

Tender Notice

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015

07-May-15

On behalf of the Spices Board, Ministry of Commerce, Govt. of India, Tenders are invited for the supply of **following equipment conforming to the specifications and other requirements given in the Annexure-I for the following instruments:**

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The tenders have to be submitted in accordance with the terms and conditions given in pages 2 -4.

Terms and Conditions

(a) Instructions to the Bidder

1. Preparation of Bids : The tenders should be submitted under the two bid system, viz., **Technical bid** and **Financial bid**.
2. 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 the Terms and Conditions below.
3. 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 tenders or their representatives as may choose to attend. The technical bids will be opened first and they will be examined by a Technical Committee, which will decide the suitability as per the specification and requirement. The financial offer bid will be opened only for those offers/bids, which technically meet all the requirements and specifications. The bidders, if interested, may also participate on the tender opening date and time. 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.

Secretary
Spices Board, Kochi-25

HINDI VERSION FOLLOWS

(b) Terms and Conditions of the Tender

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.

1. The last date for the submission of the tender will be at **5:00 pm on 22nd June 2015** at the following Address:
Scientist D & Head (QEL)
Spices Board, Sugandha Bhavan, NH Bypass,
Palarivattom Po, Ernakulam, Kerala - 682 025
2. Tenders received after the due date and time for whatever reasons will not be considered. The offer/bids should be submitted in a manner of two bid system, i.e. [1] Technical Bid (with EMD) and [2] Financial Bid. **Tenders received with both the bids in the same cover shall be summarily rejected.** Tenders for each instrument has to be submitted independently and separately.

i. The Technical Bids:

While submitting the technical bid for for any of the instruments in Sections I and II below, the following rules must be followed :

1. The technical bid should consist of all technical details along with commercial terms and conditions.
2. The Technical bid should contain the following documents:
 - Details of the tender, filled in the **Section I** given in the specifications of each instrument.
 - Compliance with technical specifications, filled in the **Section II** given in the specifications of each instrument.
 - In the technical bid, **Section III**, format for entering the financial details, **should be left blank. If financial details are found in the technical bid, the bid will be rejected.**
 - **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.
 - Technical bids received without filling in Section I and Section II, or without the signed *declaration of the bidder*, will 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. Any technical literature, brochures, specification sheets etc relevant to the quoted model must be included.
5. The Technical Bid **of each instrument** should be submitted separately in a **sealed cover** superscribed “**Technical Bid – (Name of the Instrument),QEL/COE/ML/2015**” and addressed to the Scientist D & Head (QEL) (See 1 above).

ii. Financial bid:

1. Financial bid should indicate item wise price for the items mentioned in Technical Bid. Detailed pricing including all charges for accessories, supporting instruments, items, quoted in Indian Rupees, extended warranty, shipping, insurance, taxes, installation charges etc. should be clearly indicated. Unit rate along with split up para of the item quoted shall be given.
 2. The rates should be indicated clearly both in figures and words. If there is any variation between the rates in figures and in words, the rates given in words will be considered for evaluation. The rates should be firm and valid for 90 days from the date of opening of financial bid. The tenderer should put full signature at least any scoring off/corrections/or over writings. The rates quoted should not be subject to any price variation clause.
 3. A summary of the financial bid should be submitted in the format given in **Section III** in the specifications of each instrument. This should be accompanied by the 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.
 4. *Financial bids received without filling Section III, or without the signed declaration of the bidder, will be rejected.*
 5. The Financial Bid should also be in a **sealed cover** superscribed “**Financial Bid –(Name of the Instrument) QEL/COE/ML/2015**” and addressed to the Scientist D & Head (QEL) (See 1 above).
- iii. Both the sealed covers viz., Technical and Financial Bids should be put into a bigger cover, along with EMD (See 3 below) and sealed. This cover should be superscribed “**Technical and Financial Bids for (Name of the Instrument) QEL/COE/ML/2015**” and addressed to the Scientist D & Head (QEL) (See 1 above).
- iv. The tenders will be opened at the Quality Evaluation Laboratory Spices Board, Kochi at **10**

AM on 23rd June 2015 . Only the Technical Bids will be opened on this date. The bidders who qualify in the Technical Bid will be informed of the date of opening of the Financial Bids.

