

# **TENDER DOCUMENT**

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

**AT  
VARIOUS LOCATIONS IN MAHARASHTRA**

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

**DECEMBER 2016**

**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/MH-02/2016-17**

**Date : 19-12-2016**

HLL Lifecare Limited (HLL), a Government of India Enterprise is in the process of setting up its Diagnostic Lab facilities at various locations in Maharashtra. 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 as per the following specifications:

Sl. No	Brief Description of Item/Work	Quantity	EMD in Rs.
1	Supply, Installation and Commissioning of various lab equipments and IT Hardware items for setting up of Major and mini diagnostic lab facilities at various locations in Maharashtra		
(1)	Binocular microscope	110 Nos.	75000
(2)	Vertical Autoclave	54 Nos.	45000
(3)	Hot air oven	1 Nos.	1000
(4)	Lab refrigerator	3 Nos.	12000
(5)	Needle destroyer	110 Nos.	5000
(6)	Lab centrifuge	110 Nos.	30000
(7)	pH meter	1 Nos.	1000
(8)	Water bath	1 Nos.	1000
(9)	Refrigerator	109 Nos.	65000
(10)	Incubator	54 Nos.	45000
(11)	Desktop PC	550 Nos.	500000
(12)	Mini Server	57 Nos.	60000
(13)	Major Server	53 Nos.	60000
(14)	Laser Jet Printer	213 Nos.	35000
(15)	Network Switch - 24 Port	110 Nos.	45000

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 - 19-12-2016
- b) Last date and time for receipt of bids - 03-01-2017 up to 15.00 Hrs.
- c) Date and time of opening of bids - 03-01-2017, 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)

Vth Floor, Plot No-86, Sector 11, Kopara Road,

Kharghar, Navi Mumbai,

Maharashtra - 410210

Phone: 022 2087 0667

E-Mail: [sreekumar@lifecarehll.com](mailto:sreekumar@lifecarehll.com), [harikrishnankp@lifecarehll.com](mailto: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 IV & 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 - Delivery Locations.

**11. 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.**

12. 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 with all accessories as per the tender specifications enclosed – req.**

#### **1) Binocular Microscope**

Quantity: 110 Nos.

<b>SI No.</b>	<b>Specifications</b>	
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
6	Stand	Single mold sturdy stand with anti-rust materials. Ergonomic base for hand rest and greater stability.
7	Focusing	Coaxial coarse and fine focus on ball drive system for smooth operation
8	Nosepiece	<ul style="list-style-type: none"><li>• Reverse angle quadruple nosepiece (Ball bearing type) with click stops and rubber grip</li><li>• Nose piece should rotate 360° and Binocular head should be inclined at 30° to 45 °C. Features interpupillary and dioptic adjustment</li></ul>
9	Condenser	Sub stage Abbe condenser NA 1.25 with aspheric lens. Iris diaphragm with blue daylight filter. Rack and pinion movements on metal guides.
10	Illumination	LED
11	Optical Tube	Binocular

## 2) Vertical Autoclave

Quantity: 54 Nos.

Sl.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, safety valve and eject valve
7	Should have 121 <sup>o</sup> C working temperature at 15 to 20 psi pressure
8	Chamber volume should be approximately 20 -25 L
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

## 3) Hot Air Oven

Quantity: 1 No.

Specifications:-

Sl.No	Specifications
<b>1</b>	<b>Description of function</b>
1.1	Hot air oven is required for heating a sample under controlled conditions
<b>2</b>	<b>Operational requirements</b>
2.1	Microprocessor based system temperature controller cum indicator
2.2	Thermostatically/ PID controlled system.
<b>3</b>	<b>Technical Specification</b>
3.1	External: GI powder coated Internal: SS304
3.2	Interior – w x h x d: 400mm x 450mm x 300mm, 50 liters app ( 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.
3.3	Forced air circulation by quiet air turbine/ fan to ensure uniform temperature.
3.4	Temperature variation +/- 2° C.
3.5	Temperature Range – ambient to 250 ° C.
	<b>System, Configuration Accessories, spares and consumables</b>
3.6	Stainless steel Trays – 2 Nos.
3.7	Should provide available spares and consumables
<b>4</b>	<b>Power Supply</b>
4.1	Power input to be 220 – 240 VAC, 50Hz/440V 3 Phase as appropriate fitted with Indian plug
<b>5</b>	<b>Standards and Safety</b>
5.1	Electrical safety conforms to standards for electrical safety IEC-60601/IS-13450
5.2	Manufacturer/Supplier should have ISO certification for quality standards
<b>6</b>	<b>Standards and Safety</b>
6.1	Electrical safety conforms to standards for electrical safety IEC-60601/IS-13450

#### 4) Lab Refrigerator.

Quantity: 3 Nos.

