

TENDER NOTICE –II-INSTRUMENTS FOR MICROBIOLOGICAL TESTING

Quotation Reference: SB/QEL/PUR/TENDER/INST & ACCYS-1/2017

10.10.2017

On behalf of the Spices Board, Ministry of Commerce, Govt. of India, tenders are invited for the supply of following instruments / accessories conforming to defined technical specifications and other requirements. The name of instruments/accessories, number required, delivery location and reference to technical specifications are given in the **Table 1** below.

Table 1: List of Items

Sl no.	Name of the Equipment	Numbers required	QEL Locations	Specification Reference
1.	Electronic Balance - 5 Digit Precision	2	Kolkata, Kandla	Annexure 1
2.	Electronic Balance - 3 Digit Precision	1	Kolkata	Annexure 2
3.	BOD Incubator	1	Kolkata	Annexure 3
4.	Bacteriological Incubator	2	Kolkata	Annexure 4
5.	Homogenizer	1	Kolkata	Annexure 5
6.	Bio safety Cabinet (Class II, Type B2)	2	Kolkata	Annexure 6
7.	Serological Water Bath with Stirrer	2	Kolkata	Annexure 7
8.	Forced Convection Hot Air Oven	1	Kolkata	Annexure 8
9.	Digital Colony Counter	1	Kolkata	Annexure 9
10.	Trinocular Microscope Integrated with HD Camera, Software and Computer	1	Kolkata	Annexure 10

11.	pH Meter	1	Kolkata	Annexure 11
12.	Fully Automatic Top Loading Autoclave	1	Kolkata	Annexure 12
13.	Pathogen Screening System	2	Kolkata, Kandla	Annexure 13
14.	Automated Microbial Identification System	2	Kolkata, Kandla	Annexure 14
15.	Electric Sterilizer for Inoculation Loop	2	Kolkata, Kandla	Annexure 15
16.	Vertical Laminar Airflow Unit	1	Kolkata	Annexure 16
17.	Single Channel Variable Volume Micro pipettes	20	Kolkata, Kandla	Annexure 17
18.	Combined Refrigerator and freezer	2	Kolkata, Kandla	Annexure 18
19.	Laboratory Blender	8	Kolkata, K ochi, Mum bai, Chenn ai, Tuticori n, Guntur, Kandla, Na rela	Annexure 19

The tenders submitted against this common tender notice will have to conform to the terms and conditions outlined below. Each tender should be accompanied by a copy of this tender notice signed on each page by the tenderer, without which the tenders will not be considered.

1. Delivery of Tenders: The tender shall be submitted to the designated address either by Speed Post or by Courier, so as to reach our office before the due date and time. The details are mentioned in **section B** below.
2. Opening of Tenders: The offers/bids will be opened by a committee duly constituted for this purpose at the specified place, date and time in the presence of such tenderers or their representatives as may choose to attend.
3. The participating bidders should produce an Authorization Letter from their companies to participate in the tender opening day. Only one representative per tenderer will be allowed to participate during the opening of tender.
4. Rejection of Tenders: The Spices Board reserves the right to reject any or all of the tenders received without assigning any reason.

5. Terms of Delivery: The quoted instrument(s) and all accessories and supporting instruments should be supplied, and the installation/commissioning of the same should be completed as specified in the Terms and Conditions mentioned below. Signed copy of the Terms and Conditions should be submitted along with the Tender, without which the tender will be considered non-compliant.
6. Location of Supply: The Instrument(s) will be required to be delivered and installed at the addresses mentioned in the annexures corresponding to each instrument, as detailed in Table 1 above.

Secretary

Spices Board, Kochi-25

HINDI VERSION FOLLOWS

B. Terms and Conditions of the Tender

I.General Information

1. Tender should be submitted in the prescribed tender document downloaded from the website www.indianspices.com. The tenders submitted should strictly follow the instructions specified below, failing any of which the tenders would be deemed incomplete and liable for rejection.
2. The last date for the submission of the tender will be 14th November 2017, 5:30PM, at the following Address:

Quality Evaluation Laboratory

Spices Board

Sugandha Bhavan, NH Bye-Pass,

Palarivattom PO,

Kochi, Kerala – 688025

Ph: 0484 2333610 – 616 (Ext. 329)

3. Separate sealed tenders should be submitted for each equipment. The tender should be in a sealed cover appropriately labelled as detailed in the section below. Tenders received after the due date and time for whatever reasons will not be considered.
4. *The opening of the tender will be at 10:30AM on 15th November 2017, at the **same address specified above.***
5. The bid should consist of all technical details along with commercial terms and conditions.
6. A two-bid system will be followed, i.e, a technical bid and a financial bid should be submitted separately, in separate covers. Only the technical bid would be opened initially on the designated date. Only for those tenders that comply with the technical specifications, the financial bids will be opened at a later date.
7. For each instrument, the technical bid and the financial bid should be in separate sealed covers marked appropriately. Both these bids should be put in a third, larger cover, which should be labelled with the inscription “**Spices Board Tender – (Name of the Instrument), Due on 14th Nov 2017: Technical and Financial Bids**”
8. For each quoted instrument, separate bids should be submitted.
9. Please refer to the appropriate annexure for each instrument given in Table 1 above. The annexures contain three sections: (i) Section I - Details of the tenderer (ii) Section II - Technical Specifications of the instrument for compliance (iii) Section III - Summary of financial bid.