3. **EMD:** (a) 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 . (b) Bank Guarantee will not be accepted towards EMD. 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. (c) The EMD will be returned without any interest to the unsuccessful bidders after the award of the contract.
4. **Agreement Purchase Order forfeiture of EMD:** EMD will be forfeited if the tenderer
 - i. withdraws his tender or backs out after acceptance
 - ii. fails to remit the performance security
 - iii. violates any of the conditions prescribed in the tender notice
 - iv. revises any of the terms quoted, during the validity period
5. **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 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.
6. **Customs Clearance of instruments:** 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.
7. If an Indian Agent is involved, the following documents must be enclosed:
 - i. 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.
 - ii. Copy of the agency agreement with the foreign principal and the precise relationship between them and their mutual interest in the business.
 - iii. The enlistment of the Indian agent with Director General of Supplies & Disposals under the Compulsory Registration Scheme of Ministry of Finance.
8. 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 in Sl.No.IV. Tenders for a prototype machine will not be accepted.
9. Original catalogue (not any photocopy) of the quoted model duly signed by the principals must accompany the tender.
10. 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. This data has to be generated using the quoted model, by the bidder's own application laboratory in India, as a proof of capability to provide application support. In case more than one model is quoted, the performance data for each model should be submitted separately. 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. 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.

11. **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.
12. **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.
13. **Payment:** No Advance payment will be made for Indigenous purchase. Payment shall be made only after satisfactory installation is agreed to wherever the installation is involved.
14. **Warranty/Guarantee:** The offer should clearly specify five years warranty 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.
15. **User's List:** The offer should include a detailed list of users as required in the specifications of each equipment.
16. **Late offer:** The offers received after the due date and time will not be considered.
17. **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.
18. **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.
19. The tenderer must sign and affix seal on every page of the tender document and furnish a certificate acknowledgment as shown below:

(c) 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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

1. Electronic Balance - 5 Digit Precision

(6 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
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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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Electronic Balance – 5 Digit Precision (6 Nos.)

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 pan \varnothing 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 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	Full operation manual should be provided.			
11	User list for the quoted model in India with full contact information should be provided.			
12	Full warranty information should be provided.			
13	A compliance statement with each point in the specification should compulsorily accompany the quotation, without which the quotation will be considered incomplete.			
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.			
18	Repeatability at least 0.03 mg.			
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			
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.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Electronic Balance 5 Digit Precision

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

2. BOD Incubator

(7 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

BOD Incubator (7 Nos.)

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			
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.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
BOD Incubator

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

3. Bacteriological Incubator

(6 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Bacteriological Incubator (6 Nos.)

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 32 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.			
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.			

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Bacteriological Incubator

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

4. Stomacher

(4 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Stomacher (4 Nos.)

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			
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.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Stomacher

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

5. Biosafety Cabinets (CLASS II - Type B2)

(5 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Biosafety Cabinets (CLASS II - Type B2) (5 Nos.)

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 μ < 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) Conforming to NSF/ANSI 49,USA & En12469 standards.			
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: 90 fpm at initial set point			
6	Noise level: 65 decibel on “A” scale ± 5 as per NSF 49			
7	Pressure Differential: Dwyer, USA Make Magnehelic / Minihelic Gauge (0-25 mm) – 01 no. / Unit			
8	Ultra violet lamp: 3 feet, 30Watt - Original - Philips, Holland make - 1 No.			
9	Illumination: 4 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, with Feather touch Motorized operation, 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 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	ULPA 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	<p>Note: The following test should be carried out at the time of installation and the corresponding calibration certificate should be provided.</p> <ol style="list-style-type: none"> 1. Laser Particle Count test to confirm the cleanliness level 2. Velocity Measurement Test to adjust required velocity 3. Differential pressure measurement to confirm the HEPA filter condition 			
35	<p>The following certificate should be provided with each unit:</p> <ol style="list-style-type: none"> 1. Design Qualification (DQ) 2. Installation Qualification (IQ) 3. Operational Qualification (OQ) 4. Performance Qualification (PQ) 5. Test Certificate for Mini-Pleat HEPA Filters 6. Calibration Certificate for Pressure Gauge 7. Calibration Certificate for Air Velocity Anemometer, Laser Particle Counter Test Certificate & Report 8. Warranty Certificate 			
48	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.			
49	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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an on-site visit.			
2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided.			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			

7	Agency commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			
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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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Biosafety Cabinets

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

6. Serological Water Bath with Stirrer

(9 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Serological Water Bath with Stirrer (9 Nos.)

