

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

टेलीग्राम पेलियोबॉटनी

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बी सा पु सं /III/भंडार एवं क्रय/V.K.S/C-922

53, विश्व विद्यालय मार्ग

लखनऊ - 226007

Date: 07.12.2016

संयोजक वेबसाइट समिति,

बी सा पु सं, लखनऊ

LAB Equipments (Specification & Details attached)

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 30.12.2016 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.



(Dr.R.S.Singh)

Scientist 'G'

& Additional duties of Registrar

Technical Specification for Required Lab Equipment for Precambrian Maceration unit

Digital Hot Air Oven (Anti Rust)

Technical Detail:

Inner size	: 355 x 355 x 355 mm
Capacity	: 43 liter (approx)
Inner Chamber	: Stainless Steel (304 Grade)
Working temp. range	: Ambient+5°C to 250°C
Door lock	: Yes
Display	: LED
Gasket	: Door gasket
Power	: 220VAC, 50 Hz

Outer body - Total Stainless steel (304 grade).

Inner chamber – Total Stainless Steel (304) sheet.

Forced air circulation unit is fitted to ensure good mixing, strong dispersion and maintains higher temperature uniformity inside the chamber & no cross contamination.

The gap of 75mm between two walls is filled with Blanket.

Synthetic Door Gasket fixed on the double walled door for proper sealing.

Fitted with heavy hinges made of brass with a ball catcher, spring loaded door closing device. The door is duly insulated.

Adjustable two ventilation slides control inner air / vapour circulation on two sides.

Standard heating elements made of high quality material are placed in ribs at the bottom and sides for uniform heat distribution.

Inner chamber has support for placing the shelves at convenient levels. Supplied with stainless steel shelves.

Temperature is controlled by microprocessor based PID digital temperature indicator cum controller from Ambient +5°C to 250°C.

Temperature is displayed by Digital LED with SV and PV display at front of the oven.

Front Panel is provided with ON/OFF switch, temperature controller and two pilot lamps (indicators).

Supplied complete with all accessories required for the installation

If there is a difference of 5 – 8 deg C from any set value, then temperature recovery time up to set value is 20-40 min.

Temperature accuracy will be stable in 15-20 minutes after reaching the set value.

HOT PLATE (ANTI RUST)

Specification:

Size (L x B x H): 25 x 30 x 15 cm (10x12x6)

Continuous heating up to 350°C.

The body should be made of P.C.R.C sheet painted attractively with good stove enamel.

Top rectangular cast iron plate has insulated elements.

Capable to work on 220/230V AC supply

Water Bath Shaker (Anti Rust)

Technical Specification:

Platform size (inches)	: 18*18 Inches
Capacity	: Can hold 15x500 ml reagent bottles
Temperature Range	: Ambient (37°C) +5 to 80°C (For Heating Models)
Controller	: Microprocessor based PID Digital Temp Indicator -cum- Controller
Display	: Digital LED
Display resolution	: 0.1°C
Temperature stability	: ±1°C of set value
Heater capacity	: 1000 W
Temperature Sensor	: RTD (Pt-100)
Shaking Speed	: 5 to 50 cycles/min.
Shaking Stroke length	: 25 mm
Shaking Speed control	: By speed regulator (Quick and Easy)
Power requirement	: 220-240 VAC, 50Hz Single phase

The mother should be heavy duty

The inner bath chamber should be made up of Stainless Steel (SS-304 grade) food grade corrosion free.

Outer body and LID made up of total stainless steel 304 grade

Offers highest level of performance, flexibility and control for most demanding applications.

Minimum Noise and Vibration is ensured by Specially-designed shaking mechanism.

Electronically Controlled Shaking Mechanism provides Quiet Motion and Precise Speed Control.

Stainless Steel Bath for superior Durability & High Thermal efficiency.

An industrial grade energy efficient heater reduces power bills drastically with three side heating facility.

Stainless steel heating element for better life.

Double walled construction.

Space between the two walls is filled with Glass insulation in order to avoid thermal losses.

Speed regulator is provided on the front panel to control the motion (linear motion)

Fitted with heavy duty motor for continuous operation.

Drain Plug made of corrosion resistant material on the Back of the Bath

LEDs for indication of status (i.e. Heating, Load, On/Off)

Confirming ISO9001:2008 & CE certified