

HLL Biotech Limited
(A Government of India Enterprise)
(A Subsidiary of HLL Lifecare Limited)
Corporate identity number of HBL: U24290KL2012GOI030732 dtd 12.3.12

BID REF No: HBL/TENDER/RD-HIB/EQUIP/017/13-14 dated 01.02.2014
TENDER FOR SUPPLY AND INSTALLATION OF EQUIPMENTS

INTRODUCTION OF THE COMPANY

HLL Biotech Limited (HBL) was incorporated as a subsidiary of HLL Lifecare Ltd, a Government of India Enterprise under the Ministry of Health and Family Welfare, Government of India. HBL is conceived to take the lead role in providing products, services and assistance in achieving our country's goals in immunization and eradication of deadly diseases.

HBL is setting up an Integrated Vaccine Complex (IVC) at Chengalpet, an emerging industrial hub in the southern tip of Tamilnadu state. Project outlay for IVC is Rs 6.00 Billion and 75% of the products & services will be designed to meet the targets of the Universal Immunization Policy (UIP) of the country.

This project has been declared as a "Project of National Importance" by the Government of India.

SCOPE OF WORK

The scope of work should be the supply and installation of the equipments as mentioned in the Schedule of Requirements and complying with the enclosed Technical Specification. Supplier may quote for the items against the technical specification, along with additional features.

The installation has to be done by the supplier at HBL Lab Module – 109, TICEL Bio Park Campus, Taramani, Chennai.

1. Instruction to Bidders

- 1.1 The bids are invited on two stage bidding process basis. The bid will constitute of Technical bid and Financial bid (Item-wise). Technical bid and financial bid (Item-wise) to be submitted in separate sealed envelopes superscribing with item quoted . Technical bid cover(Item-wise) along with EMD cover & Financial bid cover should be kept in a separate single cover superscribing with tender reference number and item quoted. The technically qualified parties financial bid only be opened for financial evaluation.
- 1.2 The bid is invited for supply & installation of Equipments at HBL Lab Module-109, TICEL Bio Park Campus, Taramani, Chennai as per specification and other details given in the bid document. All bidders who qualify the eligibility conditions as detailed in the bid document are eligible to participate except in the case of firms who are blacklisted / barred by competent agencies or HBL in participation and award of such contracts.
- 1.3 Bidders can send their queries and clarifications to address given in clause 1.4, up to three days prior to the due date of bid submission. There is no bid document fee.
- 1.4 Bids shall be addressed in the name of The **Chief Operating Officer, HLL Biotech Limited, TICEL Bio-park Campus (Module no. 013-015), CSIR Road, Taramani, Chennai- 600 113 Contact No: 044 22544949/68. Email: rajeshkgupta@hllbiotech.com**. Due date of submission of the bid will be on **17.02.2014 upto 11:00 Hrs**. The technical bid will be opened on the same day at **11:30 hrs**. The financial bid of only those bidders who are qualifying the minimum eligibility criteria & technical specification will be

opened. The date & time of financial bid opening shall be intimated separately to the technically qualified parties.

- 1.5 Bids shall be valid for 120 days from the date of opening.
- 1.6 The bids should contain complete technical specification of the equipment along with detailed illustrations and diagrams to facilitate evaluation.

2. Mode of submission of Bids

Documents to prove the eligibility criteria should be submitted in a separate sealed envelope marked “Technical Bid”. Technical bid should consist of the following:

- a. **EMD (Earnest Money Deposit) in the form of crossed demand draft/ banker’s cheque** in favor of “HLL Biotech Limited” payable at Chennai, has to be submitted for **Rs. 3,000/- (Rupees Three Thousand only)** for each quoted item separately which shall be valid for 90 days from the date of tender opening.
- b. Bid document bearing signature and seal of the bidder in all pages
- c. **Annexure: I** (Technical specification, technical brochures/datasheets/drawings/Model no)
- d. **Annexure : II** (Bid Data sheet)
- e. **Annexure: III** (Past experience, including performance certificate from clients).

All other supporting documents (mentioned in clause 3) and certificates substantiating the bidder’s eligibility shall be attached.

The financial bid should be put in a separate envelope, sealed and marked “Financial Bid”. The financial bid should contain the following

- a. **Annexure: IV** (Bid form)
- b. **Annexure: V-A & B** (Financial bid in the prescribed format given in the bid document).