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 ±0.1°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.			
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.			

3	Full warranty details for the instrument, with the list of items covered under the warranty, should be provided.			
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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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Serological Water Bath with Stirrer

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

7. Forced Convection Hot Air Oven

(6 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Forced Convection Hot Air Oven (6 Nos.)

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			
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.			
3	Complete warranty information along with the list of items covered under the warranty should be provided.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Forced Convection Hot Air Oven

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

8. Digital Colony Counter

(5 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Digital Colony Counter

(5 Nos.)

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			
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.			
3	The full warranty information with details of parts covered under the warranty should be provided.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Digital Colony Counter

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

9. Binocular Microscope integrated with HD Camera, Software and Computer

(6 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Binocular Microscope integrated with
HD Camera, Software and Computer
(6 Nos.)

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 +/- 1degree.			
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, Sharping 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			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an on site visit.			
2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided.			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			

5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid

Binocular Microscope integrated with HD Camera, Software and Computer

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

10. pH Meter

(6 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

pH Meter

(6 Nos.)

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: $\pm 0.002 \text{ pH} \pm 1 \text{ Digit}$			
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: $\pm 0.5 \text{ pH}$			
8	mV Range: 0 to $\pm 1999.9 \text{ mV}$			
9	mV Resolution: 0.1 mV			
10	mV Accuracy: $\pm 0.5 \text{ mV} \pm 1 \text{ Digit}$ 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: $\pm 0.5 \text{ }^\circ\text{C} \pm 1 \text{ Digit}$			
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			
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.			

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
pH Meter

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

**11. Fully Automatic Top Loading Autoclave
(12 Nos.)**

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Fully Automatic Top Loading Autoclave
(12 Nos.)

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			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an on site visit.			
2	All parts of the instrument, accessories and supporting			

	instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided (as applicable).			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Fully Automatic Top Loading Autoclave

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

Technical Specifications

(To be submitted by the Bidder)

12. Pathogen Screening System

(5 Nos.)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. Incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Pathogen Screening System
(5 Nos.)

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.			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an on site visit.			
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2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided (as applicable).			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Pathogen Screening System

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

13. Microbial Enumeration System

(6 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Microbial Enumeration System
(6 Nos.)

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 shall be an automated system for enumeration of a wide range of quality indicator organisms in 24/ 48 hours in food and dairy products.			
2	The operating principle is based on the enumeration by the Most Probable Number (MPN) method with 16 tubes in a single consumable, a miniaturized card.			
3	It shall be able to perform a variety of tests such as Total Viable Counts, Total Coliforms, E. coli Counts, Yeast & Mold Counts, Staphylococcus Counts, Lactic acid bacteria, Enterobacteriaceae, Bacillus cereus			
4	The system shall consist of Modular hardware units and Disposable test kits.			
5	Modular hardware shall include sample preparation and reading station.			
6	Sample Preparation Station			
7	Consist of one 144 tests media stand for easy access by the user.			
8	Dispensers with secondary diluent for media re hydration.			
9	One computer with a waterproof mini-keyboard, for data input and bar-code scanner for medium vial and card identification.			
10	One Filler/ Sealer instrument use vacuum to automatically transfer prepared sample-media mixture into the reagent test card and able to seal the cards automatically by hot knife in 3 minutes .			
11	Shall be able to fill and seal 6 cards simultaneously			
12	After the card are scanned, the related information will be relayed to the Reading station through a wireless WIFI connection in real time .			
13	Filler/ Sealer Dimension: 35 x 46 x 43 cm (w x d x h); Weight: 36.2 kg			

