2.	Trendelenburg position : -10 degree
3.	Electrically operated from chair to trendelenburg position and back
4.	Voltage: 220+/-10%
5.	Head Rest thickness : 4 inches
6.	With adequate seat height: approx 500mm; width: approx 500mm
7.	Back rest length: approx 800mm to 1000mm; seat length:500 to 600mm; Leg Rest Length: approx 500mm
8.	Upholstery Thickness : 2 inches
9.	Arm Rest Dimension : 450 x 150 mm

## B) IT HARDWARE EQUIPMENTS

### 1) DESKTOP PC

Quantity: 160 Nos.

SI No.	Specifications
1	Intel Core i3 - 4th Gen
2	4 GB RAM
3	500GB HDD
4	Windows 10 Professional or above, Licensed Version
5	18.5' LED Monitor (minimum)
6	WPS Office Suite Licensed Version
7	Antivirus Software licensed package
8	Recommended Makes: LENOVO / DELL / HP

### 2) MAJOR SERVER

Quantity: 40 Nos.

SI No.	Specifications
1	Antivirus Software licensed Package
2	Intel Core i7 processor
3	16 GB RAM
4	1 TB HDD
5	Windows 10 Professional or above, Licensed Version
6	18.5' LED Monitor (minimum)
7	SQL Server Express Edition Licensed
8	WPS Office Suite Licensed Version
9	Recommended Makes: LENOVO / DELL / HP

### 3) LASER JET PRINTER

Quantity: 160 Nos.

SI No.	Specifications
1	Monochrome Laserjet Printer (Single Function);
2	Printing resolution: 600 dpi (minimum)
3	Printing speed: 12 +/-2 pages per minute (minimum).
4	The equipment should be supplied with first charge of consumables and all accessories complete.
5	Recommended Makes: HP Laserjet 1020/ Canon LBP2900

#### 4) SCANNER

Quantity: 40 Nos.

SI No.	Specifications
1	Scanner (ISO Certified)
2	Type : Flatbed (A4)
3	Resolution : Up to 4800 dpi
4	Bit depth : 48-bit
5	Connectivity : Hi-speed USB 2.0
6	Recommended Makes: CANON/ HP

#### 5) NETWORK SWITCH

Quantity: 40 Nos.

SI No.	Specifications
1	16 - Port Manageable Network Switch
2	16 nos. 10/100 ports POE ports , 2 nos. Combo SFP/1000Base-T ports & 2 1000Base-T ports, PoE Standard - 802.3 af & 802.3 at, IEEE 802.3 10BASE-T Ethernet (twisted-pair copper), IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper), IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted- pair copper), IEEE 802.3z Gigabit Ethernet (fiber) ANSI/IEEE 802.3, Auto-negotiation, IEEE 802.3x Flow Control, Switching Capacity : 12.8Gbp
3	Make: D-Link/CISCO/Linksys



## **GENERAL CONDITIONS**

1. The equipment should be complete with all accessories and interconnections.
2. The Bidder should submit Comprehensive/Annual Maintenance Contract rates for 5 Years after the Warranty Period, for the individual items specified.
3. The Supplier shall ensure that the equipment/s supplied should meet NABL standards for diagnostic labs
4. The purchaser will be providing the required electrical supply to the equipment. All wiring requirements within the equipment are to be provided by the supplier as per standard.
5. The equipment offered should be suitable for Indian electrical ratings as follows.  
Power supply: 200-230V, 50 Hz (Single Phase) or 400-440 V, 50 Hz (3 Phase)
6. The supplier should specify necessary utility requirements for equipment.
7. The supplier should submit necessary test certificates as per relevant standards of material used, free of cost.
  
8. The suppliers should submit the following documents, relevant to their scope of supply, along with delivery & commissioning of the Unit :
  - a) All final drawings
  - b) Relevant Test Certificates, Type Test reports, Operation & Maintenance Manual, Installation Manual, Troubleshooting Manuals, Warranty/Guarantee Certificates, Calibration Certificates with traceability, wherever applicable
  - c) Any other related documents
9. Any deviations from the bid documents shall be clearly indicated.
10. The bid should be complete with all the relevant details.