2.1 The bids shall be enclosed in a sealed envelope super scribing “**Tender for supply & installation of Equipments, tender ref no. HBL/TENDER/RD-HIB/EQUIP/017/13-14 dated 01.02.2014**” and shall be addressed to the

**The Chief Operating Officer,
HLL Biotech Limited,
TICEL Biopark Campus (Module no. 013-015),
CSIR Road, Taramani, Chennai- 600 113
Contact No: 044 22544949/68/72, Fax: 044 22540101.**

2.2 Any bid received after the stipulated time period shall be considered as late tender and will be rejected.

3. Minimum Eligibility Criteria

- a. Bidders shall be an authorized dealer/ agent of the original equipment manufacturer. Manufacturer’s Authorization Certificate to be attached.
- b. Net worth of the company shall be positive during the last three financial years. **The balance sheet , profit and loss account for last three financial years (FY 2010-11, FY2011-12, FY 2012-13) certified by a Chartered Accountant shall be submitted.**
- c. The bidder in general should possess adequate experience in number of years and volume of similar supply & installation done in the past. The bidder shall have supplied and installed similar equipments in last 2 years. Purchase orders and successful completion certificates from previous clients shall be submitted.

4. Country of Origin

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

4.2 The word “origin” incorporated in this clause means the place from where the goods are manufactured, produced or processed or from where the services are arranged.

4.3 The country of origin may be specified in the Price Schedule

5. Bid Evaluation

Bid determined to be substantially responsive will be checked by HBL for any arithmetic errors and the same will be corrected as follows:

- a. Where there is a discrepancy between the rates in figures and in words, the rates in words will prevail.
- b. Where there is a discrepancy between the unit price and the total price resulting from the multiplying the unit price by the quantity, the unit price as quoted shall prevail.
- c. The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.

For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currencies say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed /undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only. Such conversion of currencies will be done based on rate of exchange declared by the RBI as on the date of ‘Price Bid’ opening .Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.

6. Tender Price & Documents

For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:

- a) The price of the goods should be quoted on FOR HBL Site basis with the detailed breakup of ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST/VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;
- b) Any sales or other taxes and any duties including excise duty, which will be payable on the goods in India, if the contract is awarded.
- c) Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule.

For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:

- a) The price of goods quoted should be on DDP basis at consignee site in India as indicated in the List of Requirements, Price Schedule.
- b) The charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from warehouse to the consignee site for a period including 3 months beyond date of delivery.

In case, the Tender document permits the tenderers to quote their prices in different currencies, all such quoted prices of the responsive tenderers will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the exchange rates established by the Reserve Bank of India for similar transactions, as on the date of 'Price bid' opening. DDP price/FOR HBL site price will be considered for comparison and evaluation.

Distribution of Dispatch Documents for Clearance/Receipt of Goods

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

The usual documents involved and the drill to be followed in general for this purpose are as follows.

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

Within 24 hours of despatch, the supplier shall notify the purchaser/consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to be submitted as per the instruction of purchaser:

- I. Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount.
- II. Two copies of packing list identifying contents of each package.
- III. Inspection certificate issued by the nominated Inspection agency, if any.
- IV. Certificate of origin.
- V. Insurance Certificate

VI. Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

B) For goods imported from abroad

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract).

- I. Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- II. Original and four copies of the negotiable clean, on-board Bill of Lading/Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
- III. Four Copies of packing list identifying contents of each package;
- IV. Insurance Certificate
- V. Manufacturer's/Supplier's warranty certificate;
- VI. Certificate of origin
- VII. Port of Loading
- VIII. Port of Discharge and Expected date of arrival.

7. Exemptions/Forms

HBL will not be giving any duty exemption. HBL will issue the "C" form.

8. Rejection of bids

Notwithstanding the above conditions, HBL reserves the right to accept or reject any offer, and to annul the tender process and reject all offers, at any time prior to award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligations to inform the affected Bidder or Bidders of the grounds for HBL's action.

9. Notification of Award

- 9.1 Prior to the expiry of the period of offer validity prescribed by HBL, HBL will notify the successful Bidder by Tele-fax or e-mail, to be confirmed in writing by registered post/ by courier, that his offer has been accepted. The purchase order will be issued to the successful bidder. No correspondence will be entertained by HBL from the unsuccessful Bidders.
- 9.2 Upon selection of the successful bidder (technically qualified L1 party) HBL will promptly notify the same to successful Bidder through an LOI/Purchase Order.
- 9.3 EMD's of unsuccessful bidders will be returned only after finalizing the L1 Party and EMD's of technically non-responsive bidders will be returned after financial bid opening.

TERMS AND CONDITIONS

1. DEFINITION:

1.1 For the purpose of this contract, the following words and expressions shall have the meaning hereby assigned to them except where the context otherwise requires:-

- i. "HBL" means HLL Biotech Limited, which expression shall unless excluded by or repugnant to the context include HBL's representative.
- ii. "Contractor/ Bidder" Means successful lowest bidder.
- iii. "Earnest Money Deposit" (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.
- iv. "Performance Security" means monetary or financial guarantee to be furnished by the successful tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit.
- v. "Consignee" means the organization/person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of dispatch to another person as provided in the Contract then that "another" person is the consignee, also known as ultimate consignee.

