

**Ref: HLL/PCD/NIB-LTE-01/16-17/\_\_\_\_\_**

**Date: 15.09.2016**

To  
M/s.....

**Sub: Procurement of “Equipment for Laboratory” for and on behalf of NATIONAL INSTITUTE OF BIOLOGICALS, NOIDA, Ministry of Health & Family Welfare, Government of India.**

**Ref: Tender enquiry no. HLL/PCD/NIB-LTE-01/16-17 dated 15.09.2016**

Sealed quotations are invited from the bonafide suppliers having experience in the field of supplying Laboratory equipment under scope of the referred tender enquiry.

The rate of the equipment should be quoted strictly as per the technical specification, other terms & conditions attached with this limited tender enquiry document.

It is requested to quote the best possible price. The quotations in a sealed envelope should reach this office on or before the stipulated date and time as mentioned in the Tender Enquiry Document enclosed herein.

Thanking You  
For HLL Lifecare Limited

SVP (GB)

Encl: Limited Tender Enquiry Document

**LIMITED TENDER ENQUIRY**

Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of NATIONAL INSTITUTE OF BIOLOGICALS, NOIDA (U.P.) invites sealed tenders, from eligible and qualified tenderers for supply of various laboratory equipment. Eligible bidders are requested to submit their best offer along with complete technical details in line with the commercial Terms & Conditions as detailed below read with Annexure I to X.

❖ **INSTRUCTIONS TO BIDDER (ITB)**

**1. SPECIFIC Instructions for e-Tender Participation:-**

1. Bidders should have valid Class 3 Digital Signature Certificate with encryption.
2. Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
3. The prospective bidders have to register with the E-procurement system of HLL at <https://etender.lifecarehll.com/irj/portal>. On completion of the registration process, the bidders will be provided user ID and password within **07 working days**. In order to submit the bids electronically bidders are required to have a valid Class 3 Digital Signature Certificate (signing and encryption/ decryption certificates).
4. Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
5. **The tenderers shall submit tender fee and EMD in physical form at the scheduled time and venue.**
6. Tenderer may download the tender enquiry documents from the web site [www.lifecarehll.com](http://www.lifecarehll.com) or [www.eprocure.gov.in/cppp](http://www.eprocure.gov.in/cppp) or <https://etender.lifecarehll.com/irj/portal>.
7. The submission of tender online can only be done thru' <https://etender.lifecarehll.com/irj/portal>.
8. Tenderers shall ensure that their tenders complete in all respects, are submitted **online through HLL's e-portal (as described above) ONLY. No DEVIATION is acceptable.**

**IMPORTANT NOTE:-1.** EMD( As applicable) should be deposited in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before **06-Oct-**

**2016,1100 hrs (IST).Submission beyond stipulated date & time would result in REJECTION of BID.**

**2. Bidders not received any direct enquiry from HLL may participate in this tender by downloading the Tender Enquiry from the website [www.lifecarehll.com](http://www.lifecarehll.com) or [www.eprocure.gov.in](http://www.eprocure.gov.in) or <https://etender.lifecarehll.com/irj/portal> with prior intimation to the above address.**

- 2.0 Pre-bid meeting is on 21.09.2016 at 1100 Hrs at HLL Lifecare Ltd., Procurement & Consultancy Services Division B-14A, Sector-62, Noida-201 307, Phone: 0120-4071500; Fax: 0120-4071513. Submission of online bids will end on 06.10.2016 at 1300 Hrs. Technical bids shall be opened on the 06.10.2016 at 1400 Hrs,** in presence of the representative of firm(s) who may choose to be present. Price bids of techno-commercial responsive bidders shall be opened later on with intimation to techno-commercial responsive bidders.
- 3.0 In the event of any of the above mentioned dates being declared as a holiday/closed day for the Tender inviting organization, the tenders will be received/opened on the next working day at the appointed time.
- 4.0 Late tender/telegraphic tenders & tenders over email shall not be considered and no claim, whatsoever will be accepted.
- 5.0 TENDER VALIDITY:**  
The Rates should be valid for acceptance of order at least for **60 days** from the date of opening of Techno-Commercial tender.
- 6.0** The tenderer should sign & stamp each page of this tender enquiry document as a token of having read & understood the terms & conditions contained herein.
- 8.0** The tenderer shall submit an affidavit as per format given in **Annexure-IX**
- 9.0** The Manufacturer or their Authorised agent can participate in this tender. In case the tender is submitted by an agent other than the principal company, a Manufacturer's Authorisation shall be given in the Format as **Annexure-VII**.
- 10.0** The bidder shall provide their past major supplies year wise. The copies of latest/recent Supply orders for supply of Products along with end users certificate for satisfactory performance of the offered product as detailed below:
- (i) The Manufacturer should have supplied and installed in last **Three** years from the date of Tender Opening, at least 100% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily. Order copies with proof of supply/acceptance/installation report shall be considered for items, in case end user satisfactory certificates are not available.
  - (ii) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (i) should have executed at least one contract in the last three years

from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India of the same manufacturer. Order copies with proof of supply/acceptance/installation report shall be considered for items, in case end user satisfactory certificates are not available.