II. Technical Bid

Technical Bid should contain the following documents:

1. Details of the tender, filled in the Section I of the specifications of each instrument given in the appropriate annexure .
2. Compliance with technical specifications, filled in the Section II given in the specifications of each instrument. In section II, the compliance of the quoted instrument against each point in the technical specification should be marked as Yes / No. If this compliance statement is not included in the technical bid, the bid is liable to be rejected.
3. All claims of instrument performance as required in the specifications should be substantiated by adequate instrument readouts and data. These should be submitted as hard copy with required explanatory notes.
4. Declaration of the bidder as given in the specification of each instrument, duly signed by the authorized signatory, with seal of the company and all required contact details.
5. Any technical literature, brochures, specification sheets etc relevant to the quoted model must be included.
6. A minimum number of users of the quoted model in India, as mentioned in the technical specification for an instrument, should be met, without which the tender

will be liable for disqualification. The list of these users, with full details of contact persons, addresses, telephone, mobile and email should be provided in table form along with the technical bid.

7. Complete warranty information as required in the technical specification, along with the list of items covered under the warranty should be provided.

III. Financial Bid:

1. **Financial Bid** The financial details of the tender should be summarized in the table given in Section III, (pl see annexure at the end of this document) **without which the tender would be deemed incomplete and liable to be rejected**. Any additional details can be submitted as separate documents.
2. Incomplete tenders received without adequate information / data or in violation with any point in the terms and conditions will be rejected.

IV. EMD

EMD Should be submitted in a sealed cover along with the technical bid.

1. The tenderer should submit an EMD equal to **2% of the total quoted price** along with the technical bid by way of Demand Draft favouring “Secretary, Spices Board” and “payable at Kochi” from any nationalized bank valid for three months
2. Bank Guarantee will not be accepted towards EMD.
3. The Technical Bid without EMD would be considered as UNRESPONSIVE and will be rejected unless any category of tenderer is specifically exempted by the Government from payment of EMD for which reasons and proof have to be enclosed.
4. The EMD will be returned without any interest to the unsuccessful bidders after the award of the contract.
5. Agreement for Purchase Order forfeiture of EMD: EMD will be forfeited if the tenderer withdraws his tender or backs out after acceptance fails to remit the performance security violates any of the conditions prescribed in the tender notice revises any of the terms quoted, during the validity period.

V. Customs Clearance of instruments ,Performance Bank Guarantee, Delivery and other information's

1. The customs clearance duty if any for imported instruments has to be borne by the bidder and only the supporting documents to clear the items shall be produced by Spices Board. **The bidder has to arrange the clearance, delivery and installation of the equipment at the Board's Laboratory.**
2. If an Indian Agent is involved, the following documents must be enclosed:
 - a. Foreign principal's proforma invoice indicating the Commission payable to the Indian Agent and the nature of after sales service to be rendered by the Indian Agent, if applicable.

- b. Copy of the agency agreement with the foreign principal and the precise relationship between them and their mutual interest in the business.
 - c. The enlistment of the Indian agent with Director General of Supplies & Disposals under the Compulsory Registration Scheme of Ministry of Finance.
3. The offer/bids should be sent only for a machine that is available in the market and supplied to a number of customers. A list of customers in India with details should be furnished with the tenders. Tenders for a prototype machine will not be accepted.
4. Original catalogue (**not a photocopy**) of the quoted model duly signed by the principals must accompany the tender.
5. In case the Technical Specification for the Instrument calls for **Performance Data for the quoted model**, the same has to be submitted completely in all respects in a booklet form for ready reference.
 - a. This data has to be generated using the quoted model, **by the bidder's own application laboratory**, as a proof of capability to provide application support.
 - b. In case more than one model is quoted, the **performance data for each model should be submitted separately**.
 - c. **Generalized application notes or research papers will not be accepted as proof of performance**, as these may not comply with the specific requirements of the Instrument.
6. Spices Board reserves the right to **witness either the reproduction of the data generated by the bidder's laboratory or to analyze the required samples / solutions at the bidders laboratory in case the need arises**.
7. Delivery Schedule: The bidder should indicate clearly the time required for delivery of the instrument. In case if there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied.
8. Risk Purchase Clause: In the event of failure of supply of the item/equipment within the stipulated delivery schedule, the Board reserves the right to purchase the item/equipment from other sources on total risk of the supplier under Risk Purchase Clause.
9. Payment: No Advance payment will be made for items manufactured in India. For these instruments, payment shall be made only after satisfactory installation is agreed to wherever the installation is involved. For imported instrument, the payment will be arranged as per terms and conditions agreed between Spices Board and the tenderer during finalization of the purchase.
10. Payment shall be released only after satisfactory training to the Laboratory staff.
11. Warranty/Guarantee: The offer should clearly specify the terms of warranty as applicable including all the spares/accessories and consumables required for the smooth and continuous functioning of the equipment as given in the section II of specifications for each equipment.
12. Performance Security: *The successful bidder has to submit a Performance Security for an amount of 20% of the order value in the form of a Bank Guarantee from any nationalized bank. Performance security should be*

submitted within 21 days after release of purchase order and should be valid for 60 days beyond the date of completion of all contractual obligations including warranty obligation, and it will be released after 60 days beyond warranty period.