2. PAYMENT SCHEDULE:

Payment shall be made as specified in the contract in the following manner:

On supply of material at the desired location & after successful installation & Final Acceptance by HBL's Representative	100% of the order value
--	-------------------------

For goods imported from abroad, HBL will reimburse the customs duty at actuals to Indian Agent in Indian Rupees after installation & Final Acceptance. All other charges i.e Customs Clearance charges, Transportation and loading, unloading charges at consignee site as quoted in the price schedule will also be paid to Indian Agent in Indian Rupees after installation & Final Acceptance. No other charges will be paid by HBL. The quoted price should be also inclusive of Insurance & FOR delivery at consignee site and is firm and fixed till completion of the work.

3. TAXES AND OTHER LEVIES

The quoted price shall be inclusive of all applicable taxes and duties.

4. PERFORMANCE SECURITY

4.1 The successful bidder has to furnish performance guarantee from nationalized / scheduled bank in the form of a bank guarantee in the name of HLL Biotech Limited on receipt of the purchase order. The performance bank guarantee valid up to a period of 1 year (completion of warranty) beyond the completion of work with additional claim period of 2 months for 10% of total contract value has to be submitted within 10 days from the date of Purchase Order. The EMD Paid shall be returned after receipt of Performance Bank Guarantee.

4.2 Failure of the successful Bidder to furnish the required Performance Security shall constitute sufficient grounds for the annulment of the award of Contract and shall forfeit the EMD.

4.3 Forfeiture of Performance Security

In case, the Contractor/ Bidder fails to complete the work, HBL, without prejudice to rights and remedies available under the contract, shall forfeit and en-cash the Performance Guarantee.

4.4 In case, the bank goes in liquidation or for any reason is unable to make payment against the said Bank Guarantee, the loss caused thereby shall be borne by the Contractor/ Bidder. The Contractor/ Bidder forthwith, on demand from HBL, shall make good the deficit.

5. ADDITIONS/DELETIONS

- 5.1 HBL shall have the right to direct in writing for changes, additions, modifications or deletions in the design and drawings or any part of the work and to request in writing additional work in connection therewith and the Contractor/ Bidder shall comply with such directions.
- 5.2 The Contractor/ Bidder shall not make any deviations, alterations, additions, to or omissions from the work shown/described and awarded to the Contractor/ Bidder except through and with proper approval of HBL.

6. TIME SCHEDULE

- 6.1. The day of commencement of project will be reckoned from the date of issue of Purchase order.
- 6.2 The material shall be delivered at site within 6 weeks from the date of issue of purchase order and installation to be completed within a week from the date of delivery.
- 6.3 The final acceptance certificate shall be issued on completion of the entire scope of work by the vendor.
- 6.3 The supply and installation shall be carried out with all due diligence and as per the time schedule specified above. In case of any delay/default, of the Contractor/ Bidder to adhere to the agreed time schedule. HBL shall recover the liquidated damages from the Contractor/ Bidder at the rate of 0.5% (Zero point Five percent) of the total amount of fee per week of delay of any activity subject to a maximum of 5% (Five percent) of the total order

value. However if there is a purposeful delay by the Contractor/ Bidder, HBL reserves all rights to terminate the contract and get the full work executed at his risk and cost.

7. EXTENSION OF TIME

- 7.1 To adhere to the above mentioned time schedule the Contractor/ Bidder shall provide on demand necessary documents, information and certificates/undertakings to HBL. Any delay in supplying the requisite documents and delay due to any other cause beyond the control of the Contractor/ Bidder shall be considered for grant of extension of time. If the Contractor/ Bidder require extension of time, they shall intimate in writing to HBL within 3 days of the occurrence of such hindrance/delay, along with proper documents.
- 7.2 HBL after satisfying itself about the reasonableness of grounds may grant extension of time, if it is justified and communicated the same in writing. Whenever such extension of time is granted, it would be without prejudice to the rights of HBL for any penal action to the extent of the delay attributable to the Contractor/ Bidder. Any extension of time granted as stated above shall neither entitle the Contractor/ Bidder to any claim for increase in their fees nor shall it release him from any of the obligations under the said agreement.

8. ABANDONMENT OF WORK

- 8.1 If the Contractor/ Bidder/ supplier abandons the work for any reason whatsoever or becomes incapacitated as aforesaid, HBL shall forfeit/en-cash the Performance Guarantee. HBL shall be at liberty to make full use of all or any of material supplied by the Contractor/ Bidder/ supplier. The Contractor/ Bidder/ supplier shall also be liable to refund all the charges

paid to him up to date plus such damages as may be assessed by HBL including the recovery of liquidated damages.

8.2 Provided, however, that in the event of the termination of the agreement under proper notice as provided in the clause hereinafter, the Contractor/ Bidder shall be liable to refund any excess payment made to him over and above which is due to him in accordance with the terms of this agreement, for the work executed by him till the date of termination of agreement.