#### **11.0 PRICES:**

- Prices quoted in INR only should be ‘Firm & Final’ for full quantity, inclusive of all levies prepaid up to consignee end, inclusive of all charges like packing & forwarding, loading, unloading, transit insurance, all duties & taxes, any other incidental expenses, installation and commissioning of the equipment at consignee site.
- In case the quotation does not indicate clearly whether the Prices are firm or not, the quoted Price shall be deemed as firm & final. The overwriting should be avoided in the quotation.
- Excise duty, Sales Tax and other levies, if applicable, should be indicated clearly with their present rates. In case applicable taxes, duties etc., are not indicated clearly, it would be assumed that the same are included in the basic rates.
- Octroi / Entry Tax / Tax by local Municipal body shall be re-imbursed at actual if not exempted. Where ever required, the tenderer should obtain the Octroi exemption certificate, road permit & entry tax exemption certificate from the consignee much in advance to avoid payment of such local taxes or duties.
- A certificate indicating that the rates quoted are same as charged to other Govt./PSU’s for similar supplies made in recent past should accompany the bid (with proof of order copies) in support of its price reasonability.

#### **Prices should be quoted clearly as per Price Schedule in Annexure-III.**

#### **12.0 EARNEST MONEY DEPOSIT (EMD):**

- Tenderer shall furnish along with its tender, earnest money for an amount as shown in the ‘**LIST OF REQUIREMENT**’ in **Annexure-I**.
- The earnest money shall be furnished in one of the following forms. EMD furnished in any other form shall not be accepted.
  - (i) **Account Payee Demand Draft**
  - (ii) **Banker’s cheque**
  - (iii) **Bank Guarantee**
- The demand draft or banker’s cheque shall be drawn on any scheduled bank in India, in favour of the “**HLL Lifecare Limited**”, **payable at New Delhi**”.
- If the EMD is submitted in form of Bank Guarantee it should be as per format given in **Annexure-IV**
- **Quotations received without requisite EMD shall be summarily rejected.**
- EMD of unsuccessful tenderers will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after finalization of the resultant contract. EMD of successful tenderer’s will be returned without any interest, after receipt of performance security from that tenderer.
- The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies &

Disposals or with National Small Industries Corporation for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as “to customers’ specification” etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).

**13.0 PRODUCT SPECIFICATIONS:**

**Brand/model** name and type of Product being offered by the Firm must be clearly mentioned in the offer. Tenderer should confirm that the stores offered conform strictly to relevant specifications asked in this Tender Enquiry Document at **Annexure-II**. Deviations, if any, are to be clearly mentioned. Complete product specifications, technical details, illustrations, literature, printed pamphlets/leaflets etc and Manufacturers price list, if any, must accompany the quotation in Envelope1.

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

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

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

**17.0** The firms are advised to submit the compliance statement with respect to technical specification asked in the tender enquiry in the following format along with Technical bid failing which their offer will be treated as incomplete and are liable to be ignored.

Format of compliance statement:

Para of Tender Enquiry specification	Compliance to Tender enquiry Specification Yes/ No (in case ‘Yes’, please mention reference page/Para no. to catalogue/data sheet)	In case of non Compliance deviation From T/E Specification to be indicated in Unambiguous terms
(1)	(2)	(3)

**18.0** Bidders may please note that complete Tender Enquiry Document is available on our website <http://www.lifecarehll.com/tender> or [www.eprocure.gov.in](http://www.eprocure.gov.in) and submit its tender by utilizing the downloaded document.

## ❖ GENERAL CONDITIONS OF THE CONTRACT (GCC)

### 1.0 **INSPECTION:**

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

### 2.0 **DELIVERY PERIOD FOR SUPPLY, INSTALLATION & COMMISSIONING:**

In the event of placement of Supply order, the bidder shall supply the stores **within 60 days** of order. The time and date of delivery stipulated in the schedule shall be deemed to be the essence of the contract and delivery must be completed not later than the date as specified in the contract.

Installation and commissioning, wherever required, shall be completed **within 15 days** of handing over the site of installation complete in all respect by the consignee. The delay on the part of supplier in regard to installation will attract the provisions of liquidity damages clause.

### 3.0 **LIQUIDATED DAMAGES:**

In the event of placement of an order, if the Supplier fails to deliver, install and commission the stores in full or part thereof within the delivery period as stipulated in Clause 2.0 above, the Purchaser reserves the right to levy Liquidated Damages @ 0.5% (Half percent) per week of the amount of the undelivered stores for delay in supplies subject to maximum 5% of value of the supply Order. Once the maximum is reached, the purchaser may consider termination of the contract and purchase the same from elsewhere, at the risk and cost of the Supplier.

### 4.0 **PAYMENT FOR SUPPLY PORTION:**

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

#### **(A) On delivery:**

80% payment of the contract price shall be made on receipt of goods in good condition and upon the submission of the following documents:

- (i) Three copies of supplier's invoice showing supply order number, goods description, quantity, unit price and total amount
- (ii) Consignee Receipt Certificate in original issued by the authorized representative of the consignee(s) (Format attached as **Annexure-V**)
- (iii) Warranty Certificate
- (iv) Inspection Certificate by the designated authority
- (v) Country of origin in case the item is of foreign origin

#### **(B) On Acceptance:**

Balance 20% payment would be made against 'Final Acceptance Certificate' (Format attached as **Annexure-VI**) to be issued by the consignee(s) subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.

