

QUOTATION NOTICE

1. Sealed competitive quotations are invited from the suppliers of reputed brands of the following **Lab Equipments, as per the specifications given in annexure I**, required for the Board's Quality Evaluation Laboratories at **Mumbai, Chennai, Delhi, Tuticorin and Cochin**.

1. Recirculating Chiller	: 6 Nos
2. Suction exhaust hood	: 1 No
3. Heavy duty mixer	: 1 No.
4. Micro Mill	: 1 No
5. Sonicator	: 1 No.

2. The proposals for supply of equipments with all necessary accessories and spares, as detailed in the specification, should give break up of **cost, excise duty/sales tax/VAT, packing and forwarding charges, freight, insurance etc (as applicable)**. If the rates quoted do not include sales tax/excise duty or any other taxes/charges, the same should be specifically stated.

3. The sealed cover containing the quotation should be super scribed as **"Quotation for Equipments Due on 22 -03 -2011 "** and should be sent to **The Senior Scientist, Quality Evaluation Laboratory, Spices Board, Sugandha Bhavan, NH By-pass, P.B No.2277, Palarivattom, Kochi -682 025**.

4. Late quotations will not be accepted. The quotations will be opened in the presence of bidders or their authorized representative who may be present at the venue in time.

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Last date & time for the receipt of quotations	22-03- 2011 (5.00 PM)
Date & time of opening the quotations	23-03-2011 (11 :00 AM)

5. Quotation should give detailed specifications of equipments on offer, brand name, terms & conditions of supply, guarantee/warranty period, after sales service details, delivery period, the customer list including name of contact persons with telephone No./E-Mail ID etc. A statement of compliance with specifications should accompany the quotation. Onsite training of personnel if required, is to be conducted immediately after installation of the equipment.

6. The quotations should be submitted at its lowest rate along with statement of compliance with technical specification. Clarification if any, can be had from Senior Scientist (QC), Quality Evaluation Laboratory, Spices Board or e-mail to sbqelkochi@gmail.com

7. The delivery of the equipments shall be made at Board's Lab at **Mumbai within 15 days** on receipt of the supply order from the Spices Board

8. Full payment will be made only after satisfactory installation of the equipment at the site.

9. The Spices Board reserves the right to accept the quotation in full or in part or to reject without assigning any reason.

Secretary

Encl. annexures

SPECIFICATION FOR RECIRCULATING CHILLER

Sr.no	particulars	Minimum specification	Required Nos
1	Features	Vertical type, mobile, capable of cooling water through minimum 6no. of condensers set at temperature range 50-120c for not less than 8h	2 for Mumbai 1 each to Cochin, Delhi, Chennai & Tuticorin (Total 6 Nos.)
2	Working temperature	+5 to 30°C	
3	Temperature stability	At least +/-1°C	
4	display	Digital	
5	Cooling capacity	800w	
6	Flow rate circulator	3 Liters per minute	
7	Reservoir volume	5L	
8	Dimensions (wxhxd)cm	40x50x60, compatible for placing under lab tables	
9	insulation	Reinforced insulation / tubing	
10	Installation and commissioning will be the responsibility of the supplier		
11.	Comprehensive warranty for 5 years for the complete equipment including all accessories and support systems should be provided. Any break down of the system during the warranty period has to be resolved in 48 hrs.		

Specifications for suction exhaust hood

Material : Stainless steel (18 gauge)

Size : 8ft (L) x 2ft(d) x 2½ft(H) with six suctions with one outlet and one blower.

Requirement : 1 No. for Mumbai Lab

Annexure 3

Specifications for Heavy Duty Mixer/Grinder

1. Powerful motor (230 v, 50 Hz) with fan to avoid over heating
2. RPM more than 3000
3. Stainless steel mixing attachments of 2L and 4l capacities
4. Easy cleaning design
5. Heavy duty cutting edges
6. Suitable for powdering dry spices
7. Electronic speed control
8. Safety system to prevent uncontrolled starting
9. Minimum one year warranty
10. Timer
11. 5 No. of blade assemblies and other frequent consumables is to be quoted separately

A compliance statement with respect to each point in the above technical specification should accompany the quotation, without which the quotation will be deemed incomplete. A users list is also to be provided.

Requirement: 1 No. for Mumbai Lab

Specifications for Micro mill

1. Suitable for powdering dry turmeric and ginger
2. Sample input 500 g
3. Output mesh size 0.5 to 5 mm
4. Heavy duty brush less motor (230 v/50 Hz)
5. Over heating and blocking protection
6. Easy cleaning design
7. Size less than 50X50X50 cm³
8. Electronic speed control
9. Safety switches for automatic OFF

A compliance statement with respect to each point in the above technical specification should accompany the quotation, without which the quotation will be deemed incomplete. A users list is also to be provided.

Requirement: 1 No. for Mumbai Lab

Specification for Sonicator 9L

Sl No	Details	Main specification
1.	Capacity	9L
2.	Tank size :	30cm LX20cmBX15cmH
3.	Wattage	250W
4.	Fully SS body and SS tank	
5.	Digital timer	
6.	Operating Frequency	+/- 3KHz
7.	Microcontroller based timer	
8.	Stand by supply of LID, Basket etc	
9.	Heater	
10.	It should be compact,, rugged and highly durable	
11.	Requirement : 1 No. for Mumbai	