

छत्रपति शाहू जी महाराज विश्वविद्यालय, कानपुर  
CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR



कल्यानपुर, कानपुर  
KALYANPUR, KANPUR

Department of Life Sciences  
TENDER DOCUMENT

Cost of tender- Rs. 500/-

Tender No. \_\_\_\_\_

Last date of Submission: .....

Up to time .....

S.No \_\_\_\_\_

Sealed tender is invited for the purchase of various equipments for Department of Life Sciences CSJM University, Kanpur till 27.03.2017, which will be submitted in the tender box kept at the office of estate officer and tender will be opened on same date on 3.30 pm. Sealed tender envelope must be labelled "Tender for supply of equipments in department under RUSA scheme, Life Science, CSJMU 2016-17." The applicant can download the tender document from the University official website [www.kanpuruniversity.org](http://www.kanpuruniversity.org) and attach bank draft of Rs. 500.00 in favour of the Finance officer CSJM University, Kanpur. Terms and conditions and other information are available on the official website of Kanpur University.

**Details of Tender Document:**

1. Name of tenderer .....
2. Father's Name .....
3. Address .....
4. Trade Tax No. ....
5. PAN/TIN No. ....
6. CST .....
7. Proof of Work Experience in Govt. Organization for similar equipment supply....  
.....
8. Proof of Annual turnover .....
9. Email address .....
10. Telephone/Mob. No. ....

I/We except all the terms & conditions attached with the tender document. In case of approval of rates I/We will supply items according to work order.

Signature of Applicant

### **Eligibility Criteria of vendors**

1. The tender should strictly be submitted in the format as per Performa enclosed.
2. If applying on behalf of a company(HMT) as a dealer, a dealership document should be attached.
3. Original technical literature should be attached.
4. Quotation should be valid for minimum period of three months.
5. Warranty period will be at least one year.
6. Tenders without the earnest money of Rs 30,000/-(Rupees Thirty Thousand only ) shall not be considered. The earnest money will be in the form of DD in favour of Finance Officer, CSJM University; Kanpur payable at Kanpur otherwise tender will not be entertained.
7. Should have had average annual financial turnover of Rs. 1.0 crore on supply works during the last three years ending 31st March, 2016.
8. The University reserves the right to reject all or any of the tenders without assigning any reason.
9. The firms should have valid PAN & VAT / Central Sales tax Registration Number.
10. The firms must have its maintenance services at Kanpur/ Lucknow UP. The firms should satisfy that after sales services would be adequate in the event of placing order with them.
11. Even though any bidder may satisfy the above requirements, he/she would be liable to be disqualified if he/she has :
  - (a) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.
  - (b) Records of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.

### **Technical Bid and Financial Bid**

1. Technical Bid and Financial Bid should be submitted separately.
2. Technical Bid will be first considered by the Technical Committee and when technical bid is found satisfactory in all respects Financial Bid shall be taken in to consideration.

### **Delivery**

1. The delivery of the terms will have to be made within four (4) weeks time from the date of receipt of order. Delivery should be made at Dept. of Life Sciences CSJM University, Kanpur
2. In case of late delivery, penalty shall start after the expiry of the delivery period (i.e. 4 weeks from the date of receiving of order by the supplier).
3. Penalty shall be 0.5% of the total order amount per day for a period of two weeks and 1% of the total order amount per day up to one week after which the order may be cancel.

### **Installation**

1. Installation must be done within one week from the date of delivery of items, failing which penalty shall be imposed.
2. Penalty shall be charged @ 0.5% of the total order amount per day for a period of two weeks and @ 1% per day thereafter for another two weeks. After which the items may be rejected or cancelled.

### **Terms of Payment**

100% against successful installation.

Registrar

**Technical Bid**

**CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR**

Name and address of firm .....  
.....Telephone No.....

Dealer certificate details. ....

Enlistment details .....

Experience details.....

Service tax number..... VAT/TIN No.....

EPF No.....PAN No.....

Details of Earnest Money

EMD Amount Rs.....Name of bank & branch.....

D.D./FDR No.....Date.....

Details of Tender cost

Tender Cost Rs.....University Receipt /D.D No.....

Name & branch of bank.....Date.....

I have read all the terms and condition and I pledge to abide by them.

Date.....

Signature & Stamp of Tenderer

Encls.

Registrar  
C.S.J.M. University, Kanpur

Department of Life Sciences

S.No.	Items Name	Qty.
1	-40 <sup>0</sup> C DEG DEEP FREEZER	01
2	HOT AIR OVEN	01
3	AUTOCLAVE (Horizontal) (COMPLETE MADE OF STAINLESS STEEL 340 QLTY.)	01
4	HORIZONTAL LAMINAR AIR FLOW CABINET (Working Area 4'x3x3)	01
5	DOUBLE BEAM UV VISIBLE SCANNING SPECTROPHOTOMETER & ELISA READER	01
6	HIGH SPEED COOLING CENTRIFUGE	01
7	TOP PAN BALANCE	01
8	VORTEX MIXER (2 SET)	02
9	COAXIAM HOMOGENIZER	01
10	MELTING POINT INSTRUMENT	01

- Last date of submitting tenders —27/03/17
- Date of opening of tender —27/03/17

(In the presence or absence of tenderer(s)).

