Sealed quotations are invited for the purchase of one unit of “Temperature controlled Shaker incubator” from the PLN03/EBSC budget head with the following specifications and terms and conditions. Interested parties are requested to submit their sealed quotations in an envelope containing the financial and technical bids in separate sealed envelopes inside. The NIQ should be marked as “Quotation for Temperature controlled Shaker incubator” and addressed to Co-ordinator School of Biological Sciences, Attn. to Dr. Tapan K. Chaudhuri, and submitted in the reception, School of Biological Sciences, Formerly IBM Building, Block -1A, Indian Institute of technology Delhi, Hauz Khas, New Delhi – 110016 Latest by 4pm on August 25, 2011.

SPECIFICATIONS OF TEMPERATURE CONTROLLED SHAKER INCUBATOR

1. Stackable Microprocessor controlled Refrigerated Incubator Shaker, Floor Model with temperature control range atleast from 15°C below ambient to 80°C or better , control accuracy ±0.1°C, and uniformity ±0.25°C or better.
2. Shaking speed from 25 – 400 rpm with control accuracy of ±1 rpm in a 1” circular orbit or better.
3. It should have acceleration/deceleration circuit to prevent sudden starts/stops.
4. It should have timer of 0.1 to 99.9 Hrs or better.
5. It should have easy to use programmable controller; automatically changes parameter (Temperature, speed etc) on a timed basis.
6. It should have large easy to read display screen clearly shows all operating and actual set values.
7. It should have Magnetic drive or triple-eccentric counter balanced drive driven by solid-state brushless DC motor.
8. It should have audible and visible alarms alert user when speed deviate more than 1 rpm, temperature more than 1°C from set points and when program or time has finished. Audible alarms may be muted.
9. It should have output signal to RS 232 enables data logging and computer controlled.
10. Electronic and mechanical components should be enclosed, protected from accidental spills.
11. It should have automatic restart after power interruption with non-volatile memory.
12. It should have front open lid cut-out switch stop agitation when chamber is open.
13. It should have Thermostat – fail safe shuts off heater if high limit is exceeded.
14. System must be quoted with Universal Platform of 45 cm x 75 cm and comparable size having capacity to holds assortment of various size of flask sizes upto 5 Ltrs, capable to hold 35-40 flask of 125ml, 30 - 40 flask of 250ml, 20 - 25 flasks of 500ml, 14 -15 flasks of 1L, 8 – 12 flasks of 2L, 6 flasks of 5Land test tube racks.
15. The system must come with flasks as well as clamps and springs for holding 5 ltrs flask (atleast 6 no’s each for flask and clamp), 2L flasks (12 no’s each for flask and clamp), 1 L flasks (15 no. each for flask and clamp), 500 ml (25 no each for flask and clamp), 250 ml (40 no’s each for flask and clamp), 125 ml (40 no’s each for flask and clamp).
16. System must come with test tube racks at least 5 no’s.
17. It should meets international standard standards.
18. Suitable UPS must be supplied with the system.
19. Warranty must be 2 years after installation and one year free service after the expiry of warranty period.
20. Price must be quoted as F.O.B.

Terms and conditions:

1. Foreign quotation (if any) should be for F.O.B new Delhi, price in foreign currency.
2. Warranty period should be clearly specified.
3. Delivery period should be clearly specified.
4. Agency certificate (if applicable) should be enclosed.
5. Validity of the quotation should be clearly specified.
6. The quotes should have the commissioning and installation details.
The Institute reserves the right to accept or reject any one or all the quotations without assigning any reason.

(Dr. Tapan K. Chaudhuri)
School of Biological Sciences,
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