**(c) Payment for Annual Comprehensive Maintenance Contract (CMC)/ Annual Maintenance Contract (AMC) Charges:**

The consignee will enter into CMC/AMC with the supplier at the rates as stipulated in the contract. The payment of CMC/AMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 2.5% of the cost of the equipment as per contract in the prescribed format given in **Annexure-VIII** valid till 2 months after expiry of entire CMC/AMC period.

**5.0 TRANSIT INSURANCE:**

Rates quoted being door delivery basis, the Supplier shall be fully responsible till full material is received in good condition up to destination. As such the Supplier shall dispatch the material duly insured and expenses on this account shall be borne by the Supplier.

**6.0 WARRANTY:**

- (a) Products to be offered as per '**LIST OF REQUIREMENT**' shall be warranted for a period mentioned in List of requirement from the date installation. If manufacturers guarantee/warranty stands for longer duration, the longer guarantee/warranty period shall be applicable.
- (b) The Supplier shall be responsible to replace the material free of cost at site in whole or in part if found defective in any respect after receipt at site or during normal & proper usage or storage/maintenance for which the Consignee/Purchaser shall give prompt written notice. Such replacements shall be effected by the Supplier within a reasonable time actually required to do so which in no case shall be more than 15 days.
- (c) The above provisions shall also equally apply to the material replaced by the Supplier under this Clause, in case the same is again found to be defective after its replacement.
- (d) If the Supplier fails to act with requisite promptness and thereby entails avoidable loss to the purchaser, it shall be liable to suitable action as deemed fit during the Operative Warranty period

**7.0 PERFORMANCE SECURITY FOR SUPPLY PORTION:**

In the event of placement of order, within seven (7) days from date of the issue of Supply order by the purchaser, the supplier, shall furnish performance security to the purchaser for an amount equal to ten percent (10%) of the total value of the contract, valid up to two (2) months beyond the period of warranty in the given proforma (Annexure-VIII). Performance security shall be in the form of Account Payee Demand Draft/Fixed Deposit Receipt or Bank Guarantee in favour of "**The Director, National Institute of Biologicals, Ministry of Health & Family Welfare, Govt. Of India, A-32, Sec-62, (Industrial Area), NOIDA - 201309 (U.P.)**".

**8.0 FORCE MAJEURE:**

If at any time, during the currency of the contract, the performance in whole or in part by either party or any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enmity, civil commotion, sabotages, fires, floods, explosions, epidemics, quarantines, restrictions, strikes, lock outs or acts of God (herein after referred to as 'the events') then provided, neither party has any claim for damage against the other in respect of such non-performance or delays in performance, deliveries

under the contract shall be resumed as soon as possible if any of the events have ceased to exist within one month of expiry of contract delivery period. After this, the purchaser may cancel the contract at its discretion without any financial repercussion on either side.

**9.0 APPLICABLE LAW & RESOLUTION OF DISPUTES:**

The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force. Any dispute arising out of or in connection with this tender, Jurisdiction of the court will be at New Delhi, India.



**LIST OF REQUIREMENTS**

**Part I:**

Sl. No	Event no.	Name of the Item	Total Qty	EMD Amount(Rs.)	Warranty	CMC/AMC
1	3000001537	Stability Chamber (2°C to 8°C with RH) Capacity : 250-350 Lt	1	4,500	2 year	AMC-5 year
2	3000001538	Orbital shaker for 96 well plate or Micro Plate Shaker	4	5,200	2 year	AMC-2 year
3	3000001541	Transblot Semidry Blotter	1	6,650	2 year	-
4	3000001542	Gel dryer	1	8,300	2 year	-
5	3000001543	pH Meter	3	3,300	2 year	CMC-2 year
6	3000001544	Furnace	1	8,000	1 year	AMC-3 year
7	3000001545	Orbital Incubator Shaker	1	8,000	3 year	AMC-2 year

**Part II: Required Delivery Schedule:**

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

Installation and commissioning, wherever required, shall be completed **within 15 days** of handing over the site of installation complete in all respect by the consignee.

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

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

**Part IV:**

The supplier shall keep sufficient stock of spares for repair / replacement against warranty during warranty period and supplies to be made against any order within 15 days after completion of warranty for a period of 3 years.

**Part V:**

**Required Terms of Delivery and Destination.**

Delivery required at Consignee Site at:

**The Director, National Institute of Biologicals, Ministry of Health & Family Welfare, Govt. of India, A-32, Sec-62, (Industrial Area), NOIDA - 201309 (U.P.)”.**

Transit Insurance would be borne by the Supplier from warehouse to the consignee site.