**SCHEDULE III**  
**CONDITIONS OF CONTRACT**

**1) PRICE**

The price quoted should be for supply, installation and commissioning of the item at the specified location and shall be inclusive of Basic Price, all applicable taxes and duties including GST, CST, VAT, Entry tax, Octroi & other levies, P&F charges, loading and unloading charges, insurance, installation and commissioning charges etc. The Supplier should pay entry taxes, as applicable and should be included in the offer.

The Format for Quoting (**Schedule V**) shall be suitably filled as applicable. Price quoted should be firm without any escalation till the order is completely executed.

**2) TAXES/DUTIES/LEVIES**

The supplier shall be entirely responsible for all taxes including entry tax, duties, license fees, etc. incurred until successful completion of contract. All central, state, municipal taxes, duties and levies payable shall be shown by the bidder separately in the Bid. The Purchaser will issue necessary 'C' Form, if required.

**3) DELIVERY/ COMPLETION PERIOD**

The items should be delivered & installed at **HLL Sites as specified in Schedule VII** within **Four weeks** from the date of issue of the Letter of Intent or Supply Order.

**4) PAYMENT TERMS AS BELOW:**

- a) 90% payment within 30 days of supply, installation and successful commissioning of the equipments at the specified HLL site.
- b) Balance 10% will be paid against a Performance Bank Guarantee from a nationalized bank valid for the Guarantee period of 12 months from the date of successful commissioning.

**5) GUARANTEE PERIOD**

The Guarantee against any possible manufacturing defects shall be given for a period of 18 months from the date of supply and inspection of the item at HLL site or 12 months from the date of installation, whichever is earlier unless specified otherwise in Schedule II

## **6) INSPECTION AND TESTING**

Purchaser shall have the right of access to the Supplier's works at all reasonable time to inspect and measure the progress of execution of the Order. The Supplier should make available all tools, instruments, apparatus, equipment, facilities, services and materials to enable the Purchaser's nominee to carryout such inspection/tests without obligations. Notwithstanding such tests/inspection conducted at the Supplier's works from time to time, goods under the Order shall not be despatched unless they have been finally inspected by the purchaser or inspection waived and despatch specifically authorized in writing, wherever inspection during various stages of execution of the order and prior to despatch are specifically provided for in the order, sufficient advance notice shall be given to the purchaser for the purpose, and as a consequence of such inspection, if necessary, the Supplier shall arrange re-work at his own cost. Notwithstanding any such inspection/tests carried out at Supplier's works, the equipment shall be accepted only after receipt and successful commissioning at the site and the inspection/tests carried out at Supplier's works will not relieve his contractual obligations for conforming to the specifications under the Order.

## **7) PERFORMANCE GUARANTEE**

The Supplier shall fully guarantee all of the equipment supplied to perform in accordance with the specifications and to be free of all defects in design, material and workmanship. Should any equipment not performing as intended or should the design, material or workmanship prove defective within a period of 12 months from the date of successful commissioning, the equipment shall, upon notification of deficiency or defect, be promptly corrected by the Supplier to the satisfaction of Purchaser without delay and at no extra cost. If the Supplier fails to take proper corrective action to replace or repair the deficiency within a reasonable time of Purchaser's notification to this effect, the Purchaser shall be free to take such corrective action at the Supplier's risk and cost.

Even if Inspection and/or tests are fully carried out by Purchaser or their representatives, the Supplier is not absolved to any degree of his responsibility to ensure that all equipment and materials supplied comply strictly with the requirements as per specifications given in the order, and the Purchaser shall be free to point out any defect till the guarantee period is over.

## **8) SCOPE OF SERVICES, SUPPLIES AND MATERIALS:**

The scope will include all services, supplies etc. for the satisfactory execution of the Contract except in so far as any of those are expressly excluded.

## **9) ASSIGNMENT AND SUBLETTING**

No assignment and subletting of whole or part of the order shall be permitted except with prior approval of purchase obtained in writing.

## **10) INDEMNIFICATION CLAUSE**

The Supplier shall indemnify and hold harmless the Purchaser from and against all claims, liability, loss damage or expense, including counsel fees arising from or by reason of any actual or claimed trade mark, patent or copy right infringement or any litigation based thereon with respect to any part of the items covered by the Contract, and such obligations shall survive acceptance of payment for the items.