13. Submission of Performance security for equipments exempted upto order value of Rs 1 lakh.
14. Five year comprehensive warranty shall be include calibration of the equipment using traceable standards at least once in a year .
15. Repair of the equipment should be attended within three working days ,failure will result in extension of the five year warranty period
16. Comprehensive warranty shall include two preventive maintenance per year and any number of break down visits
17. User's List: The offer should include a detailed list of users as required in the specifications of each equipment.
18. Late offer: The offers received after the due date and time will not be considered.
19. Acceptance and Rejection: Spices Board reserves the right to accept whole or any part of any tender or portion of the quantity offered or reject it in full without assigning any reason.
20. Disputes and Jurisdiction: Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Ernakulam, Kochi.
21. *The tenderer must sign and affix seal on every page of the tender document and furnish the certificate acknowledgment as shown below:*

Acknowledgement by the Tenderer

It is hereby acknowledged that we have gone through all the conditions mentioned above and we agree to abide by them.

DATE

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

Annexure :Section III: Financial Bid*Name of the Equipment* :.....

This sheet is to be attached as a covering sheet along with the formal technical bid of the quoted instrument. In case more than one instrument / model is quoted, separate sheets have to be attached with each quotation.

Financial Summary for the Instrument model :

Price Description		Price	Comments (if any)
Quoted Currency			
Total Instrument Cost	[a]		
Total cost of Supporting Instruments	[b]		
Comprehensive Warranty Charges (if applicable)	[c]		
Any other charges	[d]		
CIF [a] + [b] + [c] + [d] =	[e]		
Conversion Factor to INR*	[f]		
Total Price in INR [e] x [f] =	[g]		
**Total cost of Items quoted in INR =	[h]		
Final Price in INR = g + h =	[i]		

* Use the conversion factor as on the date prior to the date of submission of the quotation and mention this date clearly.

** Give full list of items quoted in Indian Rupees separately.

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

DATE

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

Annexure 1. Electronic Balance - 5 Digit Precision

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes / No)	Remarks	Documentary evidence enclosed?
1	Readability of 0.00001 g. (0.01 mg).			
2	Compact design with sturdy chemical resistant body.			
3	Weighing at least 90 mm or equivalent. Øpan			
4	Calibration of a frequently used weighing range using external weights.			
5	Digital panel with back lit display.			
6	Overload protection feature.			
7	Calibration certificate with F1 / E2 class calibration weights traceable to NPL should be provided with the balance.			
8	The supplier should have the capability to provide calibration of the balance once in six months with NPL certified weights. Full details of this service should be provided.			
9	One spare power adapter should be provided			
10	Internal adjustment weight for precise result.			
11	Maximum Capacity at least 200g.			
12	Capability of displaying weighing result in different units.			
13	Features like Taring and % weighing feature should be available.			
14	Repeatability at least 0.03 mg.			
15	High grade, chemical resistant housing.			
16	Back lit display.			
17	Standard RS232c interface to connect to external PC.			

18	Hook for weighing below the balance.			
19	Glass draft shield with sliding doors, with free access from right, left and above			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 2. Electronic Balance - 3 Digit Precision

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes / No)	Remarks	Documentary evidence enclosed?
1	Readability of 0.001 g., Capacity 200gm			
2	Compact design with sturdy chemical resistant body.			
3	Weighing pan at least 90 mm or equivalent			
4	Calibration of a frequently used weighing range using external weights.			
5	Digital panel with back lit display.			
6	Overload protection feature.			
7	Calibration certificate with FI / E2 class calibration weights traceable to NPL should be provided with the balance.			
8	The supplier should have the capability to provide calibration of the balance once in six months with NPL certified weights. Full details of this service should be provided.			
9	One spare power adapter should be provided			
10	Full operation manual should be provided.			
14	Internal adjustment weight for precise result.			
15	Maximum Capacity at least 200g.			
16	Capability of displaying weighing result in different units.			
17	Features like Taring and % weighing feature should be available.			
19	High grade, chemical resistant housing.			