**NB: The consignee will ensure timely issue of Entry Tax/ Octroi Exemption Certificates, Road Permits, etc., wherever applicable, to the suppliers.**

TECHNICAL SPECIFICATIONS

Schedule no. 1

<b>SPECIFICATIONS OF STABILITY CHAMBER (2°C- 8°C)</b>	
<b>1</b>	<b>Application-</b> The unit is fully suitable to carry out stability studies for conditions in accordance with ICH Q1A guidance for real time conditions such as 5°C
<b>2</b>	<b>Capacity-</b> 250 - 350 lit. (Approximate). Vertical upright model
<b>3</b>	<b>Dimension-</b> Internal (approx.): H x W x D 780 x 600 x 680 mm External (Approx.): H x W x D 1300 x 960 x 810 mm
<b>4</b>	<b>Construction-</b> Doubled walled chamber with PUF insulation. Interior is made of SS 304 and Exterior is either made of Mild steel powder coated or stainless steel 304. Full length inner glass door to view stored samples and outer metal door with leak proof gasket high density for polyurethane foam or equivalent gasket, lock & key with a provision of door handle for easy opening. PU wheels for easy movement. Stainless steel trays for sample loading. Forced air circulation to maintain uniformity with quick recovery $\pm 1^{\circ}\text{C}$ .
<b>5</b>	<b>Control System-</b> Complete operations driven through PLC with data storage capacity of upto 1000 readings & facility to send email alerts directly from the PLC Software to be provided which is FDA approved and with 21 CFR compliance Temperature controller with Ethernet communication. Printer interface facility and PC communication with static IP address. The temperature controller should be microprocessor based with digital LCD display mentioning date and time The temperature control resolution should be better than $0.5^{\circ}\text{C}$
<b>6</b>	<b>Heating System-</b> Long lasting Nichrome wired U-shaped SS tubular heaters with SS fins
<b>7</b>	<b>Sensor-</b> High quality Imported make Temperature with four (n=4) sensor with 4-20 mA output
<b>8</b>	<b>Cooling System-</b> Imported make CFC free cooling system consists of hermitically sealed compressor coupled with evaporation coil and condenser. It is safe guarded by time delay circuit. Refrigerant 134A
<b>9</b>	<b>Alarms-</b> Audio-visual alarms for Temperature deviations (High & Low), Door Open, Component Circuit Error, Mains failure Alarm to have battery backup in any event of system/power failure
<b>9</b>	<b>Safety-</b> Safety devices for Temperature Overshoot & Temperature Undershoot, Delay Timer to safeguard the compressor, MCB to cut off over current supply, Surge arrester to filter electrical noise.
<b>10</b>	<b>Electrical Supply-</b> 230 Volts, 50 Hz mains supply
<b>11</b>	<b>Temperature Range-</b> $2^{\circ}\text{C}$ to $8^{\circ}\text{C}$ , factory preset at $5^{\circ}\text{C}$ with increments of $0.1^{\circ}\text{C}$
<b>12</b>	<b>Temperature Accuracy-</b> $\pm 0.2^{\circ}\text{C}$
<b>13</b>	<b>Temperature Uniformity-</b> $\pm 1^{\circ}\text{C}$

<b>14</b>	<b>Safety Alarms/Safety Display-</b> System should have digital displays for the set/run parameters. System should have audible/ and visual warnings for temp. Over shoot and undershoot, power failure and door open.
<b>15</b>	<b>Compliance-</b> Chambers connected on TCP/IP (Ethernet) with the centralized work station and transferring data in database. This centralized work station provides the tool for viewing, trending and alarm management of chambers. It should have date and time/temp audit trails and complies to US FDA 21 CFR Part 11
<b>16</b>	<b>Standards and Safety-</b> Should comply to FDA or CE/ISI certified or equivalent standard of repute
	Should comply with WHO/UNICEF
	Should comply with international electromagnetic compliance standards like IEC OR EMC directives
	Electrical safety should conforms to IEC standards for electrical safety
<b>17</b>	<b>Documentation-</b> User/ Technical/ Maintenance manuals to be supplied in English
	Certificate of calibration and inspection from Manufacturer
	List of important spare parts and accessories for 2 years inventories
	The vendor should provide IQ, OQ, PQ at the time of installation as per WHO specifications. DQ to be provided for approval before the supply of material
<b>18</b>	<b>Validation-</b> 3 cycles each of 24 hours for both, empty & loaded conditions (incl. 3 Power Failure & 3 Door Failure Alarm)
<b>19</b>	<b>Compressor-</b> Minimum 10 years warranty, preferred make Ingersoll rand, Didzer, Bingshan, Carrier Aircon, Trane, Emerson with traceable document.
<b>20</b>	<b>With UPS, PC and printer-</b> Computer to be provided with colour printer, operational software and UPS to avoide the damage to equipment due to voltage fluctation. Suitable UPS with maintenance free battery for minimum 1 hr backup should be supplied with system
<b>21</b>	<b>Training-</b> Comprehensive training for lab staff and support service till familiarity with systems