## **11) LIQUIDATED DAMAGES FOR DELAYS**

If the equipment is not supplied to the purchaser within the time stipulated in the Order, Purchaser may at their option, either (1) recover from the Supplier liquidated damages at the rate of 0.5 % of the total contract value for every week of delay, subject to a maximum of 7.5 % of the total contract value, or (2) at the risk and cost of the Supplier and without prejudice to the other remedies/rights as per the Contract, terminate the order wholly or partially and complete it themselves or reassign it to other Suppliers.

## **12) FORCE MAJEURE**

- a. Neither the Supplier nor the Purchaser shall be considered in default in the performance of their obligations as per the Contract so long as such performance is prevented or delayed because of strikes, war, hostilities, revolution, civil commotion, epidemics, accidents, fire, cyclone, flood or because of any law and order proclamation, regulation or ordinance of Government or subdivision thereof or because of any act of God. The proof of existence of force majeure shall be provided by the party claiming it to the satisfaction of the other.

- b. The Supplier shall advise Purchaser initially by a Fax, followed by post, the beginning and end of any of the above causes of delay, failing which Purchaser shall not be liable to consider delays due to the above reasons. Notice as stated above should be given even in case where only the Supplier's bids are under the consideration of the Purchaser and no acceptance of the same has been given and detailed order issued.
- c. In the event of definite delay even if arising out of reasons due to force majeure, Purchaser shall have the right at their discretion to cancel the Order or part of the Order without any liability on their part to make any payment to the Supplier while reserving the right to claim refund of and any payment if advanced or paid to Supplier.

### **13) SETTLEMENT OF DISPUTES**

Any disputes or differences or questions or claims arising under or relating to or touching this agreement shall be referred for arbitration to a Sole Arbitrator under the provisions of the Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof for the time be in force. The award passed by the arbitrator shall be final and binding on the parties hereto.

The contract shall be deemed to have been concluded at Thiruvananthapuram, Kerala and suits and proceedings, if any, shall be only in the courts of competent jurisdiction in Thiruvananthapuram.

The venue of arbitration shall be the place from where the contract is issued.

**SCHEDULE IV**  
**ACCEPTANCE FORM**

*(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)*

From

To

**ASSOCIATE VICE PRESIDENT (PROJECTS),**  
PROJECTS DIVISION,  
HLL LIFECARE LIMITED (A Government of India Enterprise)  
Corporate Head Office, Poojappura.P.O,  
Thiruvananthapuram – 695012, Kerala, India  
Phn: 0471- 2354949  
E-mail: sreekumar@lifecarehll.com, harikrishnankp@lifecarehll.com

Dear Sir,

I / We, hereby offer to supply/erect/install/commission as detailed in schedule hereto or such portion thereof as you may specify in the acceptance of Bid at the price given in the price bid and agree to hold this offer open till 120 days after the date of bid opening prescribed by the purchaser. I/We have understood the terms and conditions mentioned in the invitation for bid and Conditions of Contract furnished by you and have thoroughly examined the specifications and drawings in the bid document hereto and are fully aware of the nature of the scope of work required and my/our offer is to comply strictly in accordance with the requirement and the terms and conditions mentioned above. I/We have understood that the PURCHASER is the sole owner of the technology, equipment, specification and drawings given along with the bidding documents. I/we here by assure that the above information will be kept confidential and will not be used for any other purpose or will not be transferred to third party.