Sl.No.	Specifications	
1	Temperature Range	+1° C to +8° C
2	Capacity	450 Ltrs
3	Inner Chamber	Made of Stainless Steel (22 G), Non corrosive
4	Outer Chamber	Made of Powder Coated CRCA sheet/SS
5	Insulation	CFC free PUF Insulation
6	Control System	Micro Controller based temperature indicator cum controller with digital display and PT 100 sensor. ( $\pm 0.5^{\circ}\text{C}$ accuracy)
7	Refrigeration System	Hermetically Sealed CFC Free Compressor with (Eco Friendly) refrigerant
8	Doors	Double panel Glass Doors/Metal Doors
9	Air Circulation	Motor and blower arrangement to have uniformity of condition under chamber loaded condition.
10	Display	Digital display of temperature, Auto Rechargeable Battery back-up for temperature display, chart recorder and alarm during power failure.(Even if UPS battery fails Temperature display controller and chart recorder should work on direct supply)
11	Trays	Stainless steel perforated trays. There should be provision for tray height adjustment
12	Condenser	Air-cooled condensers with continuous rated fan motor.
13	Other	Castor wheels, MCB, Adjustable Tray Height arrangement. Heavy-duty latch with lock & key
14	Quality Accreditations	Preferably FDA/CE/BIS approved. Manufacturer should have ISO certification.
15	Power	230 V AC single phase 50Hz.

#### 5) Needle Destroyer

Quantity: 110 Nos.

Sl.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.

## 6) Lab Centrifuge

Quantity: 110 Nos

Sl.No	Specifications
1	Should have a maximum speed of >3500 RPM with stepless regulator
2	Should be supplied with safety lid and lock.
3	Should have digital speedometer and timer.
4	Should have imbalance detector and automatic cutoff.
5	Standard mark on quality and safety is Compulsory.
6	Should work on 200-240Vac 50Hz power supply.
7	Should have swing out rotor of size 8*15ml
8	Should have 8 wells

## 7) pH Meter

Quantity: 1 No

Sl. No	Specifications
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

## 8) Water Bath.

Quantity: 1 No.

Sl. No	Specifications
<b>1</b>	<b>Description of function</b>
1.1	Temperature should be controlled at increments of $1^{\circ}\text{C}$ or less and is controlled from room temperature to $60^{\circ}\text{C}$ with an accuracy of $\pm 1^{\circ}\text{C}$
<b>2</b>	<b>Technical specification</b>
2.1	Should be rectangular & volume within 20-25 L
2.2	Should be double walled chamber with inner chamber made of stainless steel and the outer is made of thick sheet and duly power coated.
2.3	The cavity between two chambers should be filled with high quality mineral glass wool.
	Temperature should be controlled at increments of $1^{\circ}\text{C}$ or less and is controlled by



	thermostat from room temperature to 100° c with an accuracy of $\pm 1^{\circ} \text{C}$
<b>2.4</b>	Heating should be provided with immersion type heater 100 watts capacity
<b>2.5</b>	Should provide with a microprocessor based variable digital temperature controller with digital display.
<b>2.6</b>	Mercury thermometer to read upto 60° C
<b>2.7</b>	Easy to maintain ,corrosion resistant construction
<b>2.8</b>	Should have over temperature protection
<b>3</b>	<b>Accessories, spares and consumables</b>
<b>3.1</b>	Should be supplied with removable stainless trays for accomadating test tubes to fit the water bath
<b>3.2</b>	<b>Standard, safety and training</b>
<b>3.3</b>	The manufacturer should have ISO certification
<b>3.4</b>	Warranty as per tender condition.
<b>4</b>	<b>Documentation</b>
<b>4.1</b>	Two numbers of complete User /technical /maintenance manuals to be supplied in English (soft copy& hard copy). The manual should indicate complete functional circuit diagram.
<b>4.2</b>	Certificate of calibration and inspection from factory.

