

## TENDER ENQUIRY NOTICE

HLL/ID/CDIO-Med Equip/2015-16 /

14.05.2015

**Name of Work :Supply of Double Door Autoclave-150 litre at Micro Biology lab with BSL II facility at CDIO, Palode, Trivandrum (Phase II)**

Limited tenders are invited on behalf of the Chief Disease Investigation Officer (CDIO), Palode, Trivandrum for the Supply of Double Door Autoclave-150 litre at Micro Biology lab with BSL II facility at Palode (Phase II). **The specification for the Double Door Autoclave-150 litre is enclosed herewith as Annexure I & Price schedule as Annexure II.**

**Address to which the offers are to be submitted:**

**Deputy Vice President (Technical)**

HLL Lifecare Limited

“ADARSH”, TC - 6/1718 (1)

Vettamukku, Thirumala P O

Thiruvananthapuram - 695 006

Ph : 0471 - 2365872/73

Fax: 0471 - 2368144

**Submission of Offer**

The offer shall be submitted in single bid system. *The offer should be submitted in a sealed envelope superscribing “Supply of Double Door Autoclave-150 litre at Micro Biology lab with BSL II facility at Palode (Phase II).”*

**Last date and time of Receipt of offers :21.05.2015 11.00 am.**

**Date and time of Opening of Offers :21.05.2015 11.30 am**

**Payment terms**

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

- a) On delivery:

75 % payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Consignee Receipt Certificate as per in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by HLL.
- (v) Certificate of origin.

**b) On Acceptance:**

Balance 25 % payment would be made after satisfactory completion against 'Final Acceptance Certificate' of goods/equipments to be issued by the consignees and endorsed by HLL subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.

**The address to which the of Double Door Autoclave-150 litre have to be supplied is as follows:**

CHIEF DISEASE INVESTIGATION OFFICE  
PACHAP.O  
PALODE  
THIRUVANANTHAPURAM -  
PIN 695 562  
0471-2302283

**Delivery period**

The Double Door Autoclave-150 litre shall be supplied within **1 month** from the date of supply order.

**Other Conditions**

1. Warranty should be for minimum 2 years from the date of final acceptance of Double Door Autoclave-150 litre and the Warranty has to be given in the name of client.

**Performance Security**

2. Within Fifteen (15) days from date of the issue of purchase order the successful bidder, shall furnish performance security for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations.

3. Demo of equipments and sample of instruments should be arranged when asked for

4. Earnest Money of Rs. 24,000/- has to be submitted along with the tender in the form of a Demand Draft/ Fixed Deposit Receipt (FDR) of a scheduled bank issued in favour of HLL Lifecare Limited, Thiruvananthapuram which should be placed in a separate sealed cover marked "Earnest Money" shall be submitted along with the tender.
5. The rate quoted should be inclusive of all taxes, duties, transport, loading and unloading up to consignee site.
6. The tenderer shall submit the compliance for technical specifications. The make and Model should also be attached along with the bid.
7. The original Literature or the relevant part of the user/service manual should be attached as proof.
8. The offer shall be valid for 3 months.
9. The invoice/ bills shall be raised in the name of "The Chief Disease Investigation Officer, a/c HLL Lifecare Ltd" and the same shall be submitted to the HLL Engineer in charge.
10. TIN no. of HLL should not be mentioned in any of the documents as HLL is acting on behalf of the client in the capacity of consultant alone.
11. The completed works shall be handed over to the client after due verification by HLL Engineer in Charge.
12. **The bidders should seal and sign the Tender Enquiry Notice and should be submitted along with the offer.**

**Deputy Vice President (Tech)**

**HLL Lifecare Limited**

## Annexure I

|           |   |
|-----------|---|
| <b>1</b>  | <b>DOUBLE DOOR AUTOCLAVE -150 LITRE</b>   |
| <b>SN</b> | <b>SPECIFICATION</b>  |
|           | Should be microprocessor/PLC controlled double Door Horizontal steam sterilizer with capacity of 150 liter or more.   |
|           | When program is selected, then no further intervention is required from operator till the end of the program.   |
|           | Bidder will be responsible for Supply,Installation,testing and Commissioning of Autoclave including termination of steam venting pipe to atmosphere & drainage pipes.   |
|           | Door: The sterilizer should be supplied with pressure locking type manual hinged door.  |
| <b>1</b>  | <b>Construction:</b>  |
| 2.1       | Chamber & Doors: Inner chamber & Door should be made up of SS 316 and Outer cover should be made up of SS 304.  |
| 2.2       | Surface Treatment: The internal surface should be electro-chemically treated for high quality smooth finish to facilitate cleaning. The resultant surface should be polished to less than 0.8 µm fineness to protect against corrosion. The internal corners should be rounded off to facilitate efficient cleaning.            |
| 2.3       | Insulation: The sterilizer jacket and door should be completely insulated with mineral rock wool to keep the autoclave cool on the outside.   |
| 2.4       | Jacket: The jacket should be made of SS304 quality stainless steel.   |
| 2.5       | Steam Generator: The sterilizer should have inbuilt steam generator of adequate capacity. It should be mounted under the sterilizer chamber & should be made of 304 quality stainless steel. It should have a built in thermostat, pressure safety valve & water level glass gauge inspection device visible from service area. |
|           | <b>Door Safety Systems:</b>   |
| 1.1       | Pressure sensor system should be available in the chamber to monitor the chamber pressure.  |
| 1.2       | Door chamber should not be opened when chamber is pressurized.  |
| 1.3       | A cycle should not start if the door is open or not properly locked.  |
| 1.4       | Double door safety is implemented through interlocks which prevent both doors from being opened simultaneously.   |
| 1.5       | The door seal should be made of silicone rubber gasket & on commencement of the process the door gasket is pressed against the door by steam pressure to ensure that the door remains closed during the process.  |
| <b>3</b>  | <b>PIPES VALVES &amp; COMPONENTS:</b>   |