- The undersigned reserves the right to cancel all / any tender(s).

Registrar  
CSJM University,  
Kanpur.

## TOP PAN BALANCE (LATEST)

### Technical specification:

Capacity: 620 gms.

Minimum display: 0.001 gms

VOLTS: 12v dc

Repeatability: 0.001gms

Linearity: +/-0.002 gms

Calbration: Internal

Operating Ambient Temperature (Degree C): 5-40<sup>0</sup>C

Pan Sixe (mm) 108x105 mm

Fully Automatic Calibration (uw only)

Features:

-Easy Setting

-Menu Operation Keys

-Windows Direct Communication Function, only a cable is needed to send weighing data to a computer

- Can be used anywhere with battery power

-Comparator Function

## Specification for -40°C Deep Freezer

1. Microprocessor control system with digital display
2. Should have lockable two outer Door with individual inner doors for each shelves
3. Capacity: 475 litres to 500 liters
4. Should have Eye Level Digital LED display actual inner temperature and set temperature of freezer.
5. Should be adjustable high temperature and low temperature alarm set point.
6. It sould have capacity to memorize last set point.
7. Temperature range adjustable from -20 deg C to -40 deg C.
8. Instrument should give the mafunction alarm both in audible and flashing.
9. Malfunction alarm should include High temperature, Low temperature and Sensor failure.
10. It should have CFC Free Foam insulation and Refriggerant
11. The machine should be capable of working with broad range of voltage from -200V to -240 V and A Maximum Ambiet temperature of 32 deg C without compromising the performance.
12. Should be Mounted on Wheeled caster to make moving easier.
13. Should have Removable, self cleanable Air Filter to remove dust and dirt
14. Should have Alarm silencing system and Battery backup to provide power to microprocessor in case of power failure

15. All the parts of the machine should be properly grounded to avoid any electrical Hazards
16. Should be 14001 and CE Certified.

## Specification for High Speed Cooling Centrifuge

1. Microprocessor Controlled, Programmable.
2. RCF>31,000 g with RPM> 16,000
3. Brushless Indusction Drive
4. Metal Housing with metal Lid
5. Automatic Magnetic Rotor Indentification
6. Automatic Rotor Imblance Identification
7. Digital Display for time, speed and RCF
8. Impulse key for short run
9. Running time 1-99 min. or continues
10. Temp. Range-20 deg. C to + 40 deg. C
11. CFC free refrigeration
12. Fast Cool Function
13. SS centrifugation chamber
14. Programamable acceleration/deceleration brakes
15. Short run-up and run down time
16. Autoclavable rotor
17. Powered Lid Locking
18. 10 Programmable Memories
19. Automatic Lid locking & holding during run
20. Emergency Lid lock release
21. Motor overheating and chamber overheating protection
22. Angle Rotor 24x 1.5/2.0 ml tubes
23. Angle Rotor 6 x 50 ml tubes with adapter for 15 ml falcon tubes
24. Strip rotors for 6 x 8 tubes PCR Trips



## HOT AIR OVEN

### Feature

Temperature range from few degree above ambient to 250 deg. Thermostatic control with an accuracy of +/-2 deg C. Heating elements provided at bottom only. Double walled inside Stainless steel and outside Mild steel sheet apinted in epoxy powder coating with wire mesh shlves. The door has synthetic rubber gasket. To work on 220/230 volts A.C. Supplied with or witout air circulation fan.

STAINLESS STEEL 304 QLTY. INSIDE

### SIZE INSIDE CHAMBER

455 X 455 X 455 MM

95 LTRS.

## HORIZONTAL AUTOCLAVE (COMPLETE MADE OF STAINLESS STEEL 340 QLTY.)

### Feature:

These autoclaves are fitted with automatic cutoff devices for element for General Safety. Inside and outside chamber and all astructure amde of Stainless steel 340 Qty. Fitted with indfoss Piezostat. To set steam pressure between 15 to 22 PSI (adjustable). Sterilizers are fitted with water level arrangement toindicate water position inside the boiler. Pressure gauge, air/steam release cock two safety valve are also provided.