## 9) Refrigerator

Quantity: 109 Nos.

SI No.	Specifications
1	Standard single door refrigerator, Free standing
2	Minimum 400 Litres capacity (~100 ltrs. Freezer capacity)
3	BEE 4 star rated and above, Stabilizer free operation on 230V AC Supply
4	Minimum 5 nos. adjustable racks
5	Manufacturer Warranty : Min. 5 Years for Compressor, Min.1 year for product

## 10) Incubator

Quantity: 54 Nos.

SI No.	Specifications	
1	Temperature Range	5 to 60°C
2	Temperature Accuracy	+ / - 0.5°C
3	Temperature Uniformity	+ / - 0.5°C
4	Power	220 Volt
5	Temperature Control	Microprocessor Control

6	Power Failure Alarm	Optional
7	Cabinet	M.S. Steel Powder Coated
8	Inner Chamber	304 Stainless Steel
9	Shelves	1 to 5 Stainless Steel
10	Insulation	Polyurethane Foam
11	Glass Door	Optional
12	Inner Clear Door	Yes
13	Cooling	CFC Free
14	Refrigerant	R134a
15	Heating System	S. S. Nichrome Wire Air Heater
16	Air Circulation	Fan or Blower
17	Door Lock	1
18	Interior Light	Yes
19	Display	LED / LCD

### 11) Desktop PC

Quantity: 550 Nos.

SI No.	Specifications
1	Intel Core i3 - 4th Gen
2	4 GB RAM
3	500GB HDD
4	Windows 8.1 or above, Licensed Version
5	18.5' LED Monitor
6	Ms Office 2010 licensed
7	Antivirus Software licensed package

### 12) Mini Server

Quantity: 57 Nos.

SI No.	Specifications
1	Intel Core i5 processor
2	8 GB RAM
3	1 TB HDD
4	Windows 8 Pro
5	SQL Server Express Edition
6	MS Office Standard
7	Antivirus Software licensed package

### 13) Major Server

Quantity: 53 Nos.

SI No.	Specifications
1	Antivirus Software licensed Package
2	Intel Core i7 processor
3	16 GB RAM
4	1 TB HDD
5	Windows 8 Pro
6	SQL Server Express Edition
7	MS Office Standard\

### 14) Laser Jet Printer

Quantity: 213 Nos.

#### Specifications

Monochrome Laserjet Printer (Single Function);  
HP Laserjet 1020 or Canon LBP2900;  
Printing resolution: 600 dpi (minimum), Printing speed: 12 +/-2 pages per minute (minimum).  
The equipment should be supplied with first charge of consumables and all accessories complete.

### 15) Network Switch

Quantity: 110 Nos.

Type: 24 - Port Manageable Network Switch

**Specifications :** 24 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

Model: D-Link DES-1210-28P or Equivalent

## **GENERAL CONDITIONS**

1. The equipment should be complete with all accessories and interconnections.
2. 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.
3. 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)
4. The supplier should specify necessary utility requirements for equipment.
5. The supplier should submit necessary test certificates as per relevant standards of material used, free of cost.
6. 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, Operation & Maintenance Manual, Installation Manual, Troubleshooting Manuals, Guarantee Certificate
  - c) Any other related documents
7. Any deviations from the bid documents shall be clearly indicated.
8. 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 VI** within **four weeks** from the date of issue of the Letter of Intent or Supply Order.

**4) PAYMENT TERMS:**

100% payment within 30 days of supply, installation and successful commissioning of the items at the specified **HLL site**.