9. WARRANTY

9.1 The bidder shall give warranty of all the equipment for a period of minimum one year from the date of final acceptance certificate from HBL. HBL shall grant right of access to the Contractor/ Bidder, of this portion of the work claimed to be defective for inspection and rectification.

9.2 HBL may recover the loss from the dues of the Contractor/ Bidder in case of failure to comply with the above clause.

10. DETERMINATION AND RESCISSION OF TERMS & CONDITIONS

10.1. When the Contractor/ Bidder have made himself liable for action under any of the clauses aforesaid, HBL shall have powers:

- a) To rescind the agreement.
- b) To engage another Contractor/ Bidder to carry out the balance work debiting the Contractor/ Bidder the extra amount, if any, so spent for getting the balance work done. This amount would be in addition to the recovery of liquidated damages.

11. GENERAL

11.1 The Contractor/ Bidder shall be fully responsible for the technical soundness of the material and also ensure that the material is supplied as

- per the specifications.
- 11.2 The Contractor/ Bidder hereby agrees that the charges to be paid as provided herein (clause 3) will be in full discharge of functions to be performed by him and no claim whatsoever shall be made against HBL in respect of any proprietary rights or copy right on the part of any other party relating to plans, models and drawings.
- 11.3 The Contractor/ Bidder shall indemnify and keep indemnified HLL Biotech Ltd against any such claims and all costs and expenses paid by HBL in defending such claims to be borne by the Contractor/ Bidder.
- 11.4 The Contractor/ Bidder hereby agrees that HBL shall have the right to take out any of the activities, which in the opinion of HBL is not being performed by the Contractor/ Bidder with due diligence, and within the agreed time schedule, and which can be performed independently. The fees or the expenses incurred shall be debited to the Contractor/ Bidder.

12. ARBITRATION

- 12.1 All disputes or differences whatsoever arising between the parties out of or relating to the Contractor/ Bidder services, meaning and operations or effect of this contract or the breach thereof shall be settled by arbitration. Matters to be arbitrated upon shall be referred to a sole Arbitrator, to be appointed by HBL and the award made in pursuance thereof shall be binding on the parties. Such arbitration shall be governed by the Indian Arbitration and Conciliation Act 1996.
- 12.2 The place of arbitration shall be at Chennai.

13. FALL CLAUSE

The prices charged for this particular service/supply under the Contract by the supplier/service provider shall in no event exceed the lowest price at which

the supplier/service provider sells the service/supply of identical description to any person(s)/organization (s) including the Purchaser or any Department of the Central Government or any Department of a State Government or any statutory undertaking of the Central or a State Government, as the case may be, during the period till performance of all Supply Orders placed during the currency of Rate Contract is completed.

ANNEXURE- I

BID REF No: HBL/TENDER/RD-HIB/EQUIP/017/13-14 dated 01.02.2014

S.No	Description	Qty (No)	Make	Supplier Remark	
				Make	Model
1	Autoclave	1	Tomy digital biology/tuttnauer/hirayama		
2	Deep Freezer (-20°C)	1	Dairei/Panasonic/Remi/Jeitech		
3	Halogen Moisture Analyzer	1	Mettler Toledo/ Cole-parmer		
4	Hot Air Oven	1	Thermo Scientific /Stable Temp		
5	Magnetic Stirrer	1	Jeitech/ IKA/Heidolph/Cole-parmer		
6	Peristaltic Pump	2	Masterflex/Thermo Scientific/Watson marlow		
7	Shaker Incubator	1	IKA/Eppendorf/Orbitek/Cole-parmer		
8	UV- Vis Spectrophotometer	1	Agilent/ Shimazdu/Perkin Elmer		
9	Water bath	1	Julabo/ Thermal Scientific/ Stable temp/ Labocon		
10	Weighing Balance (3Kg)	1	Mettler Toledo/ Sartorius/shimazdu		
11	Weighing Balance (220g)	1	Mettler Toledo/ Sartorius/shimazdu/Col-parmer		

Detail Specification of Equipments

1. SPECIFICATION FOR AUTOCLAVE Qty: 1No

S.No	Specification		
	Make	Tomy digital biology/Tuttnauer/Hirayama	
1	Operating temperature range	Sterilizing	105 to 135°C
		Heating	45 to 104°C
		Warming	45 to 95°C
2	Max. operating pressure		0.25MPa
3	Temperature	Display	0.1°C
		Display style	Digital/LED
4	Pressure guage	Display	Analog
		Display	0 to 0.4MPa
5	Heat source		3.0kW electric heater
6	Time display		Digital
7	Time Display range	Sterilizing	1 to 99 hrs, 1 to 999mins (variable: 0:0.1 to 9:59/10 to 99)
		Heating	
		Warming	variable: 1 to 99 hrs/fixed to 4 hrs
8	Chamber capacity		minimum 100L
9	Chamber material		SS 304
10	Power input		13A/230V
11	power supply		Single phase 230 VAC (50/60Hz) 15 A or more
12	Ambient temperature		10 to 35°C
13	Power consumption		2900W/13 Amp, Heater 2300W, Dry Heater 600W.
14	Indicator lamp		For power, add-water, heat and sterilization, exhaust, dry, complete, door closed, low water, over heated/over pressured.
15	Relative humidity		30 to 85%
16	Atmospheric pressure		860 to 1060hPa
17	Maximum gradient		2°
18	Program for selection		121°C / 135°C, Wrapped/unwrapped, dry/un-dry, liquid.
19	Safety device		Water level sensor, Current leakage breaker, Lid interlock, Over-heat prevention, Over-pressure prevention, open temperature sensor detection, Safety valve.