<b>DIA DEPTH</b>	<b>Ltrs.</b>
355 x 550 mm	50

## HORIZONTAL LAMINAR AIR FLOW CABINET

### Features & Specification

1. Bench Top Horizontal Laminar Air Flow cabinet.
2. Size of HEPA Filter: 2' x 2' x 6'
3. Working Area: 4' x 3' x 3'
4. 1 Pre Filter.
5. 1 Illumination: 20 W
6. 1 UV Tubes: 1 x 15 W
7. Lighting: Work area properly illuminated by diffused, glare free fluorescent light.
8. Power Requirement: 230 V. Single Phase, 50 z, Ac Supply.
9. Motor Blower, Static Pressure inclined Manometer, Cock for Gas, Air or Vacuum line. Front side doors are made out of Plexiglass transparent thick sheet duly framed.
10. Two legs table top & two table support are detachable & can be taken out & fixed within minutes, front door can be kept half open/fully closed as desired.
11. Castor wheels an easy movement.
12. Four leveling screws are providing at the bottom along with Wheels to set the equipment in the lab & work vibration free.
13. Cabinet is fabricated out of thick borad duly covered with Laminated sun mica. Workable table is made of Stainless steel. The cabiners are fabricated our of thick board duly sun mica clad. Interior surfaces are epoxy painted for its longer life. The work table is made of heavy gauge S.S. sheet and is fitted with U.V. Germicidal Light, static pressure Manometer, Exhaust System (Suitable for 6 feet duct) and Virus Burn Out Unit. Side panels are made out of thick transparent Flexi glass duly framed. The unit is fitted with pre-filter and HEPA Filter. Air is drawn through pre-filter and is made to pass through highly effective HEPA (High Efficiency Particular Air) Filters having efficiency retaining all air-borne particles of size 0.3 micron and larger. Using a dynamic balancig machine, the blower and motor assembly is statically and dynamically balanced. Motor of 1/4 HP. capacity operates with minimum noise level. The working area is illuminated by fluorescent lighting fitted to the unit. The height of the working table provides a comfortable 'Sit Down" working position for the operator. In addition to the above features of a standard Vertical Laminar Flow Bench, the "Time Star" Bio-safe abinets have arrangements for re-circulating a part of the air thus creating highest level of clean air, The unit is also cnvertible to the conventioned vertical laminar flow bench with downward air flow by lifting the sliding front door upwards. Air is sucked through the pre-filter and the excess air is thrown out from the top, through a Supplied with glove ports and gauntlets, HEPA filter, Pre-filter, U.V. light and fluorescent light.

## MICRO PLATE ELISA READER

### Specification

Elisa-R01 Micro plate Reader

Micro Plate Type 96 Wells Plate

Wave length 400-750nm

(405,414,450,492,546,578,630,690)

Linearity +/-1.0%

Measuring Range 0-4.000 Abs

Method Absorbance Dual Wave length absorbance Two points Kinetic Multiwave length

Measuring Time 3sec/plate continuous mode Display LCD 240(w)+180 (H) Power Supply 200-240v, 50/60Hz,  
110 on request

Dimension 400+340+180mm

Weight 11kg.

## VORTEX MIXER

### Specification

Make	:	Genei
Model	:	Vortex Mixer
Old Cat. No.	:	18-01
Cat No.	:	106887GB
Speed	:	100-3200rpm.
Operation	:	Touch/Continuous
Working Condition	:	4 to 60 <sup>0</sup> C ambient
Body	:	MS with powder coated
Input Voltage	:	230V, 50Hz. A.C. Supply.

## COAXIAM HOMOGENIZER

### **Specification**

Fitted with standard high quality speed

Controlled motor of 1/20 H.P. with Teflon

Rotor and heavy Glass Grinder well Ground

Capacity 25ml

Capacity 50 ml

## DIGITAL MELTING POINT APPARATUS-934

### Specifications

Display	:	3 Digit, 7- segment LED display (Model-934)
Temperature	:	0-300 <sup>o</sup> C
Resolution	:	01 <sup>o</sup> C (Model-934)
Capillary Glass Tubes	:	12 mm long, 0.8-1.1 mm internal diameter
Boiling Point Glass Tubes	:	75 mm ling glass tube
Sample Amount	:	Fine powder proprly dried at a temperature considerably below its melting point 4-6 mm high
Oil Bath	:	Silicon oil-bath beaker 200 ml capacity with Teflon cover fitted with oil immersion heater. It has three holes for olding the capillaries, boling point tube and thermometer.
Stirrer Speed	:	Controllable with front knob
Power	:	230 V $\pm$ 10%, 50 Hz. AC
Dimensions	:	315 x 290 x 230 mm (L x B x H) (Approx)
Weight	:	12 Kg (Approx)
Accessories	:	Box of Capillaries, Boiling Point Tubes - 2 Set, Thermometer with Range 0-360 <sup>o</sup> C, Magnetic Capsule, Btle of Silicon Oil, Glass Cylindrical Beaker with Teflono cover for beaker fitted with immersion heater, Operation Manual, Dust Cover.