20	Back lit display.			
21	Standard RS232c interface to connect to external PC.			
22	Hook for weighing below the balance.			
23	Glass draft shield with sliding doors, with free access from right, left and above			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 3. BOD Incubator

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation(complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Capacity: 340 Liters			
2	Temperature Range: 5°C to 60°C at normal room temperature			
3	Controller: Digital Display Electronic Controller			
4	Control Accuracy: +/- 0.1°C			
5	External Chamber: Mild steel and painted in epoxy powder coating.			
6	Inner Chamber: Stainless Steel of 304 quality with minimum 4 Nos of Detachable shelves			
7	Inner Acrylic Door: Inner full size see through Acrylic 8mm thick			
8	Outer Door: Double walled metal door with Magnetic gasket and lock and key.			
9	Air Circulation: By motorized Recirculation/Forced Air for temperature homogeneity			
10	Should have door operated illumination lamp			
11	Control panel with at cabinet top with 3 nos. indicator for main, heating and cooling			
12	Should have cord with plug to work on 220/230 volts A.C.			
13	A quiet running sealed compressor (CFC FREE) with all its protective devices along with a fan cooled condensing coil			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

DATE

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

Annexure 4. Bacteriological Incubator

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Size of the Incubator should be 605 mm W; 605 mm D & 910 mm H with a total volume of 320 Ltrs and suitable for 8 racks.			
2	Double walled inside made of thick stainless steel and outside of Mild Steel duly painted with epoxy powder coating.			
3	The gap of 75mm between two walls should be fitted with pure mineral wool.			
4	Synthetic rubber gasket must be provided on the door for better grip.			
5	Door should have a glass window outside .			
6	Heating elements should be placed in ribs at the bottom and sides.			
7	Two adjustable air ventilators must be placed near the top of the sides.			
8	The temperature must be controlled by an Electronic Micro processed Temperature Controller cum Indicator from few °C above ambient to 70°C with sensitivity of ± 0.1 °C supplied with two pilot lamps.			
9	Should have an air circulating fan to maintain uniform temperature throughout the incubator.			
10	Should have perforated quality stainless steel detachable shelves (minimum 4 Nos.) adjustable at any level.			
11	Should have cord with plug to work on 220/230 volts A.C.			

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 5. Homogenizer

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Dimensions: 330mm wide x 355 mm deep x 300 mm high			
2	Voltage supply: 220-250V			
3	Supply frequency: 50-60 Hz			
4	Plug Top Fuse: F5A			
5	Insulation: Class 1 (Earthed)			
6	Installation: Over voltage Category II			
7	Pollution : Pollution degree II			
8	Duty Cycle: Continuous			
9	Rated Load: 140W			
10	Disposable bag size: 177mm x 304 mm			
11	Minimum capacity : 80 ml			
12	Maximum capacity: 400 ml			
13	Maximum sample temperature: 60°C			
14	Ambient Operating Temperature: 10-35°C			
15	Operating Relative Humidity range: 10-89%			
16	Adjustable timer settings : 0 seconds - 90 minutes			
17	Paddle speeds : 200 rpm; 230 rpm; 260 rpm			
18	Paddle Clearance : 0-10 mm			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 6. Bio safety Cabinets (CLASS II - Type B2)

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Cleanliness Level: CLASS 100 (ISO 5 for particle sizes > or equal to 0.3 μ , Max 3520 particles/M ³ ; as per Clean room classification & monitoring standards IEST ISO 14644 –1			
2	Size: Ft (w x d x h) 3 x 2 x 2			
3	Air Balancing: 100% Exhaust & 0% Re-Circulation			
4	Particle retention: 0.3 micron particles with typical efficiency of >99.997%			
5	Velocity: 80-100 fpm at initial set point			
6	Noise level: 65 decibel on “A” scale \pm 5 as per NSF 49			
7	Pressure Differential: Dwyer, USA Make Magnahelic / Gauge (0-25 mm) – 01 no. / Unit			
8	Ultra violet lamp: 3 feet, 30Watt - Original - Philips, Holland make - 1 No.			
9	Illumination: 3 feet, 40 Watt, Fluorescent tube – 2 Nos (or) suitable CFL Lamps			
10	Power supply: 230 V, Single Phase, 50 Hz			
11	Material of Construction: Cabinet made from Galvanized Iron 18 SWG sheet metal with polyurethane paint coated finish and bottom will be supported with MS with PU coated modular stand which can be adjustable for height with leveling legs.			
12	Working Table: Removable type tabletop, made of perforated IS 304 Stainless Steel - satin finished, underneath provided with drain-pan to collect & dispose off liquid wastes			
13	Working Area: The entire working zone is lined with IS 304 grade stainless steel materials with joint free covering on corners for easy cleaning			
14	Front door: Made of clear 5 mm thick Toughened glass – vertical sliding			