**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) 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.

## **7) 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.

## **8) 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>
1	Binocular microscope	110	Nos.		
2	Vertical Autoclave	54	Nos.		
3	Hot air oven	1	Nos.		
4	Lab refrigerator	3	Nos.		
5	Needle destroyer	110	Nos.		
6	Lab centrifuge	110	Nos.		
7	pH meter	1	Nos.		
8	Water bath	1	Nos.		
9	Refrigerator	109	Nos.		
10	Incubator	54	Nos.		
11	Desk top PC	550	Nos.		
12	Mini Server at Mini labs	57	Nos.		
13	Major Server at Major Labs	53	Nos.		
14	Laser Jet Printer	213	Nos.		
15	Network Switch - 24 Port	110	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**  
**PROPOSED MAJOR LAB (52 LOCATIONS) & MINI LAB (57 LOCATIONS) IN**  
**MAHARASHTRA**

District	SI No.	Location of Lab	ITEM NUMBER & QUANTITY														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
THANE / PALGHAR	1	Thane	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	2	Dahanu	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	3	Jawhar	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	4	Shahapur	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
RAIGAD(ALIBAG)	5	Kharghar	2	2	1	3	2	2	1	1	1	2	12	0	2	7	2
	6	Raigad (Alibagh)	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	7	Mangaon	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
RATNAGIRI	8	Ratnagiri	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	9	Khed/Kalmbani	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	10	Dapoli	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
NASHIK	11	Nashik	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	12	Malegaon	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	13	Kalwan	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	14	Surgana	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	15	Peint	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	16	Trimbak	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	17	Manmad	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
AHMEDNAGAR	18	Ahmadnagar	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	19	Shevgaon	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	20	Sangamner	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	21	Shringonda	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	22	Jamkhed	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
DHULE	23	Shirpur	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	24	Sakri	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	25	Dhule	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1

District	SI No.	Location of Lab	ITEM NUMBER & QUANTITY														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
JALGAON	26	Jalgaon	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	27	Chopda	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	28	Bhadgaon	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	29	Muktianagar	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
NANDURBAR	30	Nandurbar	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	31	Dhadgaon	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
PUNE	32	Pune	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	33	Baramati	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	34	Ambegaon	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	35	Indapurh	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	36	Shirur	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	37	Wadgaon	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
SOLAPUR	38	Pandharpur	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	39	Solapur	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	40	Barshi	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
KOLHAPUR	41	Gadhinglaj	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	42	Kolhapur	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	43	Chandgad	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
SANGLI	44	Sangli	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	45	Jath	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
SATARA	46	Satara	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	47	Karad	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	48	Khandala	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	49	Dahiwadi	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
SINDHUDURG	50	Sindhudurg (Kudal)	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	51	Kankawali	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	52	Sawantwadi	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	53	Talere	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1

District	SI No.	Location of Lab	ITEM NUMBER & QUANTITY														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
AURANGABAD	54	Vaijapur	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	55	Aurangabad	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	56	Sillod	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	57	Kannad	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	58	Gangapur	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
HINGOLI	59	Hingoli	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
JALNA	60	Jalna	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	61	Jafrabad	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	62	Mantha	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
PARBHANI	63	Parbhani	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
BEED	64	Beed	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	65	Parali	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	66	Manjlegaon	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
LATUR	67	Latur	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	68	Udgir	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
NANDED	69	Nanded	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	70	Mukhed	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	71	HimayatNagar	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	72	Umri	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
OSMANABAD	73	Osmanabad	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	74	Umerga	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	75	Tuljapur	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	76	Paranda	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
AKOLA	77	Akola	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	78	Akot	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1

District	SI No.	Location of Lab	ITEM NUMBER & QUANTITY														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
AMRAVATI	79	Amravati	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	80	Achalpur	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	81	Warud	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	82	Dharni	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
BULDHANA	83	Buldhana	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	84	Khamgaon	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	85	Mehakar	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
YEOTMAL	86	Kelapur	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	87	Karanji	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	88	Yeotmal	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
NAGPUR	89	Nagpur	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	90	Umred	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	91	Ramtek	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
BHANDARA	92	Bhandara	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	93	Tumsar	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	94	Lakhandur	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
CHANDRAPUR	95	Chandrapur	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	96	Chimur	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	97	Warora	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
GADCHIROLI	98	Gadchiroli	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	99	Aheri	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	100	Kurukheda	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	101	Etapalli	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
	102	Sironcha	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
GONDIA	103	Gondia	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	104	Deori	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
WARDHA	105	Wardha	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	106	Hinganghat	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	107	Karanja	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1
WASHIM	108	Washim	1	1	0	0	1	1	0	0	1	1	6	0	1	2	1
	109	Karanja	1	0	0	0	1	1	0	0	1	0	4	1	0	2	1