



Indian Cardamom Research Institute

SPICES BOARD

(Government of India)
(Ministry of Commerce and Industry)
Myladumpara
Kailasanadu P.O.,
Idukki District - 685 553
Kerala

भारतीय इलायची अनुसंधान संस्थान

स्पाइसेस बोर्ड

(भारत सरकार)

(वाणिज्य एवं उद्योग मंत्रालय)

मैलाडुंपारा,

कैलासनाड पी.ओ.

इडुक्की जिला - 685 553

केरल

No.Adm/B/Path/4/08 /1311

06/01/2011

QUOTATION NOTICE

Sealed competitive quotations are invited from suppliers of reputed brands for the supply of **Lab equipments** as per the specifications mentioned in Annexure 1,2,3 &4 for Indian Cardamom Research Institute, Spices Board, Myladumpara, Kailasanadu P.O., Idukki (Dt.), Kerala. The items shall be supplied and installed at ICRI, Myladumpara.

The proposal for supply of equipments with all necessary accessories and spares, as detailed in the specification, should give break up cost, excise duty/sales tax/VAT, packing and forwarding charges, freight charges, insurances etc (as applicable).

The sealed cover containing the quotation alongwith broucher and terms and conditions should be superscribed as "Quotation for Lab Equipments, Due by 31/01/2011" and should be sent to **The Director (Research), Indian Cardamom Research Institute, Spices Board, Myladumpara, Kailasanadu P.O., Idukki (Dt.), Kerala-685 553.**

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

| | |
|--|------------------------------|
| Last date and time for the receipt of quotations | 31/01/2011 (5 pm) |
| Date and time of opening of the quotations | 01/02/2011 (10am) (next day) |

Quotation should give detailed specification of equipments on offer, brand name, terms and conditions of supply, guarantee/warranty periods, after sales service details, delivery period, the customer list including name of contact persons with telephone no./ email id etc. Onsite training of personnel, if required, is to be conducted immediately after installation of the equipments. The quotations should be submitted at its lowest rate alongwith statement of compliance to the annexure. Clarification if any can be had from Scientist, Plant Pathology Division, ICRI, Spices Board, Myladumpara.

As Indian Cardamom Research Institute is eligible for custom duty exemption, the price may be quoted in foreign currencies also.

The Director (Research), ICRI, Myladumpara, reserves the right to accept the quotation in full or in part or to reject without assigning any reasons thereof.

Asst. Director (Admn.)

Encl. Annexure- No.1, 2, 3 & 4

DESPATCHED
Date... 6/1/11...

Phone :Office: 04868-237206 & 237207; Fax: 04868-237285

E.mail icrimyla@yahoo.com

Website: www.indianspices.com

ANNEXURE I

Specifications for Gradient PCR machine

- Gradient thermal cycler with Peltier heating and cooling based system.
- Block of 96 x 0.2ml capacity
- Maximum ramp rate of 5 degC/second
- Adjustable heated lid
- Block and calculated temperature control modes.
- Programme to run standard, fast or ultrafast protocol.
- Temperature range: 0-100 deg C
- Temperature accuracy: ± 0.2 deg C
- Gradient range : 30-100⁰C
- High resolution color display and have USB ports
- Memory of >1000 programs with further expansion through a USB Flash drive for transfer of files.
- Option to protect files with optional log-in
- Should have PCR License for Research & IVD Applications
- Warranty: 4yrs

ANNEXURE II

Specifications for Horizontal (submarine) gel electrophoresis unit with power pack

A. Horizontal gel electrophoresis unit

- Gel size of 15x10cm
- Safety lid
- UV transparent gel tray of size 15x10cm with integrated fluorescent ruler
- Tape free gel casting module
- Two or more 1.5mm 15- & 20-well fixed height combs
- Option for adjustable height combs with comb holders

B. Power Pack Basic Power Supply

- Output range (programmable): 10–300 V
- Type of output: Constant voltage, constant current with automatic crossover
- Output terminals: 4 pair recessed banana jacks floating in parallel
- Timer: 1–999 min, fully adjustable
- Pause/resume run function
- Display: LED
- Operating conditions: 0–40°C; 0–95% humidity in the absence of condensation
- EMI: Conforms to CE Standards for Emissions and Immunity class A, tested only at 230 V; TÜV EMC certification
- Warranty:4yr

ANNEXURE III

Specifications for Gel documentation system

- Imaging system should have automatic capabilities with application driven, user selected or recalled by a protocol.
- Pre-calibrated focus for any zoom settings & sample height.
- Appropriate flat fielding correction automatically & consistently applied to image data for every application.
- 12 bit true CCD camera with resolution of 1392 X 1040 μm .
- Precalibrated & optimized dynamic image flat fielding
- Universal dark hood & upgradeable to chemiluminescence.
- Motorized zoom lens: F1-22, focal length:12-75mm
- Image analysis software
- Warranty: 4 year

ANNEXURE IV

Specifications for Refrigerated Microcentrifuge

- Max rcf: 17,000xg
- Max speed: 13,300rpm
- 24 x 1.5/2 ml rotor with click seal biocontainment lid, 230V 50/60Hz
- Time set range: 1 min - 99 min, increments + hold mode
- Temperature range: -10°C to +40°C, per 1 °C increment
- Digital display
- Fast acceleration and breaking
- Warranty: 4yr