**Schedule no. 2**

**Technical Specifications of Orbital Shaker for 96 well plates or Microplate Shaker**

<b>S.N.</b>	<b>Parameter</b>	<b>Details</b>
1.	General	Suitable for 96 well microplates /deep well with digital display. Suitable for cold room or incubator use. Should be with holder for 04 microplates.
2.	Speed	10 to 1500 rpm
3.	Orbital Diameter	2mm to 5mm
4.	Operating temp Range	+5°C to 40°C
5.	Capacity	Upto 04 microplates/deep well plates
6.	Timer	1min to 99 hrs/continuous
7.	Power supply	Power input to be 220-240VAC, 50Hz fitted with Indian plug
8.	Documentation	IQ, OQ & PQ.
		Manufacturer should have ISO certification for quality standards.
		Should be FDA or CE approved product.
		Certificate of calibration and inspection from factory
9.	Warranty/AMC	Warranty – 2yrs. AMC for 02 years after Warranty

**Schedule no. 3**

<b><u>SPECIFICATIONS OF MINIFOLD TRANS BLOT SEMIDRY</u></b>	
<b>Description:</b> Equipment of Trans Blot is required for the western blot of protein samples	
<b>1</b>	<b>Dimensions-</b> Approx. 29 × 29 × 4 cm
<b>2</b>	<b>Transfer Area-</b> Approx. 21 × 21 cm
<b>3</b>	<b>Voltage Limit-</b> 100 VDC
<b>4</b>	<b>Lid &amp; Base Material-</b> Acrylic
<b>5</b>	<b>Anode Conductive Plate-</b> Platinum-coated titanium
<b>6</b>	<b>Cathode Conductive Plate-</b> Polished stainless steel
<b>7</b>	<b>Operating Temperature-</b> 4-40°C
<b>8</b>	<b>Cables-</b> Insulated copper conductors
<b>9</b>	<b>Ready to use Starter consumables-</b> At least for 5 runs
<b>10</b>	<b>Dry Blot-</b> 4 blotting frames Ready to use Starter consumables-
<b>11</b>	<b>Run Time-</b> Approx. 30-60 min
<b>12</b>	<b>Protein transfer-</b> Allows protein transfer in a horizontal configuration without buffer tank or gel cassettes
<b>13</b>	<b>Performance verification-</b> 100 VDC
<b>14</b>	<b>Performance verification (OQ/ &amp; or PQ)-</b> At the time of installation (by vendor)
<b>15</b>	<b>Calibration-</b> by vendor
<b>16</b>	<b>Power Supply-</b> In built
<b>17</b>	Electrical safety conforms to standards for electrical safety IEC-60601/IS-13450
<b>18</b>	List of important spare parts and accessories with part no. and costing
<b>19</b>	User manual in English
<b>20</b>	Onsite comprehensive training of lab staff and support service till customer satisfaction with system

#### **Schedule no.4**

#### **Specification for gel dryer**

1. Gel support should be Porous polypropylene/Polyethylene ; average pore size of 120um
2. Drying surface should be large enough (350mm\*450mm) to fit upto 10 gels (10\*7.5 cm), 2 large format gels (20\*20), or 1 sequencing gel.
3. Dryer should have preprogrammed drying cycles to provide optimum drying for different type of gels (PAGE, sequencing etc.).
4. Should have Precision-controlled temperature regulation to reduce thermal stress and help prevent gel cracking.
5. Design should ensure uniform heating for speed drying.
6. Should operate at temperature range 50 to 80°C.
7. Should have memory to recall the previous setting to use for the next run.
8. LED Display should display temperature and time, indicating exact dryer temperature and remaining time
9. Easy support to lift fragile gels from glass plates
10. Transparent sealing gasket to allow monitoring of gels during drying cycle.
11. Durable & very quiet in operation
12. Timer range: Audible with alarm and Selectable from 5 minute to 9 hours
13. Should have safety certification like EN61010-1/ UL61010A-1/ CSA22.2 1010.1/ CE or equivalent
14. Minimum attainable ultimate vacuum of 25" Hg pump and a capacity of 20–30 L/min
15. Should be supplied with suitable accessories like Vacuum source etc.
16. Generate clear dry gel transmission on densitometry/use in overhead projection
17. Weight should be less than or equal to 12kg.
18. Standard warranty: 2 years
19. Power : 220V, 50Hz
20. User manual to be provided in English
21. Onsite IQ/OQ/PQ documents to be provided
22. Demonstration for performance
23. Accessories required: Filter paper Sheets for stained gels (50sheets), cellophane membrane for densitometry (50 sheets)
24. Local service shall be available