14	Reading Station			
15	Shall consist of one computer with a bar-code scanner and a mouse and software shall run on Windows XP operating user interface and based on graphical user interface.			
16	One reader shall be able to read the fluorescence value of each well of the card and interpret the microbial growth for each card .			
17	The reader shall be able to read 20 cards at the same time in less than 5 minutes.			
18	The results are sent to the computer and calculation of the enumeration result using the software inside. The results are shown on the screen or printed out by color printer when asked by the operator .			
19	Reader Dimension: 43 x 74 x55 cm (l x d xh); Weight: 35.80 kg			
20	Disposables			
21	Card with 48 micro-wells and each corresponds to a dilution tube and the size of the well corresponds to 1 to 3 levels of dilution.			
22	Each card shall have a bar code label which indicates the serial number of the card that determines the card type, lot number and expiration dates.			
23	The culture medium , containing in a bar-coded vial, shall be in dehydrated format and contain fluorescent indicator substrate.			
24	During sample inoculation, the vial of medium and the card are linked through a pre-inserted tube. The culture media-sample mixture are distributed in the wells of the cards by vacuum filling and sealed in the Filler / Sealer instrument automatically.			
25	The bacteria multiply during incubation and metabolize the culture media inside the wells.			
26	According to the number and size of the positive wells (fluorescent or non-fluorescent), the system uses statistical methods to calculate the number of micro-organisms present in the initial sample. The final result is expressed in CFU/g			
27	Detection Limit			
28	1:40 dilution: 10-49000CFU/ g of the food sample			
29	1:400 dilution: 100-490000CFU/ g of the food sample			

30	International Validations			
31	AFNOR and AOAC			
32	Electrical requirements			
33	Input voltage: 220/ 240V			
34	Current: 2.0 Amp			
35	Input frequency: 50 to 60 Hz + /- 5%			
36	Environmental Requirements			
37	Operational Temperature: 15-30°C			
38	Humidity: 20%-80% RH, non-condensing			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an on site visit.			
2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided (as applicable).			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency			

	under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			
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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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Microbial Enumeration System

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

**14. Automated Microbial Identification System Using Advanced Colorimetry
(6 Nos.)**

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Automated Microbial Identification System Using Advanced Colorimetry (6 Nos.)

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.			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an onsite visit.			
2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided (as applicable).			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency			

	under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			
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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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid

Automated Microbial Identification System Using Advanced Colorimetry

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

**15. Microbial Genotyping System Through rep-PCR
(1 No.)**

Technical Specifications
(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Mumbai (Maharashtra)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Microbial Genotyping System Through rep-PCR
(1 No.)

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 a compact bench top model.			
2	The system should be based on repetitive PCR technology followed by micro-capillary electrophoresis based detection in a DNA chip .			
3	The system should be capable of performing microbial fingerprinting through a secure web based appropriate software which allows access from anywhere even outside the laboratory.			
4	The software should be such that it allows data storage in high quantity with no option/ provision for deleting any data.			
5	The system software should allow normalization of raw data and enable the user to choose samples to be analyzed based on the finger prints generated.			
6	The detection should be based on DNA chip technology having the possibility of running multiple samples and DNA ladder (minimum of 10 samples /chip/hour).			
7	The system should be such that the whole process of DNA fingerprinting should be complete with results within 6 hours for all the samples run on a chip.			
8	The software should allow multiple algorithms for data analysis and should have online libraries (access through online).			
9	The result reporting of the software should be in the forms of Dendograms, Similarity matrix, Gel images/virtual gel images & Cluster formations showing samples of similar finger prints.			
10	The data analysis should have provision for Comparison of selected samples (even from previous runs) to external finger printing library via internet & Creation of unique user based library.			
11	The system should have a broad menu for microbial finger printing with different types of kits to choose from (> 40).			
12	The system should identify microbial isolates quickly and			

	accurately at Subspecies and strain level.			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an on site visit.			
2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided (as applicable).			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid

Microbial Genotyping System Through rep-PCR

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

**16. Automated Pathogen Detection System Using PCR
Coupled With Immunomagnetic Separation As Sample Preparation
(6 Nos.)**

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Automated Pathogen Detection System Using PCR
Coupled With Immunomagnetic Separation As Sample Preparation
(6 Nos.)

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 Method must utilize a probe-based PCR technology for advanced precision and accuracy.			
2	The Method must be a complete system of Instrumentation and Reagents, fully integrated to provide optimal performance.			
3	The Method must utilize the PickPen multi-channel device during sample preparation to perform Immunomagnetic Separation (IMS) for efficiency and ease of use.			
4	The Reagents for the Method must be delivered in a kit and must be ready to use.			
5	The Reagents in the kit must include the magnetic beads needed for the sample preparation for Salmonella detection.			
6	The Reagents must contain primers and probes highly sensitive and specific to Salmonella, the target organism.			
7	An Internal Control must be present in each reaction tube, to monitor inhibition, another challenge of spices as sample matrices, not just per run, but per sample.			
8	Instrumentation must be loaded with software pre-programmed to perform Salmonella testing using the Reagents. All parameters needed for the optimal PCR process for Salmonella detection shall be pre-defined for the user.			
9	Instrumentation must have multiple channels to detect the target and internal control distinctly and separately, and should have a rotary cycler ensuring uniform temperature fluctuations for amplification.			
10	The Method should deliver rapid results for spice matrices, including sample enrichment, in 24 +/-2 hours.			
11	The Method must be specifically third party Validated for spice matrices, preferably as an AOAC OMA.			