Yours faithfully,

**SIGNATURE OF THE BIDDER**

**SCHEDULE V**  
**PRICE SCHEDULE**  
**FORMAT FOR QUOTING**

<b>Sub:</b>	<b>Supply, Installation, Testing and Commissioning of following Lab equipments and IT Hardware items with all accessories as per the tender specifications enclosed – reg.</b>				
<b>SI No</b>	<b>Item Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate in Rs</b>	<b>Amount in Rs</b>
<b>A</b>	<b>LAB EQUIPMENTS</b>				
1	Binocular microscope	80	Nos.		
2	Vertical Autoclave	1	No		
3	Hot Air Oven	40	Nos.		
4	Lab centrifuge ( 24X15ML)	40	Nos.		
5	Lab centrifuge ( 12X15ML)	40	Nos.		
6	PH meter	5	Nos.		
7	Water bath	40	Nos.		
8	Incubator	5	Nos.		
9	Biosafety Cabinet	1	Nos.		
10	Refrigerator with Freezer	40	Nos.		
11	VISI coolers( Refrigerators)	80	Nos.		
12	VDRL shaker	40	Nos.		
13	Sample Tube Rotator	40	Nos.		
14	Needle Destroyer	150	Nos.		
15	Deep Freezer	1	Nos.		
16	Automated Culture System	1	Nos.		
17	Vein Viewing Machine	150	Nos.		
18	Phlebotomy Chair	40	Nos		
<b>B</b>	<b>IT HARDWARE EQUIPMENTS</b>				
1	Desktop PC	160	Nos.		
2	Major Server	40	Nos.		
3	Laser Jet Printer	160	Nos.		
4	Scanner	40	Nos.		
5	Network Switch - 16 Port	40	Nos.		
<b>TOTAL</b>					
<b>APPLICABLE TAXES</b>					
<b>TOTAL AMOUNT IN RS</b>					
<b>(RUPEES IN WORDS)</b>					

I agree to complete the supply as per the schedule at the rates quoted by me as above.

**AUTHORIZED SIGNATORY**

## SCHEDULE VI-A

### FORMAT FOR QUOTING AMC/COMPREHENSIVE AMC FOR EACH ITEM

Sub:	<b>AMC FOR 5 YEARS AFTER THE WARRANTY PERIOD - REG.</b>							
SI No	Item Description	Quantity	Unit	AMC/CAMC Rate/Unit in Rs/Year (inclusive of applicable taxes)				
				2nd Year	3rd Year	4th Year	5th Year	6th Year
<b>A</b>	<b>LAB EQUIPMENTS</b>							
1	Binocular microscope	80	Nos.					
2	Vertical Autoclave	1	No					
3	Hot air oven	40	Nos.					
4	Lab centrifuge ( 24X15ML)	40	Nos.					
5	Lab centrifuge ( 12X15ML)	40	Nos.					
6	PH meter	5	Nos.					
7	Water bath	40	Nos.					
8	Incubator	5	Nos.					
9	Biosafety Cabinet	1	Nos.					
10	Refrigerator with Freezer	40	Nos.					
11	VISI Coolers( Refrigerators)	80	Nos.					
12	VDRL shaker	40	Nos.					
13	Sample Tube Rotator	40	Nos.					
14	Needle Destroyer	150	Nos.					
15	Deep Freezer	1	Nos.					
16	Automated Culture System	1	Nos.					
17	Vein Viewing Machine	150	Nos.					
18	Phlebotomy Chair	40	Nos					
<p><b>NOTE:-</b>  <b>AMC/CAMC rates (including applicable taxes) shall be quoted separately for 5 Years and same will be considered for finalizing the L1 Bidder for each Item.</b></p>								

**AUTHORIZED SIGNATORY**



## SCHEDULE VI-B

### FORMAT FOR QUOTING AMC/COMPREHENSIVE AMC FOR EACH ITEM

<b>Sub:</b>		<b>Comprehensive AMC FOR 5 YEARS AFTER THE WARRANTY PERIOD - REG.</b>						
<b>SI No</b>	<b>Item Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>AMC/CAMC Rate/Unit in Rs/Year (inclusive of applicable taxes)</b>				
				<b>2nd Year</b>	<b>3rd Year</b>	<b>4th Year</b>	<b>5th Year</b>	<b>6th Year</b>
<b>B</b>	<b>IT HARDWARE EQUIPMENTS</b>							
1	Desktop PC	160	Nos.					
2	Major Server	40	Nos.					
3	Laser Jet Printer	160	Nos.					
4	Scanner	40	Nos.					
5	Network Switch - 16 Port	40	Nos.					