**Schedule no.5**

**COMMON SPECIFICATIONS OF pH METER**

<b>S. No.</b>	<b>Parameter</b>	<b>Specification</b>
1	Model	Benchtop
2	pH Range	0-14
3	Relative accuracy	+/- 0.001 to 0.002 pH
4	Sensor	Combined pH electrode & temperature electrode
5	Calibration	Auto-calibration with buffer recognition and printout of calibration report
6	Resolution	0.001 pH
7	Potential range	0 to +/- 1999.9 mV
8	Relative accuracy	+/- 0.1 to 0.2 mV
9	mV resolution	≥0.1mV
10	Display	20 x 2 Line Back lighted LCD Display and Alphanumeric splash water-proof soft Keys or Large LCD screen showing pH/mV and degree centigrade
11	Dust cover	Yes
12	Report format	* Report of selected pH & mV readings * Calibration report * Data table & graph
13	Output	Printer with extra cartridge
14	Power requirement	100 - 240 V , supplied with universal adapter
15	Solution temperature range	0 to 100°C
16	Temperature Compensation	Automatic or Manual
17	Memory	At least 50 data points
18	pH Electrode	Refillable glass electrode with protective covering on electrode
19	Accessories	Supplied with electrode arm and buffer kit
20	Standard	<ul style="list-style-type: none"><li>• GLP compliant and ISO/CE/ UL approved</li><li>• Should meet IEC-60601-1-2:2001 (or equivalent) general requirements of safety for electromagnetic compatibility or should comply with 86/366/EEC; EMC directive</li><li>• LIMS compliant/Computer</li><li>• Interface/Printouts</li></ul>
21	Documents	<ul style="list-style-type: none"><li>▪ IQ/OQ/PQ with all documents in original at NIB site</li><li>▪ Operating/ Instruction Manual (English)</li><li>▪ Certificate of inspection &amp; calibration with traceability</li><li>▪ List of important spare parts &amp; accessories with their part No. &amp; costing</li><li>▪ Instructions for daily, weekly, monthly and quarterly maintenance checklist.</li><li>▪ Current users/ performance list to be provided.</li></ul>
22	Standards, safety, training	<ul style="list-style-type: none"><li>• Installation: supplier of the instrument must provide free installation, commissioning and testing of the equipment at the NIB site</li><li>• Onsite comprehensive training for lab staff &amp; support service till customer satisfaction with system</li><li>• 2 years standard warranty and post warranty 3 years CMC</li></ul>



**Schedule no.6**

**SPECIFICATION OF FURNACE**

S.No	Parameter	Specification
1	Internal Dimensions of the furnace (Depth x Width x Height)	8-11 inches x 8-11 inches x 9-14 inches
2	Temperature Range	Ambient $\pm$ 5 - 900°C
3	Accuracy	$\pm$ 1 °C
4	Heating Element	Silicon Carbide (SiC) or Kanthal A1 coil
5	Temperature Accuracy	$\pm$ 3°C or better
6	Temperature Control	Digital Indicator with microprocessor based PID controller with safety Alarm
7	Temperature Output device	Chart recorder, RS232/RS485 port or datalogger
8	Digital Timer	Upto 99.99 hrs
9	Furnace Insulation	Double walled with Ceramic wool
10	Door	Double walled insulated door mounted on heavy hinges with effective locking arrangements
11	Temperature settings & Display	Digital and double display
12	Power source	220/230 Volts AC
13	Out body and inner body	Stainless Steel
14	Warranty & AMC	1 year and 3 years
15	Accessories required	<ul style="list-style-type: none"><li>• Stainless Steel Tongs (15-20 Inch) – 02 Nos.</li><li>• Furnace gloves – 02 pairs.</li></ul>
16	Documents	<ul style="list-style-type: none"><li>• IQ/OQ/PQ with all documents in original at NIB site</li><li>• Operating/ Instruction Manual (English)</li></ul>

**Schedule no.7**

**Technical Specifications of Orbital Incubator Shaker**

S. N.	Parameter	Details
1.	Body	Stainless Steel body having Front door with a glass window
2.	Shaking motion	Orbital
		It should have acceleration/deceleration circuit prevent sudden starts/stops
		Stop-shaking option when door is opened is highly preferable
3.	Shaking speed range	50 to 300 rpm with control accuracy of $\pm 2$ rpm
4.	Capacity	Interchangeable clamps, Assorted sizes to accommodate different sizes of flasks (a) $\geq 8$ flasks of 100 mL (b) $\geq 6$ flasks of 250 mL (c) $\geq 4$ flasks of 500 mL (d) $\geq 2$ flasks of 1000 mL (e) A removable perforated top shelf to hold petridish
5.	Temperature range	37°C to 60°C, Should be able to maintain 37°C during summer months when ambient temperature is 40-45°C.
6.	Temperature Control/Output	Programmable Microprocessor controlled. Equipment should be provided with Thermal chart recorder.
7.	Temperature Accuracy	$\leq \pm 0.5^\circ\text{C}$
8.	Display	Large easy to read display screen clearly indicates speed, running time, alarm condition and temperature character.
		Display clearly visible in the dark
9.	Timer	1 min to 90 Hrs.
10.	Safety Controller	Audio Visual alarm - Overshoot or undershoot of temperature or rpm deviates from set value
		It should have automatic restart after power resumption /interruption with non-volatile memory.
		Shall be spill proof and provision for easy cleaning in case of a spill.
11.	Compliance	Should be FDA or CE Approved product. Manufacturer should have ISO certification for quality standards.
12.	Documentation	IQ, OQ & PQ. Certificate of calibration and inspection from factory.
13.	Warranty/AMC	3 Years. AMC for 02 yrs after warranty
14.	Service support	The vendor supplying the instrument should have own application support laboratory in India, preferable in Delhi/NCR for local and efficient after sales service support.
15.	Power	Power input to be 220-240VAC, 50Hz fitted with Indian plug

