

**DEPARTMENT OF MICROBIOLOGY
PANJAB UNIVERSITY
CHANDIGARH**

QUOTATION NOTICE

No. Micro/Store/1712

Dated:- 07.10.2016

Certified that Quotation Notice for the purchase Of Refrigerated High Speed Volume Centrifuge

Last date and time for the receipt of the Quotation: - **01.11.2016 at 3:00 pm**

At the time of open the quotation: - 02.11.2016 at 11:00 AM, EMD open at Evening at 3.00 PM in the chamber of the Chairperson, Dept. of Microbiology, Panjab University, Chandigarh

Quotations are invited for the Refrigerated High Speed Volume Centrifuge to be purchased by the Department of Microbiology, Panjab University, Chandigarh under DST PURSE II programme.

The required features and specifications of the instruments with general terms and Conditions are as follows:

REFRIGERATED HIGH SPEED HIGH VOLUME CENTRIFUGE

Desirable Features:

- Microprocessor based control system, digital display, programmable with pre cooling and speed functions
- Centrifugation Chamber Stainless Steel
- Direct, brush-less induction motor with frequency drive
- Push Button Auto Lock Rotor System with safety lid interlock to prevent cover opening during centrifugation
Imbalance detector with cutoff
- Direct button CFC free Refrigeration System with pre-cooling function Precise speed control and reproducibility
- Pre setting of speed, temperature and time
- Speed holding accuracy 100 RPM
- Digital speed indicator, 0-99 minute digital count down timer with temperature indicator
- Dynamic brake
- Over current overheating safety cutoff for motor protection

- Compatible Servo Stabilizer suitable for the machine

Technical Specifications:

- Max RCF: 35000 x g or better
- Max Rpm: 20000 RPM or better
- Minimum Temp : 4°C
- Maximum Tube size: 200 ml
- Maximum Capacity: 1200 ml
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Accessories :

- 24×1.5 ml Fixed Angular Rotor, RPM 2000, RCF, 35000 or better
- 6 × 50 ml Fixed Angular Rotor, RPM: 15000, RCF 25000 or better
- 6 ×200ml Fixed Angular Rotor, RPM: 7000 RCF: 7500 or Better
- Non Refrigerated Micro centrifuge with 13000 RPM & 17000 × g with 24 x1.5/2ml rotor.

Warranty : 3 years from the date of installation.

GENERAL TERMS AND CONDITIONS:

While submitting the quotations please note the following points :

1. Please quote F.O.R destination Chandigarh only in INR.
2. Prices should be quoted separately for individual instruments. The optional accessories are also to be quoted separately. Quotations should be sent with 2% EMD by DD, returnable at the time of installation. EMD, Technical quote and price quote all should be in separate sealed envelopes. Put all envelopes in one big envelop. Send quotations by registered post only.
3. It should be clearly stated that the rates are inclusive of sales and other taxes and everything including packing, transport, freight, insurance, custom charges etc.
4. Certify that the equipment is of latest technology
5. Ensure that all essential spare parts and maintenance/repair services will be available in India with Indian agent as and when required
6. Validity should be at least 60 days
7. Please quote only for the items available in ready stocks
8. Please address the quotations to the **Chairperson, Department of Microbiology, Panjab University South Campus, Sector 25, Chandigarh 160014.**
9. The quote should reach by **01.11.2016.**
10. Also provide : a) Certificate that the quoted price is reasonable, not greater than that charged from any other Govt. institute. b) Copy of agreement with your authorized Indian agent c) User list in India
11. Certifications: UL Listed/CSA certified/CE marked/ Certified Biosafety.
12. Payment will be made after delivery and installation
13. Rate quoted in Indian Rupees.

-Sd/-

**DEPARTMENT OF MICROBIOLOGY
PANJAB UNIVERSITY
CHANDIGARH**

QUOTATION NOTICE

**No. Micro/Store/1713.
Dated:- 07.10.2016**

Certified that Quotation Notice for the purchase of **Sonicator**

Last date and time for the receipt of the Quotation: - **01.11.2016 at 3:00 pm**

At the time of open the quotation: - 02.11.2016 at 11:00 AM, EMD open at Evening at 3.00 PM in the chamber of the Chairperson, Dept. of Microbiology, Panjab University, Chandigarh

Quotations are invited for the Sonicator to be purchased by the Department of Microbiology, Panjab University, Chandigarh under DST PURSE II programme.

The required features and specifications of the instruments with general terms and Conditions are as follows:

SONICATOR

Desirable features:

- The sonicator should be programmable
- Sonicator should have full amplitude control to regulate the energy delivered.
- Auto tuning to compensate frequency changes in converter/Tips
- Overload protection.
- The display screen to display operating parameters.

Technical Specifications:

Power Rating: 700 – 750 watts

Frequency: 20 kHz

Adjustable Pulse On/Off: minimum 1 second

Specifications for probes

- Standard Probe to process 10-250 ml sample

- Microtip probe to process 0.25- 5ml samples
- Microtip probe to process 5-25 ml samples

Sound enclosure

The instrument has to be quoted along with a suitable Sound enclosure and lab Jack, non-slip vibration isolation mat, support stand and clamp

Voltage Stabilizer

The instrument has to be quoted along with a suitable voltage stabilizer.

The whole unit along with the Sonicator, Converter, cables, probes, Sound enclosure, lab jack and stabilizer will be purchased as a whole unit.

Warranty: 3 Years from the date of installation

GENERAL TERMS AND CONDITIONS:

While submitting the quotations please note the following points:

1. Please quote F.O.R destination Chandigarh only in INR.
2. Prices should be quoted separately for individual instruments. The optional accessories are also to be quoted separately. Quotations should be sent with 2% EMD by DD, returnable at the time of installation. EMD, Technical quote and price quote all should be in separate sealed envelopes. Put all envelopes in one big envelop. Send quotations by registered post only.
3. It should be clearly stated that the rates are inclusive of sales and other taxes and everything including packing, transport, freight, insurance, custom charges etc.
4. Certify that the equipment is of latest technology
5. Ensure that all essential spare parts and maintenance/repair services will be available in India with Indian agent as and when required
6. Validity should be at least 60 days
7. Please quote only for the items available in ready stocks
8. Please address the quotations to the **Chairperson, Department of Microbiology, Panjab University South Campus, Sector 25, Chandigarh 160014.**
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10. Also provide : a) Certificate that the quoted price is reasonable, not greater than that charged from any other Govt. institute. b) Copy of agreement with your authorized Indian agent c) User list in India
11. Certifications: UL Listed/CSA certified/CE marked/ Certified Biosafety.
12. Payment will be made after delivery and installation
13. Rate quoted in Indian Rupees.

-Sd/-
Chairperson
Dept. of Microbiology
PU, Chandigarh