15	Side Panels: Both the sidewalls are made from double layered outer GI & inner stainless steel with return-air plenum in between. Edges are perforated to avoid entry of room air into the work zone and exit of contaminated air in to the room and such contaminated air is sucked through this full height perforation at the edges of the sidewalls.			
16	HEPA Filter			
17	Media: Ultra clean glass fiber paper – imported			
18	Supply Air & Exhaust: Type Mini-Pleated constructions			
19	Retention: 0.1 to 0.3 micron			
20	Efficiency: 99.999% to 0.3 microns as per IEST-RP-CC001.3 USA			
21	Pressure drop: 12 mm WG			
22	Grade: H14 rating			
23	Pre Filter			
24	Media: Non woven - synthetic polyester			
25	Retention: 10 - 15 micron			
26	Efficiency: 90%			
27	Pressure drop: 6mm WG			
28	Grade: F7 rating			
29	Supply Air Blower: Which consists of dynamically & statically balanced aluminum centrifugal impeller driven by an Single phase, 1440-RPM motor, enclosed in a PU coated GI casing, suitably suspended in a pair of springs & connected to the filter chamber through flexible canvas duct inside the cabinet.			
30	Exhaust Blower: Suitable displacing capacity having a static of 60 mm WG and made of mild steel and directly driven by a single phase, 1440-RPM motor. The exhaust motor & blower unit will be connected to the cabinet through an exhaust duct made of rigid PVC pipe.			
31	Exhaust Duct: The exhaust air will be sending out through an exhaust duct made of 125 mm dia rigid PVC pipe. Suitable canopy will be provided at the end of the duct.			
32	ON/OFF Controls: “ON/OFF” soft touch switch controller for the blower, UV lamp, Day light lamp.			

33	UV / Door integration: Apart from an independent control switch, the closing / opening operation of front door is integrated with the UV on / off. The UV will automatically switch “off” when the front doors opened; likewise, the UV will switch “on” automatically when the door is closed. This will avoid accidental exposure of UV rays to the users’ as UV rays are harmful to the skin.			
34	Note: The following test should be carried out at the time of installation and the corresponding calibration certificate should be provided. Laser Particle Count test to confirm the Cleanliness level, Velocity Measurement Test to adjust required velocity, Differential pressure measurement to confirm the HEPA filter condition			
35	The following certificate should be provided with each unit: Design Qualification (DQ) Installation Qualification (IQ) Operational Qualification (OQ) Performance Qualification (PQ) Test Certificate for Mini-Pleat HEPA Filters Calibration Certificate for Pressure Gauge Calibration Certificate for Air Velocity Anemometer, Laser Particle Counter Test Certificate & Report Warranty Certificate			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

DATE

SIGNATURE OF TENDERER
SEAL OF THE COMPANY

Annexure 7. Serological Water Bath with Stirrer

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Size of the bath should be 455 mm L; 300 mm W; 175mm D with a total volume of 25 Ltrs and suitable for 6 racks.			
2	Double walled inside, made of Stainless Steel and outside of Mild Steel Sheet duly painted with epoxy powder coating.			
3	Should have 25 mm mineral wool insulation on five sides .			
4	Heating element made of Copper Nickel plated tabular type and approximately extend to full length of the water bath.			
5	Temperature range above room temperature to 100° C with an accuracy of $\pm 0.1^{\circ}\text{C}$.			
6	Temperature control by Electronic Digital Temperature Controller-cum-Indicator			
7	Control panel should consist of two neon pilot lights which indicates control cycles as well as the main heater switch and temperature control knob.			
8	The water bath should have perforated and removable diffuser shelves.			
9	Should have Stainless Steel cover, brass drain plug, cord with plug to work on 220/230 volts A.C.			
10	Must be provided with Stirrer of 1/20 H.P. Supported by High Speed motor with stainless steel stirring rod and blade provided with speed regulator.			
11	Lid of water bath should be made of Stainless steel of 304 quality.			

Please sign the declaration on the next page.

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 8 . Forced Convection Hot Air Oven

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Forced convection design ensuring high level of control accuracy and uniformity with a max capacity 150 L.			
2	Inner Chamber Dimensions (WxDxH): 500 × 500× 600mm			
3	Outer Chamber Dimensions (WxDxH):690 × 830 × 950mm			
4	Inner Chamber Construction: Stainless steel			
5	Abrasion resistant and durable finish by heat cured epoxy coating on steel exterior			
6	No. of Shelves Minimum 2 (Detachable stainless steel wire mesh shelves)			
7	Temperature Range: Ambient +5 to 200°C			
8	Control Accuracy: ±1°C			
9	Uniformity:±2°C at 100°C			
10	Heater Power: 2Kw			
11	Digital PID temperature controller with timer, alarms and auto tuning.			
12	Inbuilt Glass window into the door for easy viewing of the load			
13	Automatic cut off of heater & blower when door opened			
14	Electric overload safety with MCB			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER
SEAL OF THE COMPANY

DATE

Annexure 9. Digital Colony Counter

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Desktop compact model for the rapid, accurate and fatigue free counting of bacterial colonies with adjustable magnifier (120 mm) pressure operated hand held marking pen.			
2	Counting modes: Manual push button or pen probe click action count (Marking pen probe counting)			
3	Accepts Petridishes up to 120mm diameter, with a centering adaptor for standard 90mm dishes			
4	Digital LED display up to 9999 with audible count and last count recall			
5	Illumination by fluorescent /LED lamp			
6	Zero reset button			
7	Full Stainless steel fabricated body with duly heat cured epoxy coating with dimensions 41x32x30 cm			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted

