

बीरबल साहनी पुराविज्ञान संस्थान, लखनऊ
BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES, LUCKNOW

टेलीग्राम पेलियोबॉटनी

दूरभाष 2740008,2742983

फैक्स ९१-91-522-2740485,2740098

बी सा पु सं /III/भंडार एवं क्रय/Lib

53, विश्व विद्यालय मार्ग

लखनऊ - 226007

Date: 08.05.2017

Lab Equipments(Details Attached)
① Heating Oven ② Teflon Coated Hot Plate &
③ Water bath Shaker.
Subject: -----

Dear Sirs,

This Institute intend to purchase item mentioned above. Sealed quotations are invited so as to reach this office on or before 5:00 P.M. on 24.05.2017 duly superscribed by "Lab Equipments".

While submitting quotation please note that:

1. The material may either of indigenous manufacturer or of foreign make, available from ready stock. Any offer to supply on forward Delivery Basis under suppliers own quota license will also be considered.
2. The price quoted should be F.O.R. Destination.
3. Your rates should include packing, insurance and forwarding charges.
4. The rates of Sales Tax should be clearly indicated wherever chargeable. The tendered should also indicate Central/Sales Tax Registration Number and date in this quotation.
5. Specific mention should be made whether the offer is for supplies available ex-stock. In case the officer is on Forward Delivery basis, firm delivery period must be indicated.
6. The cover should be sealed and superscribed "Quotation for "Lab Equipments" must be written on envelope. The quotations not complying the procedure will be rejected.
7. Payments will be made by crossed cheque on The Indian Overseas Bank, Lucknow only after receipt and acceptance of supply and installation/ if required satisfactory.
8. The acceptance of the quotation will rest with the Director who does not bind himself to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotation received without assigning any reasons.
9. The quotations are liable to be cancelled if any of the above mentioned conditions are not complied with.
10. The items may be increase or decrease at the time of purchase.

(Sanjay Kumar)
Registrar

10/5/17
Manoj Singh 24/5/17

Heating oven

Adjustable fan speed for application related airflow:

High speed for fastest drying and heating, quick recovery as well as best temperature stability and uniformity.

Reduced speed for applications that require minimal airflow, like drying of powders.

Programmable controller for temperature ramp and dwells.

Store up to 10 programs with ten discrete steps.

Features electronically controlled fan speed and damper positions.

Access port allows the introduction of sensors for independent data monitoring

A simple calibration routine ensures temperature accuracy over time

Boost function enables rapid heating up- no need to run the oven 24/7

Capacity: 171 liters / 6.1 cubic feet

Convection technology: mechanical convection

Temperature range: 50-330⁰c

Spatial temperature deviation at 150⁰c: ±1.8⁰c

Temperature deviation over time at 150⁰c: ±0.2⁰c

Footprint m²/sq.ft: 0.47/5.1

Chamber volume: 170 liters / 6.1 cubic feet

Number of shelves supplies /maxes: 2 / 19

Rated voltage/frequency: 230 / 50

Dimension chamber, mm / in (WXHxD) 464x708x518/ 18.3x 27.9x20.4

Exterior 1, mm / in (WXHxD) 640x920x738/25.2x36.2x29.1

Max. shelf load kg / 25 / 55

Rated voltage / frequency V /Hz 230 / 50

Rated power /max. Current W/A 3060 / 13.3

Weight kg / 69 / 152

Support stands with casters

100% acid proof

On site service

Warranty minimum 03 years

Authorization certificate required

User list at least ten user in National Lab

Digital display with timer

Teflon coated Hot Plate:

Hot Plate, Teflon coated

Hot Plate, general purpose laboratory hot plate, 240V. AC 600watts. Rectangular 200X180mm area with high temperature alloy plate for even plate temperature.

Temperature control provides heat adjustment from zero to full over a scale from 1 to 10. At the setting of 10, maximum plate temperature is approx 450⁰C. Ideal for general laboratory use.

This model has PTFE (TEFLON) coated top plate.

100% acid proof

On site service

Warranty minimum 03 years

Authorization certificate required

User list at least ten user in National Lab

Digital display with timer

Water bath shaker:

Includes:

Universal platforms- maximum flexibility for using a mix of different size lab ware on a single platform.

Flask clamp starter kit, includes 30129

- (1) Microscope clamp, 125 ml flask clamps,
- (2) 250 ml flask clamps, 500 ml flask clamps
- (3) 1 L flask clamps, 2L flask clamps PM
- (4) Chamber capacity up to 10 flask of 500 ml.

Temperature range: 5°C and above ambient to 65°C \pm 0.2°C at 37°C in flask

Variavble speed control from 15 to 500 rpm.

- Continuous and timed operation from 0.1 hour up to 999 minutes. View speed, operating time and temperature simultaneously on three individual LED displays.
- Visual/audible alert you to temperature deviations and low water levels. Heat turn off if temperature deviates \pm 10c of set point.
- Shaker shut down and visual/audible alarms signal if unit operates \pm 10% of set speed, preventing shaker from walking.
- User adjustable speed calibration can be performed using a digital handheld tachometer, where verification is required and protocols can be standardized.
- The unbalanced load sensor stops platform motion when excess vibration is detected and visual/audio alarm signal unit condition is corrected.
- Soft start feature eliminates the sudden start and steps splashing of vessel contents and wetting of flask closure.
- Retains parameters during power failure and restarts automatically after power is restored.

Safety:

Over temperature safety failure with independent thermostat provides additional backup of controlling heat if the main temperature controller fails.

Triple eccentric drive that handles heavy loads, provides uniform agitation and enables continuous 24-hour operation, even at high speeds.

- Monitored and controlled temperature with accuracy of \pm 0.2°C at 37°C in flask. Easy access drain with quick disconnect located in the front of the cabinet for convenience in draining and disinfecting.

- Alarm alert operator in case of low water level.
- Temperature range of 5°C above ambient to 65°C .
- Prevent heat loss and minimize evaporation with use of optional covers.
- Minimize splashing and turbulence in chamber and twin baffles even at high speeds.
- Optional cooling coil extends the range of applications to near and below ambient.

100% acid proof

On site service

Warranty minimum 03 years

Authorization certificate required

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Digital display with timer