12	Options of automation of the sample preparation after enrichment must be provided and made available.			
13	The method must have the facility of automation of the Immunomagnetic step & reagent addition step in a single run & must have the capacity to run 48 samples every half hour.			
14	The automation of sample preparation must have a Touch screen system/ I pad showing each step being followed to the user and must have Options for reagent delivery and also for carrying out the Immunomagnetic separation step through this device.			
15	The system should be compatible to upgrade and run spice matrices for the detection of food borne pathogens other than Salmonella using appropriate testing kits in future.			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an on site visit.			
2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided (as applicable).			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency			

	under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			
--	--	--	--	--

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Automated Pathogen Detection System Using PCR
Coupled With Immunomagnetic Separation As Sample Preparation

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

**17. Microbial Identification System Using MALDI-TOF
(2 Nos.)**

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala) and Mumbai (Maharashtra)

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Microbial Identification System Using MALDI-TOF
(2 Nos.)

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 with suitable Software, data base and workstation for microbial identification including Bacteria (Gram Negative, Gram Positive, Aerobic, Anaerobic Bacteria) and Mycobacterium (both MTC and NTM), Filamentous Fungi, Moulds. The System should also be capable of doing basic Protein analysis such as MW profiling & determination, Biomarker analysis and also for SNP studies.			
2	Instrumentation			
3	MALDI – TOF based microbial identification system with the capability of fast measurements and high reproducibility.			
4	System must have more than 5000 Strains in the database.			
5	System should have Linear TOF measurement.			
6	System should have oil free vacuum pumps for easy maintenance.			
7	System should accept 96 position Stainless steel, reusable MALDI target plates for sample loading.			
8	System should be equipped with Nitrogen Laser preferably 337nm with repetition rate up to 1-60hz.			
9	MALDI Ion source with integrated source cleaning with IR Laser for faster cleaning of source through software command by the user. Capable to clean in 15 to 20 minutes is preferable.			
10	Should have 21 CFR, Part 11 compliance with audit trail to suit the requirements of testing labs especially for samples from food, food processing and related industries.			
11	Should Provide IQ/OP/PV documents and certified reagents.			
12	Analytical Parameters			
13	Capable of identifying microbes up to species level.			

14	Should be very sensitive and able to detect low amount of input cells $\sim 10^5$.			
15	Should be a high throughput system, preferably 1 minutes/ sample or better.			
16	Capable of taxonomical classification.			
17	Should accept different samples from both non-clinical and clinical origin such as food processing, environmental etc.			
18	Capable denoting mixed population (at least 2 species) in a mixed culture.			
19	Software			
20	Should be Windows based, versatile, easy to use instrument control, and database and analysis software.			
21	Results should be displayed directly with the species of microbe.			
22	Should capable to do in-depth analysis with bio-informatics tools for sub-typing, PCA, Dendrogram.			
23	Should have sample management part with origin, growing conditions, preparation details and life cycle data of reference spectra within the database.			
24	Should have taxonomy trees against reference spectra concerning taxonomic relationships.			
25	Database			
26	Should have Database of > 5000 strains.			
27	Should include >100 Mycobacterium species and 100 Filamentous Fungi Species.			
28	Should be integrated with a ready to use reference library.			
29	Should have automatic regular updates of the database.			
30	Custom Library			
31	System should have software capability to generate database for new microbial species by the user at his lab itself.			
32	Database should have open architecture to allow customized in-house library generation, which can be used for microbial ID further.			
33	Workstation			
34	Suitable windows operating workstation with the minimum configuration of i5 processor, 8 GB RAM, 1 TB hard disk, MHz digitizer, DVD rewriter with other accessories, high resolution LED 23" colour monitor and Colour Laser Printer.			