SIGNATURE OF TENDERER
SEAL OF THE COMPANY

DATE

**Annexure10. Trinocular Microscope integrated with
HD Camera, Software and Computer**

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Binocular Compound Microscope			
2	LED Illumination with continuous intensity adjustment (Life of more than 20000 Hrs)			
3	Microscope should have 4 fold nose piece, Objectives should be inward inclined.			
4	It should have Plan achromatic objectives – 4x, 10x, 40x & 100x oil			
5	It should be supplied with 30 degree binocular tube (IPD 52 - 75 mm).			
6	Eyepiece pair – 10x/ 20 FN with eyepiece locking screw, Foldable Eye guards			
7	Microscope should have Low position and self adjusting focusing mechanism. 300 microns per fine focus rotation. Calibrated in 3 microns Increments .			
8	It Should have One hand slide loading, 26x76mm stage travel			
9	Antimicrobial treated with Proper Documents			
10	Microscope should have Integrated vertical handle for easy lifting and storage			
11	Microscope should have Integrated cord warping facility.			
12	Machine should have auto cut off facility after 2 hours			
13	Upgradable for phase contrast, dark field& Fluorescence			
14	Microscope should have point counting and non point counting mechanical stages			
15	It should have hard anodizing stage surface			
16	It should have break for securing rotation.			
17	Dedicated Scientific integrated High Definition Camera			

18	Capability to get live image on PC monitor and control from PC, minimum 3 mega pixel resolution HD camera with SD card slot and SD card to store images without computer also.			
19	Camera should have switch for image capture			
20	Supplied with USB and HDMI cable .			
21	Sensor horizontally/vertically aligned +/- 1 degree.			
22	No reflection, dust or impurities visible on prism			
23	Data format JPEG, TIFF and BMP.			
24	Camera should have video recording facility			
25	Camera should be compatible for multifocus, overlay and extended annotation			
26	Supplied with image analyzer for calibration, sharpening tool , insertion of micron bar & documentation			
27	Configuration			
28	Should be supplied with Branded Computer Min configuration i5Processor,4GB Ram,1TB HDD & 2B Graphics			
29	Note: Same manufacturer must quote for Microscope, Camera and Software			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 11. pH Meter

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications
pH Meter

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	pH Range: 0 to 14			
2	pH Resolution: 0.001 pH			
3	pH Stability : 0.002 pH per hour			
4	pH Relative Accuracy: ± 0.002 pH ± 1 Digit			
5	pH Slope: 85% to 115%			
6	pH Standard Buffers: 1.679, 4.004, 7.000, 9.183, 12.454 (NIST traceable)			
7	pH Buffer Deviation: ± 0.5 pH			
8	mV Range: 0 to ± 1999.9 mV			
9	mV Resolution: 0.1 mV			
10	mV Accuracy: ± 0.5 mV ± 1 Digit or $\pm 0.05\%$ of reading			
11	Temperature Compensation: Auto/Manual			
12	Temperature Range: 0 to 99°C			
13	Temperature Resolution: 0.1°C			
14	Temperature Accuracy: ± 0.5 °C ± 1 Digit			
15	Display: 2 line, 20 - Character alphanumeric LCD			
16	Annunciation: Individual LED with keys for calibration, pH, ABS mV REL mV and Print			
17	Printer Port: Suitable to connect to a digital Printer			
18	Power: 230 V AC $\pm 10\%$, 50 Hz			
19	Dimensions: 250 (W) X205 (D) X75(H) mm			
20	Accessories: pH Electrode (Combined); Temperature probe (PT-100 Sensor), Electrode Stand & Clamp			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

DATE

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

Annexure 12. Fully Automatic Top Loading Autoclave

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Fully Automatic Top Loading Autoclave with capacity of 180 Litres			
2	Single lever lock for lid with single hand opening.			
3	Working chamber dimension: 550x760 mm			
4	Carrier dimensions: 500 x 350 (2)			
5	Heater Power: 5.0 kW			
6	Operating Pressure: 16 Psi/110.3 kPA			
7	Automatic purging and exhaust.			
8	Safe and sturdy chamber manufactured to ASME standards in SS304			
9	Epoxy coating on steel exterior			
10	Low water level detection.			
11	Microprocessor Based Control ensures repeatability & a high accuracy.			
12	Spring loaded safety valve for over pressure.			
13	Independent safety for Over temperature.			
14	Pressure interlock on door.			
15	CE Certified			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

DATE

SIGNATURE OF TENDERER
SEAL OF THE COMPANY

Annexure 13. Pathogen Screening System

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Automated pathogen monitoring system capable for the detection of Listeria species, Listeria monocytogenes, Salmonella species, E.coli O157:H7, S.aureus enterotoxin etc.			
2	System principle based on Enzyme Linked Fluorescent assay (ELIFA).			
3	Test protocol comply with AOAC/ AFNOR / EU/ ISO Specifications.			
4	Capable of analyzing 60 samples or more within 2 hrs time.			
5	Maximum time required for enrichment to test result as 19hrs. (45 minutes from enrichment to result)			
6	Multiparametric/multi sample analysis.			
7	The system should be >98% specific having sensitivity of 1.0 log cells before enrichment or 3 log cells after enrichment.			
8	Negative and Positive controls must be supplied with the kits and system should demonstrate them.			
9	System should be supported with MS windows operated system and its compatibility with LIMS system for data storage/ transfer.			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 14. Automated Microbial Identification System Using Advanced Colorimetry

