



DEPARTMENT OF MICROBIOLOGY
BASIC MEDICAL SCIENCES BLOCK-I,
SOUTH CAMPUS, SECTOR-25, PANJAB UNIVERSITY,
CHANDIGARH-160 014 (INDIA)

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No. 0014 DKR/DST

Dated: 05/10/2018

**NOTICE INVITING QUOTATIONS FOR SUPPLY AND INSTALLATION OF ONE BOD
INCUBATOR CUM SHAKER**

Please send your quotation by register post/courier for supply of one BOD incubator cum shaker with accessories in the Department of Microbiology, Panjab University, Chandigarh out of the DST project (Dr. D.K. Rahi) of the Department of Microbiology, Panjab University, Chandigarh. While submitting the quotations please take in to consideration the following points:

LAST DATE AND TIME FOR RECEIPT OF THE QUOTATIONS: 22/10/2018 by 4.00 PM

DATE AND TIME OF OPENING THE QUOTATIONS IN THE CHAMBER OF Dr. D.K. Rahi:

23/10/2018 at 12.00PM

The quotation should be in two separate bids i.e. Technical bid and Commercial bid (Price bid). Technical bid should contain all the technical details of the product, literature/catalogue/quality/certificate/customer list/supply term & conditions etc., along with an authority letter from the manufacturer in sealed envelope clearly marked as Technical bid. Commercial bid (Price bid) should contain information about the price and the applicable taxes both in words and figures in sealed envelope clearly marked as Commercial bid. The quotation should be with earnest money (EMD) 2% in the form of demand draft, drawn in favor of Registrar, Department of Microbiology, Panjab University, Chandigarh payable at Chandigarh. The EMD will be returned after installation of the equipment.

BOD incubator cum shaker should meet the following features:

- Thermostat Refrigeration with reciprocating and rotating modes
- LCD display (with backlight) of set and working parameters
- Fluorescent lamp and UV lamp, one each
- CFC- Free refrigeration system
- Stainless steel powder coated steel construction
- Pneumatic spring support for stable lid opening
- Large toughened glass window and stainless steel chamber
- Single – shaft driven, quiet and durable
- P.I.D environmental scanning micro-processing controller with acoustic and visual alarm

- AC inductive long-life brushless motor, with wide speed regulation constant torque, constant speed of rotation
- High/low limit over temperature acoustic & visual alarm, high/low limit over speed alarm, stop-running protection for door opening, electric current leakage and over load protection. Motor over-heat protection. Automatic power cut-off in case of temperature out of control or abnormal over-temperature
- Repeat, increment (step) and 8-segment curve programming setting
- Power-failure recovery, parameter memory, temperature/speed calibration, time display, and room/working temperature display
- Acceleration control circuit ensures soft start, smooth acceleration and safety of samples
- Safety protection of automatic stop of shaking when door is opened

Technical specifications:

Control	P.I.D.(Environmental Scanning Microprocessor)
Display	LCD(simultaneous display of working & set parameters)
Convection mode	Forced Convection
Oscillation Mode	Revolution/Reciprocating (switchable)
Drive	Single-shaft balance device
Working Environment	Temperature: 25°C.Humidity 20%-90%
Temp. Range	4C-60°C
Temp. Accuracy	±0.1°C
Temp. Uniformity	±0.5°C
Speed Range(rpm)	50-300
Speed Accuracy	±1rpm
Oscillation Amplitude	Ø25mm
Refrigerant	R134a (CFC Free)
Cooler Power	200W
Heater Power	800W
Timing Range	0-999.59 hr/Continuous
Tray Size(mm)	920X500
Tray Qty.	1 PC
Flask Capacity	500mlx28 or 250mlx36
UV Lamp	1 PC
Fluorescent Lamp	0-12000 Lux, 1PC
Weight	180kg
Overall Dimensions(DxWxH,mm)	1250x740x840
Power Supply	AC 200-240V/50-60HZ. Optional: AC110V/60Hz
Power	1120W
Chamber Material	Polished Stainless Steel
Construction	Powder coated steel

General term and conditions:

- Please quote F.O.R. destination Chandigarh only in INR.
- The price should include the installation charges.
- GST only 5%. GST certificate to be provided by the Department of Microbiology.
- Price should be quoted separately for main equipment and the optional accessories.
- Quotations should be sent with 2% EMD by D.D. returnable at the time of installation.
- EMD, Technical quote and Price quote should be in separate sealed envelopes, clearly marked as “EMD”, “Technical quote/bid” and “Price quote/bid” respectively. Put all envelopes in one big envelope.
- The envelope containing EMD, Technical quotation and Price quotation must be marked with “QUOTATION” to be opened on 23-08-2018 at 11am, and addressed to Dr. D.K. Rahi, Department of Microbiology, BMS Block 1, Panjab University, Chandigarh.
- It should be clearly stated that the rates are inclusive of GST 5% (GST certificate provided by the Department of Microbiology) other taxes and everything including packing, transport, freight, insurance, custom charges etc.
- Certify that the equipment/material is of latest technology.
- Ensure that all essential spare parts and maintenance/ repair services will be available in India.
- Validity of quotations should be at least 90 days.
- Also provide : 1) Certificate that the quoted price is reasonable, not greater than that charged from any other Govt. institute, 2) Copy of authorization by the manufacturer or the Indian agent, 3) User list in India
- Payment will be made after delivery and installation.
- Five-years manufacture warranty and service offering.

Dr. D.K. Rahi
Principal investigator
DST project
Department of Microbiology
Panjab University, Chandigarh