35	Accessories, Consumables and Miscellaneous items			
36	Essential target plates (5 nos), Matrix & Standard for mass calibration and Bar code scanner should be provided.			
37	All consumables required for installation and for the demonstration of system to be provided.			
38	Suitable Software for basic protein analysis such as Protein MW profiling & determination, Biomarker analysis and also for SNP studies to be provided.			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an onsite visit.			
2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemised list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided (as applicable).			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Microbial Identification System Using MALDI-TOF

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

**18. Electric Sterilizer For Inoculation Loop
(12 Nos.)**

Technical Specifications
(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Electric Sterilizer For Inoculation Loop
(12 Nos.)

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.			
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.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Electric Sterilizer For Inoculation Loop

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

19. Vertical Laminar Airflow Unit

(5 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Vertical Laminar Airflow Unit (5 Nos)

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 μ < 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 ± 20 %			
6	Noise level: 65 decibel on “A” scale ± 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: 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 Acrylic sheets			
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. <ol style="list-style-type: none"> 1. Laser Particle Count test to confirm the cleanliness level 2. Velocity Measurement Test to adjust required velocity 3. Differential pressure measurement to confirm the HEPA filter condition 			
33	The following certificate should be provided with each unit: <ol style="list-style-type: none"> 1. Design Qualification (DQ) 2. Installation Qualification (IQ) 3. Operational Qualification (OQ) 4. Performance Qualification (PQ) 5. Test Certificate for Mini-Pleat HEPA Filters 6. Calibration Certificate for Pressure Gauge 			

	<p>7. Calibration Certificate for Air Velocity Anemometer, Laser Particle Counter</p> <p>8. Test Certificate & Report should be provided</p> <p>9. Warranty Certificate</p>			
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.			

Comprehensive Warranty

1	The warranty period should be 5 Years. All breakdown of the instrument should be addressed within 24 hours by an on-site visit.			
2	All parts of the instrument, accessories and supporting instruments should be covered under the warranty. If any accessory / spare part / consumable is not covered under the comprehensive warranty, then the itemized list of such items, including their prices during the period 2014-15 and average lifetime of the items should be provided.			
3	The equipment should be installed at the proposed site, demonstrate the required objective of the test with the claimed limit of detection/quantification with the sample provided.			
4	Training should be given to the staff at the site, for the operation of the instrument on demand			
5	Any accessory system(s) other than those mentioned in the technical specifications, that are required for satisfactory installation of the system should be quoted and supplied with the instrument.			
6	Agency commission: Agency commission if any will be paid to the Indian agent in rupees on receipt of the equipment and after satisfactory installation.			
7	Agency commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in tender even in case of Nil commission. The tender should indicate the percentage of Agency commission to be paid to the Indian agent.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Vertical Laminar Airflow Unit

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	[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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

20. Single Channel Variable Volume Micropipettes

(Total 60 Nos./10 Each Lab)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Single Channel Variable Volume Micropipettes (Total 60 Nos./10 Each Lab)

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			
0.5 11	Volume range & Quantity required: A) 0.5 - 10 µl (12 Nos.) B) 2 - 20 µl (12 Nos.) C) 10 - 100 µl (12 Nos.) D) 100 - 1000 µl (24 Nos.)			
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.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Single Channel Variable Volume Micropipettes

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

21. Combined Refrigerator and Freezer

(6 Nos.)

Technical Specifications

(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
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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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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

Combined Refrigerator and Freezer (6 Nos.)

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.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Combined Refrigerator and Freezer

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE

22. Laboratory Blender
(6 Nos.)
Technical Specifications
(To be submitted by the Bidder)

Quotation Reference: SB/QEL/PUR/COE/ML/Instruments/2015 dated 22-May-15

Location of Supply and Installation:

The Instrument(s) will be required to be delivered and installed at the following locations:

Spices Board Quality Evaluation Laboratories located at Kochi (Kerala), Mumbai (Maharashtra), Guntur (Andhra Pradesh), Chennai (Tamil Nadu), Narela (Delhi) and Tuticorin (Tamil Nadu)
--

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 III is to be left blank. incompleteness in filling up this form or failure to attach the required supporting data or documents, may result in rejection of the quotation.

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
Laboratory Blender
(6 Nos.)

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: 750 mL, Stainless steel Jar with steel blades-1 Piece stainless steel cap.			
7	Cord: 2 Mtr. - Three conductor grounder cord			
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.			

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

Please see section III below for financial bid. **Section III is not to be filled in the Technical Bid.**

Section III: Financial Bid
Laboratory Blender

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.

SIGNATURE OF TENDERER

SEAL OF THE COMPANY

DATE