20	Documentation	IQ, OQ, PQ should be done at site and should be documented, calibration and validation certificates also required. AMC required
21	Agency approvals	CE certification required.
22	Warranty	Warranty certificate required.

2. SPECIFICATION FOR DEEP FREEZER (- 20°C)

S.No	Specification		
1	Make	Dairei/Panasonic/Remi/Jeiotech	
2	Net capacity	300 TO 350 L	
3	Insulation	60 to 80 mm	
4	Temperature	Range	- 10 / - 30°C
		Display	0.1°C
5	Max. ambient temperature	18 to 35°C	
6	Relative humidity	Upto 85%	
7	Noise level	<60 DBA	
8	No. of compressors	1	
9	Alarm	Audible and visible, power failure alarm, acoustic alarm, open door alarm, adjustable high/low alarm, probe failure alarm	
10	Temperature sensor	Platinum RTD	
11	Display	Digital/LED	
12	Body material	Internal - SS 316, External - SS 304(GMP model)	
13	Handle/Door lock	Display key lock, keyed outer doors, standard paddlock hasp per door	
14	Chart recorder	7-day temperature circular recorder with auto recharging battery	

15	Castors	Should be present for easy transportation
16	Shelves/Baskets	Minimum 4 and should be adjustable
17	Refrigerant	Environmentally safe refrigerant mixtures/non flammable in both stages(R-404A)
18	Power supply	220 - 240V, 50Hz, Single phase
19	Frequency	50Hz/220-240 V
20	Power consumption	2,95 KWH/24H
21	Interface	RS-485
22	Certificates	CE certification required
23	Documentation	IQ, OQ, PQ and supporting documents (Calibration and validation certification) required
24	Warranty	Warranty certificate required

3. SPECIFICATION FOR HALOGEN MOISTURE ANALYZER

S. No.	Specification	
	Make	Mettler toledo/ Cole Parmer
1	Temperature Range	50 to 160 °C
2	Capacity	40 g and above
3	Readability	0.01 % / 0.01 g
4	Temperature adjustment	Intervals of 1°C
5	Repeatability	± 0.05 %
6	Results	Evaluate moisture and dry content in %, weight in g
7	Language	English
8	Display	Digital / LED
9	Power requirements	230 V, 50/60 Hz
10	Documentation	Operational manual, IQ, OQ, PQ should be provided
11	Agency approvals	CE certification required
12	Warranty	Warranty certificate required

4. SPECIFICATION FOR HOT AIR OVEN

S.No.	Specification	
	Make	Thermo Scientific /Stable Temp
1	Convection technology	Mechanical convection
2	Temperature	Range
		Resolution/ Display
3	Spatial temperature deviation @ 150°C	± 1.5°C
4	Temperature deviation over time @ 150°C	± 0.2°C
5	Temperature uniformity	± 1.3°C @ 150°C
6	Temperature display	Digital / LED
7	Timer	Should be required(1 min to 99hrs 59 mins with delayed on/off)
8	Control type	Microprocessor/Digital PID with auto tuning and calibration
9	Alarms	Audible and visual
10	Interface	RS232
11	Material of construction	Stainless steel
12	Foot print	Should be minimal
13	Chamber volume	200 to 300 L
14	No. of shelves	Minimum 5
15	Max. shelf load	25 kg
16	Power requirements	230 V, 50/60 Hz
17	Temperature sensor type	Platinum RTD
18	Agency approvals	CE certification required.
19	Documentation	IQ, OQ, PQ should be done at site and should be documented, calibration and validation certificates also required. AMC required.

