



DEPARTMENT OF MICROBIOLOGY PANJAB UNIVERSITY, CHANDIGARH

Prof. S.K. Soni
Chairman

No.: Micro/19/667
Dated: 21.05.2019

NOTICE INVITING QUOTATIONS FOR A REFRIGERATED CENTRIFUGE

Sealed Quotations, in duplicate, are invited from authorized distributors/agents by registered Post/Courier for the supply of a **REFRIGERATED HIGH SPEED, HIGH VOLUME CENTRIFUGE**, along with the ACCESSORIES, as mentioned in the specifications of the Equipment, to be purchased by the Department of Microbiology, Panjab University, Chandigarh. The make, packing, and other particulars of the item should be clearly stated. While submitting the quotations please take in to consideration the following points:

LAST DATE AND TIME FOR RECEIPT OF QUOTATIONS: 11.06.2019 till 4:00 pm
DATE AND TIME OF OPENING OF QUOTATIONS: 12.06.2019 at 11.00 am

The quotation should be in two separate bids i.e. Technical Bid and Commercial Bid (Price Bid). Technical bid should contain all technical details of the product, literature /catalogue/quality certificates/customer list, supply terms & conditions etc., along with an authority letter from the manufacturer in sealed envelope clearly marked as Technical bid.

Commercial bid (Price Bid) should contain the information about the prices and the applicable GST @ 5%, as the Equipment is to be used for research work, both in words and figures in sealed envelope clearly marked as "Commercial Bid"

Quotation should be accompanied by the earnest money (EMD), equivalent to 2% of the estimated cost of the equipment, in the form of demand draft, drawn in favour of Registrar, Department of Microbiology, Panjab University, payable at Chandigarh. The EMD will be returned after installation of the equipment.

DESIRABLE FEATURES OF THE EQUIPMENT

- Microprocessor based control system with LED/ LCD display
- Centrifugation chamber made of Stainless Steel
- Flexible in terms of holding Rotor heads
- Should be able to hold the following Rotors with : i) 8 tubes of 50 ml each with speed of at least 15000 rpm and ii) 6 tubes of 200 ml each with speed of at least 7000 rpm
- Brush-less induction motor with frequency drive
- Motor overload protection
- Pre cooling facility
- At least 5 Acceleration and deceleration profiles
- Digital control communication
- Self diagnosis of errors
- Inverter fault detection with auto shut down
- Imbalance detector with centrifugation cutoff
- Choice of rpm/rcf setting
- Password protection
- CFC free Refrigeration System
- Speed holding accuracy 100 RPM
- Temperature display in °C/°F

- Digital speed indicator, 0-99 minute digital count down timer with temperature indicator
- Programable compensation for true sample temperature
- PC connectivity with software
- Pre setting of speed, temperature and time
- Emergency lid lock release
- Automatic door opening
- Automatic Rotor Identification
- Gas Hinge to prevent door falling

TECHNICAL SPECIFICATIONS OF THE EQUIPMENT

- Max Rpm: 20000 RPM or better
- Minimum Temp: At least -4°C
- Maximum Tube size: 200 ml
- Maximum Capacity: 1200 ml

Accessories :

- 8 ×50ml Fixed Angular Rotor
- Voltage Stabilizer

Warranty : 3 years from the date of installation.

GENERAL TERMS AND CONDITIONS

- Please quote F.O.R destination Chandigarh only in INR.
- Prices should be quoted separately for the main equipment and the optional accessories.
- Quotations should be sent with 2% EMD (of the total cost of the equipment) by DD, (returnable at the time of installation) in favour of Chairman, Department of Microbiology, Panjab University, payable at Chandigarh.
- EMD, Technical quote and Price quote all should be in separate sealed envelopes, clearly marked as “EMD”, “Technical Bid/Quote” and “Price Bid/Quote”. Put all envelopes in one big envelope.
- The envelope containing EMD, Technical quote and the price quote must be marked with : “**QUOTATION to be opened on 12.06.2019 (11.00 am)**” and addressed to the **Registrar, Department of Microbiology, BMS Block I, Sector-25, PANJAB University, Chandigarh-160014.**
- It should be clearly stated that the rates are inclusive of taxes and everything including packing, transport, freight, insurance, custom charges etc.
- Certify that the equipment is of latest technology
- Ensure that all essential spare parts and maintenance/repair services will be available in India with Indian agent as and when required
- Validity of the Quotation should be at least 90 days
- Also provide : a) Certificate that the quoted price is reasonable, not greater than that charged from any other Govt. institute, b) Copy of authorization by the manufacturer or the Indian agent, c) User list in India
- GST is to be charged @ 5% as the equipment is to be used for research work (the necessary certificate for exemption in GST will be provided at the time of placing the order)
- Payment will be made after delivery and installation



S.K. SONI