|          |   |
|----------|---|
| 3.1      | The piping system should be made of S.S. 316 quality. All the process valves should be stainless steel & should be pneumatically operated piston valves for longer trouble free operations. All the non standard components should be non proprietary & should be easily sourced. All the hot pipes should be properly insulated. Only the safety valves should be made of brass.                             |
| 3.2      | Primary piping & fittings should be stainless steel threaded or stainless steel triclamp fittings.  |
| 3.3      | Primary components: 316 quality triclamps or threaded fitting components like - Manual valve, non-return valve, pressure regulator, pneumatic valves, and steam trap etc.   |
| 3.4      | Electrical Components: the terminals & contractors should be housed in a water tight cabinet while the other electrical component should be directly mounted on sterilizer.   |
| <b>4</b> | <b>TEMPERATURE AND PRESSURE SENSORS:</b>  |
| 4.1      | The sterilizer should have temperature sensors for temperature monitoring.  |
| 4.2      | Unit should be provided with extra connector facility to put temperature probe for validation.  |
| 4.3      | The device should have analogue/digital pressure monitoring.  |
| <b>5</b> | <b>ALARMS:</b>  |
| 5.1      | Automatic process checking & failure correction should be possible by the control system. The range of alarm should include over Temperature , pressure sensor failure, phase time-out, doors not properly closed, power failure (less than 10 sec should be ignored), Continuous self checking of all the safety devices, low water level etc should be possible. All the alarms should be audio and visual. |
| <b>6</b> | <b>CYCLE DOCUMENTATION - PRINTER:</b>   |
| 6.1      | The autoclave should be equipped with printer which prints the each cycle parameter performed by the sterilizer.  |
| <b>7</b> | <b>Available Cycles:</b>  |
| 7.1      | The sterilizer should work with various programs which are user selectable. Apart from standard cycles, special cycle should be programmed by an authorized supervisor code only.   |
|          | Programs includes:  |
|          | Wrapped Instruments, Porous load 134 <sup>0</sup> C   |
|          | Heat Sensitive material, rubber, plastic, porous load 121 <sup>0</sup> C  |
|          | Cycles suitable for laboratory applications.  |
| <b>9</b> | <b>Distillation Plant</b>   |
| 9.1      | Sterilizer should be supplied with suitable distillation plant  |
| 9.2      | Should be supplied with water tank of capacity of atleast 50 litres.  |
| 9.3      | Bidder shall be resposnisble for installation and commissioning of distillation plant, water tank, and all other necessary plumbing work required for proper working of sterilizer.   |

**Annexure II.**  
**Price Schedule**

| 1        |                            | 2 | 3    | 4                 | 5  |  |  |   |   |   |  | 6  |
|----------|----------------------------|---|------|-------------------|--|--|--|---|---|---|--|--|
| Schedule | Brief Description of Goods |   | unit | Country of Origin | Ex - factor y/ Ex - warehouse /Ex-showroom /Off - the shelf<br>(a) | Excise Duty (if any) [%age & value]<br><br>(b) | Sales Tax/ VAT(if any) [%age & value]<br><br>(c) | Packin g and Forwar ding charges<br><br>(d) | Inland Transpo rtation, Insuranc e for a period includin g 3 months beyond date of delivery, loading/ unloadi ng and Incident al costs till consignee's site<br><br>(e) | Incidental Services (includin g Installation & Commissi oning, Supervisi on, Demonstr ation and Training) at the Consigne e's site<br><br>(f) | Unit Price (at Consignee Site) basis<br><br>(g)<br>=a+b+c+d+e +f | Total Price (at Consignee Site) basis<br><br>(Rs.) |



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| 3 |  |  |  |  |  |  |  |  |  |

**The cost of CMC quoted shall be exclusive of service tax . The service tax shall be extra as applicable.**