**DP-KU/QUOT/SEED/2024 Date: 15-01-2024**

QUOTATION NOTICE

Quotation in sealed envelope are invited from the original manufacturer/authorised dealers for the supply of following items for Department of physics, Kannur University, SAT Campus, Payyanur, Kerala.

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| **Sl. No.** | **Item** | **Quantity** | **Specification** |
| 1 | LABORATORY CENTRIFUGE APPARATUS | 1 | 1. 230V/50Hz
2. Brushless induction motor with variable frequency drive
3. Microprocessor controller with digital display
4. Stable speed output even under unstable voltage conditions
5. 7 segment LED display of speed
6. Digital count down timer (0-59 min) and continuous run
7. Maximum speed: 6000 rpm or more
8. Maximum capacity: 400 ml approximately
9. Stainless steel centrifuge chamber, easy to clean.
10. Safety lid interlock to prevent lid opening during centrifugation
11. Imbalance detection and centrifugation stop with display of error
12. Motor overload protection
13. Inverter fault detection with auto shutdown
14. Dynamic brake for quick deceleration
15. Gas hinge to prevent door falling
16. Smooth and soft start
17. Emergency lid lock release
18. Last set parameters recall
19. Low sample temperature rise
20. Wide variety of rotors and reduction adaptors available
21. 8 × 15 ml and 4 × 50 ml angle rotor heads (With polypropylene tubes), Max speed: 6000 RPM, Max. RCF: 4700 g approximately should be provided along with the equipment.
22. Company must have direct presence in India for after-sales support
23. ISO or CE certification required
24. Warranty must be minimum 1 year
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| 2 | MAGNETIC STIRRER WITH HOT PLATE | 1 | 1. Stirring Capacity ~ 2 Litre
2. Stainless steel hotplate with energy regulator
3. Hot plate temperature range ~ 0 to 200℃ preferable
4. PMDC motor for higher torque even at low speed
5. Better speed regulation even with small volume and low speed
6. Accurate stepless speed control maintains excellent speed stability
7. Digital speed indicator for displaying of stirring speed.
8. Designed for use even in corrosive atmosphere.
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| 3 | TEFLON LINED AUTOCLAVE | 1 | 1. Shell made of high-quality stainless steel
2. Capacity 100ml
3. Teflon lined
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| 4 | WATER DISTILLATION UNIT | 1 | 1. Minimum 2L Capacity per hour
2. Preferably made of Stainless steel
3. Should include Wall mounting accessories
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Terms and conditions

1. Sealed quotation should reach the undersigned, at the address given below.
2. Quotation should contain price (INR), customs duty (if any) and other necessary details.
3. Rate quoted for each item shall be inclusive of all taxes, customs duty (if any), other such charges and delivery charges at site (Department of physics, Kannur University, SAT Campus, Payyanur-670327, Kerala.)
4. Rate of each item should quote separately.
5. The quotation should reach Dr. N. K. Deepak, Professor, Principle investigator, SEED money, Department of Physics, Kannur University, SAT Campus, Payyanur-670327, Kerala on or before 2 pm on 29/01/2024. The envelope should be superscripted with the quotation notice number.

Dr. N. K. Deepak

Principle Investigator, SEED money

Department of Physics, Kannur University

Payyanur Campus, Edat PO.

Kannur, Kerala-670327