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	The system should be fully automated including Vacuum filler, cassette loader, reader Carousel and waste container built in a compact instrument.			
2	The system must have the capacity to accommodate at least of 50 tests, at any time.			
3	The system must have a bar code scanning device for test card identification and specimen number entry.			
4	The system should have inbuilt card sealer and automatic used card collector.			
5	The system must have identification cards for microorganisms (e.g. Gram negative, Gram positive and anaerobic bacteria, corynebacteria species and yeast species etc.)			
6	The system should have database comprising of environmental and industrial isolates.			
7	System must be USFDA approved and 21 CFR part 11 compliance fully automated working on advance colorimetric technology to produce a single choice identification for bacteria and actinomycetes.			
8	The system should have a Supplementary React File (SRF mode) for creating customized database.			
9	The system should be equipped with a facility to check the density of the inoculum.			
10	The system should provide highest discrimination between species.			
11	The software must have the following capabilities of Work flow management, Data storage & Test quality control management. It should be able to connect V-Link software.			
12	The system should be capable of reading the results in kinetic mode.			
13	The system must have the ability to check the quality of test results and subsequent validation.			
14	The system should be capable of storing and checking the Audit history.			
15	The system must have no additional reagent costs. If			

	additional reagent costs are required please supply details including cost and preparation time.			
16	The supplier must state performance of identification cards.			
17	The identification procedure must be completed in less than 24 hrs.			
18	PC, Printer, Software necessary for operating the system should form a part of the instrument.			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 15. Electric Sterilizer For Inoculation Loop

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Should made of stainless steel and capable of rapid and precise fast loop sterilization.			
2	Should provide uniform and constant heat for perfect sterilization.			
3	Capable of producing dry heat at 700°C (1292°F).			
4	Should have a long lasting sterilizing tube.			
5	Diameter of the sterilizing tube shall between 12-15mm and the length between 140-150mm.			
6	The system should have temperature indicating controller.			
7	Compatible to connect to power supply: AC220V; 50Hz; 350W.			
8	Should be compact enough with a height ,width and diameter should not be more than 300mm.			
9	Should not exceed 5 Kg the weight.			
10	Should have GMP compliance.			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER
SEAL OF THE COMPANY

DATE

Annexure 16. Vertical Laminar Airflow Unit

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Cleanliness Level: CLASS 100 (ISO 5 for particle sizes $0.5 \mu < 3530$ particles/M ³ of air at both at Rest & Operation Condition as per ISO 14644 –1(ISO 5 replaces Class 100 US-FS 209 E)			
2	Size: Ft (w x d x h) 2 x 2 x 2			
3	Direction of Flow:Vertical Down flow			
4	Particle retention: 0.3 micron particles with typical efficiency of >99.997%			
5	Velocity: 90 Feet/Minute \pm 20 %			
6	Noise level: 65 decibel on “A” scale \pm 5			
7	Pressure Differential: Dwyer, USA Make Magnehelic / Minihelic Gauge (0-25 mm) – 01 no. / Unit			
8	Ultra violet lamp: U V lamp 18 Inches, 18 Watts ORIGINAL - PHILIPS, HOLLAND make - 1 No.			
9	Illumination: by LED lamps with Diffusers			
10	Power supply: 230 V, Single Phase, 50 Hz			
11	Accessories: 5/15 Amps Combined Socket Switch, Air / Gas / Vacuum line cock.			
12	Material of Construction: Cabinet made from Galvanized Iron 18 SWG sheet metal with polyurethane paint coated finish and bottom will be supported with MS with PU coated modular stand which can be adjustable for height with leveling legs.			
13	Working Table: Single Piece Removable type tabletop, made of IS 304 Stainless Steel - satin finished			
14	Front door: Feather touch motorized option , made of clear 5 mm thick Acrylic / Polycarbonate sheet – vertical sliding, while opening the door UV Lamp will be cut “OFF” and while closing the door UV Lamp will be “ON” automatically.			