20	Warranty	Warranty certificate required.
----	----------	--------------------------------

5. SPECIFICATION FOR MAGNETIC STIRRER

S.No.	Specification	
	Make	Jeio tech/IKA/Heidolph/Cole-parmer
1	No. of stirring positions	01
2	Speed control	Feedback control with PID
3	Stirring capacity (L)	20
4	Speed range (rpm)	0 to 1000
5	Speed display	Digital/LCD
6	Motor rating input/output (w)	70/19
7	Top plate material	Stainless Steel/Polypropylene with non slip silicon cover
8	Body material	Polypropylene
9	Permissible ambient temperature	5 to 40°C
10	Permissible relative humidity	80%
11	Electrical requirements	230V, 50/60Hz
12	Protection class	IP rating should be required
13	Agency approvals	CE certification required
14	Documentation	IQ, OQ, PQ and supporting documents required.
15	Warranty	Warranty certificate required

6. SPECIFICATION FOR PERISTALTIC PUMP

S.No.	Specification		
	Make	Masterflex/Thermo scientific/Watson marlow	
1	Included pump head	Easy - Load	
2	No. of heads accepted	2	
3	RPM	1 to 100	
4	Flow Rate (ml/min)	Max Flow	580
		Min Flow	0.06
5	Control Type	Variable Speed	
6	Speed Control	±0.25% (0.1 rpm at 100 rpm)	
7	Display	Digital/LCD/LED	
8	Reversible Motor	Yes	
9	Operating temperature	0 to 40°C	
10	Housing material	ABS, drive housing is epoxy finished/Polyester powder coat case work.	
11	Protection class	IP rating should be required.	
12	Speed control - input	0 to 20mA, or 0 to 10V	
13	Speed control - output	4 to 20mA, or 0 to 10V	
14	Voltage (50/60 Hz)	2.2 @ 115 VAC, 1.1 @ 230 VAC	
15	Agency approvals	CE certification required	
16	Documentation	IQ, OQ, PQ and supporting documents (calibration certificates) required.	
17	Warranty	Warranty certificate required	

7. SPECIFICATION FOR SHAKER INCUBATOR

S.No.	Specification	
	Make	IKA/Eppendorf/Orbitek/Cole-Parmer

1	Speed range (rpm)	30 to 350
2	Shaking movement	Orbital
3	Shaking deviation	± 2% of the set value
4	Temperature sensor	Platinum RTD
5	Temperature range	RT +5 to 80°C
6	Temperature uniformity	±0.5° C at 37° C
7	Relative humidity	80%(permissible)
8	Temperature accuracy	±0.1°C @37 & RT 25 °C
9	Clamp capacity	250 to 2000 mL clamps should be required.
10	Display	Digital
11	Timer	0 min to 99 hrs 59 mins.
12	Drive	DC Motor
13	Protection class	IP rating should be required.
14	Interface	RS - 232
15	Ambient temperature	15 to 32°C
16	Alarm	Audible and visible, Error code display
17	Temp.& Speed Controls	Should be present
18	Non-slip rubber mats	Should be required
19	Heater power	500 to 1000 W
20	Power supply	230V, 50/60Hz
21	Safety	Equipment should possess universal safety requirements.
22	Agency approvals	CE certification required
23	Documentation	IQ, OQ, PQ and supporting documents (calibration and validation certificates) required
24	Warranty	Warranty certificate should be provided.

8. SPECIFICATION FOR UV-VIS SPECTROPHOTOMETER

S.No.	Specification	
	Make	Agilent/Shimadzu/Perkin Elmer
1	Wavelength range	190 to 1100 nm
2	Slit width	1 nm
3	Wavelength display	0.1 nm increments
4	EP resolution test	> 1.9 toluene in hexane, ratio abs.at 269 nm/266nm
5	Stray light	< 0.03% @340 nm (NaNO ₂ , ASTM), < 0.05% @ 220nm (NaI, ASTM), < 1% @ 198 nm (KCl, EP)
6	Wavelength accuracy	< ± 0.5 nm 0.5 second scan (NIST 2034), < ± 0.2 nm @ 486.0 and 656.1 nm
7	Wavelength reproducibility	< ± 0.02 nm ten consecutive scans (NIST 2034)
8	Wavelength slew rate	About 6,000 nm/min
9	Wavelength scanning speed	3,000 to 2 nm/min
10	Lamp interchange wavelength	Automatic interchange linked to wavelength. The interchange wavelength can be set freely in the range of 295 to 364 nm (0.1 nm increments).
11	Photometric system	Double beam optics
12	Photometric accuracy	< ± 0.005 A @440.0, 465.0, 546.1, 590.0, and 635.1 nm, 1 A (NIST 930e). < ± 0.01 A @ 235, 257, 313, 350, 430 nm.(potassium dichromate, EP method)
13	Photometric range	Absorbance: - 4 to 4 Abs Transmittance: 0% to 400%
14	Photometric noise	< 0.00005 Abs (700 nm)
15	Photometric repeatability	< ± 0.001 Abs @ 0.5 Abs, < ± 0.001 Abs @ 1.0 Abs, < ± 0.003 Abs @ 2.0 Abs
16	Photometric stability	< 0.001 A/h @ 0 A, 340 nm, after 1 hr warm up, measured over 1 hr, every 5 seconds, constant ambient temp.
17	Baseline stability	< 0.0003 Abs/hr (700 nm, 1 hr after light source turned ON)