**PRICE SCHEDULE****PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA**

1	2	3	4	5					6
Sr. No.	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Rs.)					Total Price (at Consignee Site) basis (Rs.)
				Ex-factory/ Ex-warehouse/ Ex-showroom/ Off-the shelf (Including discounts, Packing/Forwarding, etc.)	Excise Duty (if any) [%age & value]	Sales Tax/ VAT(if any) [%age & value]	Any other charges (please specify)	Unit Price (at Consignee Site) basis	
				(a)	(b)	(c)	(d)	(e) = a+b+c+d	4 x 5(e)

Total Tender price in Rupees: \_\_\_\_\_

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

**Note: -**

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

Name \_\_\_\_\_

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

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

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

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

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

C) PRICE SCHEDULE FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT/ ANNUAL MAINTENANCE CONTRACT AFTER WARRANTY PERIOD

1	2	3	4					5	6
Schedule No.	BRIEF DESCRIPTION OF GOODS	QUANTITY. (Nos.)	Annual Comprehensive Maintenance Contract/ Annual Maintenance Contract Cost for Each Unit year wise*.					Total Annual Comprehensive Maintenance Contract/ Total Annual Maintenance Contract Cost for Each Unit for 5 years (4a+4b+4c+4d+4e)	Annual Comprehensive Maintenance Contract/ Total Annual Maintenance Contract Cost for 05 years (3 x 5)
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>		
			a	b	c	d	e		

\* After completion of Warranty period

**NOTE:-**

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC)/ Annual Maintenance Contract (AMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares( spares is not included in AMC), after satisfactory completion of Warranty period may be quoted for next 2/3/5 years on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC/AMC may be quoted along with taxes applicable on the date of Tender Opening. **“Whether service tax on CMC is inclusive or extra , if extra, indicate the present rate.....”**.In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC/AMC will be added for Ranking/Evaluation purpose.
5. The payment of CMC will be made as per clause GCC clause 4 (C).
6. The uptime warranty will be 98 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CMC/AMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name \_\_\_\_\_  
 Business Address \_\_\_\_\_  
 Signature of Tenderer \_\_\_\_\_  
 Seal of the Tenderer \_\_\_\_\_

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

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

**BANK GUARANTEE FORM FOR EMD**

Whereas \_\_\_\_\_ (hereinafter called the “Tenderer”) has submitted its quotation dated \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called the “tender”) against the purchaser’s tender enquiry No. \_\_\_\_\_ Know all persons by these presents that we \_\_\_\_\_ of \_\_\_\_\_ (Hereinafter called the “Bank”) having our registered office at \_\_\_\_\_ are bound unto \_\_\_\_\_ (hereinafter called the “Purchaser) in the sum of \_\_\_\_\_ for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_. The conditions of this obligation are:

- 1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
  - a) fails or refuses to furnish the performance security for the due performance of the contract or
  - b) fails or refuses to accept/execute the contract or
  - c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition(s).

This guarantee will remain in force for a period of forty-five days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

.....  
(Signature with date of the authorised officer of the Bank)

.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

**CONSIGNEE RECEIPT CERTIFICATE**  
**(To be given by consignee's authorized representative)**

The following store (s) has/have been received in good condition:

- 1) NOA No. & date : \_\_\_\_\_
- 2) Supplier's Name : \_\_\_\_\_
- 3) Consignee's Name & Address  
with telephone No. & Fax No. : \_\_\_\_\_
- 4) Name of the item supplied : \_\_\_\_\_
- 5) Quantity Supplied : \_\_\_\_\_
- 6) Date of Receipt by the Consignee : \_\_\_\_\_
- 7) Name and designation of Authorized  
Representative of Consignee : \_\_\_\_\_
- 8) Signature of Authorized Representative  
of Consignee with date : \_\_\_\_\_
- 9) Seal of the Consignee : \_\_\_\_\_

**Proforma of Final Acceptance Certificate by the Consignee**

**NO** \_\_\_\_\_

**Date** \_\_\_\_\_

**To**

M/s \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Subject:** Certificate of commissioning of equipment/plant.

This is to certify that the equipment(s)/plant(s) as detailed below has/have been received in good conditions along with all the standard and special accessories and a set of spares (subject to remarks in Para no.02) in accordance with the contract/technical specifications. The same has been installed and commissioned.

- (a) Contract No \_\_\_\_\_ Dated \_\_\_\_\_
- (b) Description Of The Equipment(S)/Plants: \_\_\_\_\_
- (c) Equipment(S)/ Plant(S) Nos.: \_\_\_\_\_
- (d) Quantity: \_\_\_\_\_
- (e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no \_\_\_\_\_ dated \_\_\_\_\_
- (f) Name of the vessel/Transporters: \_\_\_\_\_
- (g) Name of the Consignee: \_\_\_\_\_
- (h) Date of commissioning and proving test: \_\_\_\_\_

**Details of accessories/spares not yet supplied and recoveries to be made on that account.**

Sl. No.	Description of Item	Quantity	Amount to be recovered

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).