15	Side Panels: Both the sidewalls are covered with 5 mm thick IS 304 stainless steel panels .			
16	HEPA Filter			
17	Media Ultra clean glass fiber paper – imported			
18	Type Mini-Pleated constructions			
19	Retention 0.3 micron			
20	Efficiency 99.997% to 0.3 microns as per IEST-RCC001.3 USA			
21	Pressure drop 12 mm WG			
22	Grade H14 rating			
23	Prefilter			
24	Media Non woven - synthetic polyester			
25	Retention 10 - 15 micron			
26	Efficiency 90%			
27	Pressure drop 6 mm WG			
28	Grade F7 rating			
29	Supply Air Blower: Consists of dynamically & statically balanced aluminum centrifugal impeller driven by an Single phase, 1440-RPM motor, enclosed in a PU coated GI casing, suitably suspended in a pair of springs & connected to the filter chamber through flexible canvas duct inside the cabinet.			
30	ON/OFF Controls: “ON/OFF” soft touch switch controller for the blower, UV lamp, Day light lamp.			
31	UV / Door integration: Apart from an independent control switch, the closing / opening operation of front door is integrated with the UV on / off. The UV will automatically switch “off” when the front doors opened; likewise, the UV will switch “on” automatically when the door is closed. This will avoid accidental exposure of UV rays to the users’ as UV rays are harmful to the skin.			
32	Note: The following test should be carried out at the time of installation and the corresponding calibration certificate should be provided. Laser Particle Count test to confirm the cleanliness level Velocity Measurement Test to adjust required velocity Differential pressure measurement to confirm the HEPA filter condition			

33	<p>The following certificate should be provided with each unit:</p> <ul style="list-style-type: none"> Design Qualification (DQ) Installation Qualification (IQ) Operational Qualification (OQ) Performance Qualification (PQ) Test Certificate for Mini-Pleat HEPA Filters Calibration Certificate for Pressure Gauge Calibration Certificate for Air Velocity Anemometer, Laser Particle Counter Test Certificate & Report should be provided Warranty Certificate 			
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Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 17. Single Channel Variable Volume Micropipettes

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Spring Loaded Tip Cone for connecting tips very tightly			
2	Adjustment opening for adjusting pipettes to a specific liquid and volume.			
3	Control Button with very low operating force, Color indication for pipette volume.			
4	Tip ejector with very low operating force, positioned for perfect ergonomics.			
5	Volume Display: 4 Digits with magnifier.			
6	Perfect Piston System made out of Fortron.			
7	Very easy removable lower part for cleaning pipette			
8	Fully Autoclavable			
9	No discoloration upon UV irradiation			
10	3 Years Warranty			
11	Volume range & Quantity required: A) 0.5 - 10 μ l (2 Nos.) B) 2 - 20 μ l (2 Nos.) C) 10 - 100 μ l (2 Nos.) D) 100 - 1000 μ l (2 Nos.)			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER
SEAL OF THE COMPANY

DATE

Annexure 18. Combined Refrigerator and Freezer

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Combined Freezers (-20°C to -40°C) with Refrigerator (2°C to 8°C) with minimum capacity of 90 ltr and 180 ltr respectively.			
2	Minimum 3 compartments for refrigerator and 2 compartments for freezer			
3	Dual microprocessor control temperature adjustment for freezer and pharmacy refrigerator sections separately with LED display.			
4	Noise level should be less than 50 dB			
5	USB interface for data transfer.			
6	Transparent glass door for pharmacy refrigerator for easy visibility.			
7	Inbuilt temperature recording software to store one month data.			
8	Adjustable shelves and drawers.			
9	Stainless Steel interiors to prevent corrosion.			
10	Alarms for systems malfunction, over and under temperature, power failure, low battery, sensor error and high ambient.			
11	Alarm buzzer representation: audible and visible.			
12	Built-in chargeable battery to sustain display the temperature and alarm for 72 hours if power failure.			
13	Double seal of the freezer chamber to prevent defrosting.			
	Additional Terms and Conditions			
1	A complete compliance statement (this sheet filled in), stating the status of compliance with each point in the technical specification, should necessarily accompany the quotation.			

2	A minimum of 5 users of the quoted model in India should be available. The list of these users, with full details of contact persons, addresses, telephone, mobile and email should be provided in table form.			
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Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Annexure 19. Laboratory Blender

The technical bid is to be submitted by filing in Section I and II, duly signed by the authorized signatory in the 'Declaration of the Bidder'.

Section I: Details of the Quotation

Quotation Submitted By	
Quotation Reference No.	
Date of submission of quotation	
Details of EMD submitted (if any)	
Full Address	
Name of principal supplier (if not self)	
Authorized contact person	
Designation	
Contact details	
List of supporting documents submitted along with the quotation (complete compliance statement, list of minimum 5 users of the quoted model, warranty information and specify others if any)	

Section II: Compliance with Technical Specifications

Against each point in the technical specification, compliance must be marked as YES / NO

	Required Specification	Complying (Yes/No)	Remarks	Documentary Evidence Enclosed?
1	Rating: 220 Volts - 50 Cycles - Single phase - AC Only			
2	Speed: 14000 – 18000 RPM Approx.			
3	Watts: 450 watts (2Amp)			
4	Timer: Selective timer cycle from 0.1 to 5 minutes for automatic blending or manual control setting for continuous running.			
5	Base: Aluminium Cast – Baked Enamel Finish			
6	Container: 1000 mL , Stainless steel Jar with steel blades- 1 Piece stainless steel cap.			
7	Cord: 2 Mtr. - Three conductor grounder cord			
8	Stainless steel jar along with lid shall be autoclavable			

Declaration by the Bidder

It is hereby declared that, the details given above are correct as pertaining to the quoted model, and all data and reports required for substantiation technical claims have been submitted.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

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