18	Baseline flatness	< 0.001 A 0.5 second blank, 0.5 second scan, rms	
19	Light source	20 W halogen lamp and deuterium lamp. Built in light source auto position adjustment.	
20	Monochromator	Blazed holographic grating in Czerny-Turner mounting	
21	Detector	Silicon photodiode	
22	Typical scan time	1.5 second, full range	
23	Shortest scan time	0.1 second, full range	
24	Time until next scan	0.1 second, full range, 0.1 second scan, up to 150 consecutive scans	
25	Operating temperature	0 to 50 °C	
26	Non-Operating temperature	40 to 70 °C	
27	Humidity	< 95%, @ 25 to 40 °C	
28	Power requirements	Line voltage	90 to 264 V AC
		Line frequency	47 to 63 Hz
		Power consumption	70 VA typical
29	Documentation	IQ, OQ, PQ and supporting documents (calibration and validation certificates) required	
30	Agency approvals	CE certification required	
31	Warranty	Warranty certificate required	

9. SPECIFICATION FOR WATER BATH

S.No.	Specification	
	Make	Julabo/Thermo Scientific/StableTemp/Labocon
1	Temperature range	0 to 100°C
2	Max. temperature	99.9°C
3	Temperature stability	±0.2 °C
4	Display resolution	0.1 °C
5	Temperature display	LED

6	Heating capacity (kW)	2
7	Filling volume (L)	5 to 20
8	Ambient temperature	5 to 40 °C
9	Power supply	230V/50 to 60Hz, 115V/60Hz
10	Documentation	IQ, OQ, PQ and supporting documents (Calibration certificates) required.
11	Agency approvals	CE certification required
12	Warranty	Warranty certificate required

10. SPECIFICATION FOR WEIGHING BALANCE (3KG)

S.No.	Specification	
	Make	Mettler toledo/Sartorius/Shimadzu
1	Maximum capacity (g)	3200
2	Readability (g)	0.01
3	Repeatability (sd)	0.01g
4	Linearity	0.02g
5	Typical Stabilisation time	1s
6	Typical Measurement time	≤ 2s
7	Minimum sample weight	1.5g
8	Operation	Key touch function
9	Protection class	IP rating must be required
10	Interface	RS232
11	Display	Graphic/LCD display
12	Calibration	Auto calibration should be required
13	Level indicator	Should be required
14	Electromagnetic compatibility and Chemical resistant	The equipment should be resist to various chemicals.
15	Power requirement	230V, 50/60Hz Single phase

16	Agency approvals	CE certification required
17	Documentation	IQ, OQ, PQ and documents, calibration certificates required
18	Warranty	Warranty certificate required

11. SPECIFICATION FOR WEIGHING BALANCE (220G)

S.No.	Specification	
	Make	Mettler toledo/Sartorius/Shimadzu/Cole-Parmer
1	Maximum capacity (g)	220
2	Readability (g)	0.0001
3	Repeatability (sd)	0.1mg
4	Linearity	0.2mg
5	Typical Stabilisation time	2s
6	Typical Measurement time	≤ 1s
7	Minimum sample weight	0.12g
8	Operation	Key touch function
9	Protection class	IP rating should be required
10	Interface	RS232
11	Display	High contrast/Graphic/LCD display
12	Calibration	Auto calibration required
13	Level indicator	Should be required
14	Electromagnetic compatibility and chemical resistance.	The equipment should resist to various chemicals
15	Housing material	High grade chemical resistant die cast aluminum housing
16	Operating temperature and humidity limits	5 to 40°C and 20 to 85%
17	Power requirement	230V, 50/60Hz
18	Agency approvals	CE certification required

19	Documentation	IQ, OQ, PQ and documents, calibration certificates required
20	Warranty	Warranty certificate required

ANNEXURE- II
Bid data Sheet

S.no	Description	Details
1	Bid reference number	HBL/TENDER/RD-HIB/EQUIP/017/13-14 dated 01.02.2014
2	Due date for submission	17.02.2014 @ 15:00 Hrs
3	Name & Address of bidder	
5	Year of establishment	
6	Type of the firm	Public Ltd/Pvt Ltd./Partnership/Regd firm
8	Name & Address of Directors/Partners	1. 2. 3.
7	PAN Number	
8	Contact Phone-Office	
9	Cell	
10	Email	
11	Copy of MOA/partnership deed/Registration	Attached/Not Attached
12	Copy of PAN of Directors/Partners	Attached/Not Attached
13	Latest IT return statement	Attached/Not Attached
14	Past three years P&L, Balance Sheet	Attached/Not Attached
15	All pages of bid document duly sealed and signed by the authorized person	Attached/Not Attached
16	Power of Attorney/Authorization to sign the bid	Attached/not Attached
17	Manufacturer's authorization letter	Attached/not Attached
18	EMD (in favor of HLL Biotech Limited in the form of Demand Draft / Banker's cheque from a Nationalized or Scheduled bank, payable at Chennai)	Attached/Not Attached

ANNEXURE- III

Number of projects for which Equipments (As per Annexure-I-Technical specification) were supplied & installed in the last TWO years (Item –wise separately to be enclosed)

Item:.....

