

**CENTRAL SERICULTURAL GERMPLASM RESOURCES CENTRE  
CENTRAL SILK BOARD  
MINISTRY OF TEXTILES – GOVT. OF INDIA  
P.B. 44, THALLY ROAD, HOSUR**

Phone: 04344 – 221148  
FAX : 04344 – 220520  
Grams:GERMPLASM

No.CSB/GRC/SE/2011/Admn

Date: 1-8-2011.

To,

Sirs,

**Sub:- Inviting competitive quotations for supply of CO2 Incubator for -  
Embryo culture for Conservation of serigenetic resources - reg.**



This office is interested in purchase of 1 No CO2 Incubator for embryo culture for conservation of serigenetic resources on detailed specification enclosed. The interested Manufacturer/Firms/Suppliers may offer their lowest rate for the same. They should indicate the discount to be allowed on quoted value and clearly indicate the Tax/Transportation charge if any. on the following Terms and Conditions. They should also enclose Catalogue and users list with their quotation.

Quotation should be addressed to the Director, Central Sericultural Germplasm Resources Centre, P.B. No 44, Thally Road, Hosur – 635 109, Krishnagiri Dist, Tamil Nadu and sent in a sealed envelope superscribing as the “QUOTATION FOR SUPPLY OF 1 NO. CO2 INCUBATOR FOR EMBRYO CULTURE FOR CONSERVATION OF SERIGENETIC RESOURCES”. The quotation should reach this office on or before 25-8-2011 at 15.00 hours. The quotations received after the due date and Time of receipt will be rejected summarily. The Quotations will be opened by a Committee on the same day at 3.30 pm.

The Director reserves the right to accept or reject any or all quotations without assigning any reason whatsoever.

.....2/-

**TERMS AND CONDITIONS**

1. EMD Quantum Rs.8,000/-

Form : Demand Draft, Bank Guarantee favouring Director, Central Sericultural Germplasm Resources Centre, Hosur, payable at Hosur Branch. No interest will be paid.

2. Validity : Rate quoted should be valid for 90 days.

3. Delivery : Within 15 days from the date of receipt of the Purchase order.

4. Inspection : Pre-inspection of the items will be made if required.

5. Rate per unit should be quoted such as per piece / per metre etc. & Destination: CSGRC, Hosur.

6. Payment schedule : By Demand Draft or cheque after receipt of the stores in good condition and conforming to specification.

7. Taxes/VAT/Other statutory duties should be indicated separately. Please note that no form "C" or "D" will be issued by this station.

8. Liquidated damages for delay & non supply: 0.5% will be deducted from the bill per week for not supplying the work within the stipulated time.

9. Submission of income tax clearance as issued by Income Tax Department & sales Tax clearance certificate as issued by State / Central Sales tax Department.

Yours faithfully,

Encl: Specification

  
DIRECTOR

## Technical Specification for –CO2 Incubator.

1. Direct Heat (Air-Jacketed), Moderate sized (150L-200L), Microprocessor controlled CO2 Incubator
2. Six-sided heating with fan-less convection air-circulation, should provide stable temperature control, uniformity and rapid recovery with no overshoot. Seamless stainless steel interior, adjustable stainless steel perforated shelves.
3. Dimension: Approx 25"W X 25"D X 35"H
4. Advanced Display and controller : Approx 5", minimum 3 days on board graphing capability of temperature gas and alarms.
5. Temperature Range: 10oC below ambient to 50oC with inbuilt peltier Cooling  
Control:  $\pm 0.1$ oC  
Stability:  $\pm 0.1$ oC  
Uniformity:  $\pm 0.1$ oC
6. Infra Red CO2 Sensor to provide superior accuracy and stability over traditional thermo-conductivity sensors.
7. Incubator to be supplied with 2-stage gas regulator (ISI Mark) with 2 CO2 gas cylinders along with cylinder opening keys (Indian).
8. CO2 GAS MANAGEMENT:  
Range: 0.2 – 20%  
Control:  $\pm 0.1$ %  
Stability:  $\pm 0.2$ %  
Uniformity:  $\pm 0.1$ %  
Recovery: Approx 0.5 – 1.0% per minute  
Gas Service Pressure: 0.5psi/0.35 bar
9. HUMIDITY:  
Reservoir: Removable stainless tray  
Volume: Approx 2-3 Liter  
Control: 95% RH @ 37oC
- 10 Perforated Shelves  
Qty Provided: Minimum 4  
Adjustability: Minimum 8 steps
- 11 Inner Glass Door should have standard seal
- 12 Standard 25 mm Access Port & RS232 Port for additional probes and equipments inside incubator.
- 13 Electricals:  
Voltage: 230V/50Hz
- 14 Weight:  
Net: 110 kg  
CE Certified
- 15 Should come with 3 KVA Voltage Stabilizer
- 16 Minimum 1 Year Warranty