The supplier has fulfilled its contractual obligations satisfactorily ## or

The supplier has failed to fulfill its contractual obligations with regard to the following:

- a) He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.
- b) He has not supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
- c) The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.

The amount of recovery on account of failure of the supplier to meet his contractual obligations is \_\_\_\_\_ (here indicate the amount).

*(Signature)*

*(Name)*

*(Designation with stamp)*

**## Explanatory notes for filling up the certificate:**

- i) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.
- ii) He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
- iii) Training of personnel has been done by the supplier as specified in the contract.
- iv) In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.



**MANUFACTURER'S AUTHORISATION FORM**

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To,  
Head (P & CD)  
HLL Lifecare Limited  
Procurement and Consultancy Division  
B-14 A, Sector -62, Noida -201307, Uttar Pradesh

Dear Sir,

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

We, \_\_\_\_\_ who are proven and reputable manufacturers of \_\_\_\_\_ (*name and description of the goods offered in the tender*) having factories at \_\_\_\_\_, hereby authorise Messrs \_\_\_\_\_ (*name and address of the agent*) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. \_\_\_\_\_ (*name and address of the above agent*) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty as per clause 6 of the General Conditions of Contract, read with modification, if any, for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

---

[Signature with date, name and designation]  
for and on behalf of Messrs \_\_\_\_\_

[Name & address of the manufacturers]

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

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY**

The Director,

National Institute Of Biologicals  
Ministry of Health & Family Welfare, Govt. Of India  
A-32, Sec-62, (Industrial Area)  
NOIDA - 201309 ( U.P.)

WHEREAS \_\_\_\_\_ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no \_\_\_\_\_ dated \_\_\_\_\_ to supply (*description of goods and services*) (herein after called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of. \_\_\_\_\_ (*Amount of the guarantee in words and figures*), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid upto two months beyond the period of warranty i.e. upto ----- (*indicate date*)

.....  
(*Signature with date of the authorised officer of the Bank*)

.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

## B) BANK GUARANTEE FORM FOR AMC/CMC SECURITY

The Director,

National Institute Of Biologicals  
Ministry of Health & Family Welfare, Govt. Of India  
A-32, Sec-62, (Industrial Area)  
NOIDA - 201309 ( U.P.)

WHEREAS \_\_\_\_\_ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no \_\_\_\_\_ dated \_\_\_\_\_ to supply (description of goods and services) (herein after called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of \_\_\_\_\_ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to 30 (thirty) months from the date of Notification of Award i.e up to -----  
---- (indicate date)

.....  
(Signature with date of the authorised officer of the Bank)

.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

**AFFIDAVIT REGARDING NON BLACK LISTING OF THE FIRM**

I/We, (Name)\_\_\_\_\_ contractor/partner/sole proprietor (*strike out the word which is not applicable*) of (Firm)\_\_\_\_\_ do hereby declare and solemnly affirm to that the individual firm/companies are not black-listed by the Union or state Government or any partner or shareholder thereof are not directly or indirectly connected with or has any subsisting interest in business of my/our firm

Address \_\_\_\_\_  
DEPONMENT \_\_\_\_\_  
\_\_\_\_\_

I/We do hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and beliefs. No part of it is false and nothing has been concealed.

Dated:

DEPONMENT

(Note: - To be furnished on the non judicial stamp paper duly attested by the Oath Commissioner/Executive Magistrate)

CHECKLIST

Name of Tenderer:

Name of Manufacturer:

SI No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
1. a.	Have you enclosed EMD of required amount for the quoted schedules?			
b.	In case EMD is furnished in the form of Bank Guarantee, has it been furnished as per Annexure IV?			
c.	In case Bank Guarantee is furnished, have you kept its validity for a minimum of 105 days from Tender Opening			
2	Whether all the Pages are signed & properly tagged with all documents and enveloped properly sealed?			
3.	Are you a SSI unit, if yes have you enclosed certificate of registration issued by DGS&D or NSIC			
4. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
b.	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
5.	Have you submitted copy of the order(s) and end user certificate as desired in point no. 2 of ITB			
6.	Have you submitted manufacturer's authorization as per Annexure-VII			
7.	Have you kept validity of 60 days from the Tender Opening date as per the TE document?			
8.	Have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
9.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
10.	Have you fully accepted payment terms as per TE document?			
11.	Have you fully accepted delivery period as per TE document?			
12.	Have you submitted the certificate of incorporation?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
13.	Have you accepted the warranty as per TE document?			
14.	Have you accepted all terms and conditions of TE document?			
15.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
16.	Have you submitted affidavit regarding non black listing of the firm as per Annexure-IX			

N.B.

1. The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender and no column is left blank. If any column is not applicable, it may be filled up as NA.
2. It is the responsibility of tendered to go through the TE document to ensure furnishing all required documents in addition to above, if any.

---

*(Signature with date)*

---

*(Full name, designation & address of the person duly authorised sign on behalf of the Tenderer)*  
For and on behalf of

---

*(Name, address and stamp of the tendering firm)*