**NOTE:-**  
**AMC/CAMC rates (including applicable taxes) shall be quoted separately for 5 Years and same will be considered for finalizing the L1 Bidder for each Item.**

**AUTHORIZED SIGNATORY**

**SCHEDULE VII**

**SCHEDULE OF LOCATIONS AND DISTRIBUTION**

**SUB: SUPPLY, INSTALLATION AND COMMISSIONING OF VARIOUS LAB EQUIPMENTS & IT HARDWARE ITEMS FOR SETTING UP OF DIAGNOSTIC LAB FACILITIES AT VARIOUS LOCATIONS IN ASSAM - REG.**

SL NO	DISTRICT	HOSPITAL	EQUIPMENT ITEM NUMBER (AS PER SCHEDULE) AND ALLOCATION QUANTITY																						
			LAB EQUIPMENTS																	IT HARDWARE EQPMTS					
			A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8	A-9	A-10	A-11	A-12	A-13	A-14	A-15	A-16	A-17	A-18	B-1	B-2	B-3	B-4	B-5
1	BASKA	Dr. Ravi Boro Civil Hospital, Baska Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
2	BARPETA	District Hospital, Kalgachia, Barpeta Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
3	BONGAIGAON	District Hospital, Bongaigaon Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
4	CACHAR	Lakhipur BPHC, Cachar Dist.	2		1	1	1	1	1	1		1	2	1	1	4			4	1	4	1	4	1	
5	CHRIANG	JSB Civil Hospital, Chriang Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
6	DHEMAJI	Dhemaji Civil Hospital, Dhemaji Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
7	DARRANG	Kharupetia BPHC, Darrang Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
8	DIBRUGARH	Naharkatia Civil Hospital, Dibrugarh Dist.	2		1	1	1	1	1	1		1	2	1	1	4			4	1	4	1	4	1	
9	DIMA HASAO	Maibong CHC, Dima Hasao Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
10	DHUBRI	Hatsingimari SDCH, Dhubri Dist.	2		1	1	1	1	1	1		1	2	1	1	4			4	1	4	1	4	1	
11	HAILAKANDI	Katlicherra BPHC, Hailakandi Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
12	GOALPARA	Goalpara Civil Hospital, Goalpara Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
13	GOLAGHAT	KK Civil Hospital, Golaghat Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
14	JORHAT	Titabar SDCH, Jorhat Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
15	KOKRAJHAR	RNB SDCH, Kokrajhar Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
16	KARBI ANGLONG	Diphu Civil Hospital, Karbi Anglong Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
17	KARIMGANJ	Karimganj Civil Hospital, Karimganj Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
18	KAMRUP	Suaikuchi FRU, Kamrup Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
19	KAMRUP	Sonapur District Hospital, Kamrup(M)Dist.	2	1	1	1	1	1	1	1		1	2	1	1	4	1	1	4	1	4	1	4	1	
20	LAKHIMPUR	Dhakuakhana (Old PHC), Lakhimpur Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
21	MORIGAON	Morigaon Civil Hospital, Morigaon Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
22	NALBARI	SMK Civil Hospital, Nalbari Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
23	NAGAON	Dhing FRU, Nagaon Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
24	SONITPUR	Biswanath Chariali SDCH, Sonitpur Dist.	2		1	1	1	1	1	1		1	2	1	1	4			4	1	4	1	4	1	
25	SIVASAGAR	Sivasagar Civil Hospital, Sivasagar Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
26	TINSUKIA	LGB Civil Hospital, Tinsukia Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
27	UDALGURI	Udalguri Civil Hospital, Udalgun Dist.	2		1	1	1		1			1	2	1	1	4			4	1	4	1	4	1	
28 - 40	13 HOSPITAL LOCATIONS IN ASSAM, YET TO BE CONFIRMED. WILL BE PROVIDED LATER		26		13	13	13		13			13	26	13	13	42			42	13	52	13	52	13	
<b>TOTAL</b>			<b>80</b>	<b>1</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>5</b>	<b>40</b>	<b>5</b>	<b>1</b>	<b>40</b>	<b>80</b>	<b>40</b>	<b>40</b>	<b>150</b>	<b>1</b>	<b>1</b>	<b>150</b>	<b>40</b>	<b>160</b>	<b>40</b>	<b>160</b>	<b>40</b>	<b>40</b>