Sl. No.	Name and location of the Project	Name and address of the Client	Project Details		Completion Date
			Details of the items supplied	Project Value Rs Lakhs	
1					
2					
3					
4					
5					
6					

Satisfactory completion certificate from the client to be attached.

ANNEXURE- IV

BID REF No: HBL/TENDER/RD-HIB/EQUIP/017/13-14 dated 01.02.2014

BID FORM

(Item –wise separately to be enclosed)

Item:.....

Having examined the bidding documents, including amendments of which is hereby acknowledged, we, the undersigned, offer to execute the contract including the supply and delivery of the goods (FOR HBL Site or DDP HBL Site) in full conformity with the said bidding documents for the sum of:

In Fig:

IN WORDS

(Hereinafter called “the Total Bid Price”) or such other sums as may be determined in accordance with the terms and conditions of the Contract. The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.

We undertake, if our bid is accepted, to execute the contract in accordance with the delivery schedule specified in the schedule of requirements.

If our bid is accepted, we undertake to provide a performance security in the form, in the amounts, and within the times specified in the Bidding Documents.

We agree to abide by this bid, for the Bid Validity Period specified in the Bid Data Sheet and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until the formal final Contract is prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated:

Signed by:

In the capacity of

ANNEXURE V - A
PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN
ORIGIN LOCATED WITHIN INDIA

ITEM:

1	2	3	4	5				6		
				PRICE PER UNIT (RS.)						
SCHEDULE	BRIEF DESCRIPTION OF GOODS	COUNTRY OF ORIGIN	QUANTITY (Nos.)	EX - FACTORY/ EX - WAREHOUSE/ EX-SHOWROOM /OFF - THE SHELF (A)	EXCISE DUTY (IF ANY) [%AGE & VALUE] (B)	SALES TAX (IF ANY) [%AGE & VALUE] ©	PACKING AND FORWARDING CHARGES (D)	INCIDENTAL SERVICES (INCLUDING INSTALLATION & COMMISSIONING, SUPERVISION, DEMONSTRATION, TRAINING, DOCUMENTATION AND QUALIFICATION) AT THE CONSIGNEE'S SITE - E)	UNIT PRICE (AT CONSIGNEE SITE) BASIS (G) =A+B+C+D+E	TOTAL PRICE (AT CONSIGNEE SITE) BASIS (RS.) 4 X 5(G)
								AT FREE OF COST		

NB: Unit price shall be written in figures and words

Total Tender price in Rupees:

IN WORDS:

NOTE: -

If there is a discrepancy between the unit price and total price, then the unit price shall prevail.

Name _____
Business Address _____
Place: _____
Date: _____

Signature of Tenderer _____
Seal of the Tenderer _____

ANNEXURE V - B

PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

ITEM:

1	2	3	4	5								6
SCHEDULE	BRIEF DESCRIPTION OF GOODS	COUNTRY OF ORIGIN	QUANTITY (Nos.)	PRICE PER UNIT (CURRENCY)								TOTAL PRICE ON DDP BASIS AT CONSIGNEE'S SITE 4X 5 (H)
				FOB VALUE	INSURANCE & FREIGHT	NET CIP PORT OF DESTINATION BY AIR/SEA (A+B)	CUSTOM DUTY AMOUNT AS % OF NET CIP (AS APPLICABLE) **	CUSTOM CLEARANCE & HANDLING CHARGES **	LOADING / UNLOADING / INLAND TRANSPORTATION / INSURANCE & INCIDENTAL COST TILL CONSIGNEE'S SITE **	INSTALLATION, COMMISSIONING, SUPERVISION, DEMONSTRATION, TRAINING DOCUMENTATION AND QUALIFICATION AT THE CONSIGNEE'S SITE **	UNIT PRICE ON DDP BASIS AT CONSIGNEE'S SITE (C+D+E+F+G)	
				(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
										AT FREE OF COST		

** TO BE PAID IN INDIAN CURRENCY (RS.)

TOTAL TENDER PRICE IN FOREIGN CURRENCY (NET CIP) IN FIGURES:

AND IN WORDS:

NOTE: -

1. IF THERE IS A DISCREPANCY BETWEEN THE UNIT PRICE AND TOTAL PRICE THE UNIT PRICE SHALL PREVAIL.
2. THE TENDERER WILL BE FULLY RESPONSIBLE FOR THE SAFE ARRIVAL OF THE GOODS AT THE CONSIGNEE SITE IN GOOD CONDITION AS PER TERMS OF DDP AT CONSIGNEE SITE AS PER INCOTERMS.

NAME _____

BUSINESS ADDRESS _____

PLACE: _____

DATE: _____

SIGNATURE OF TENDERER _____

SEAL OF THE TENDER _____