

**SCHOOL OF CHEMISTRY**  
**SAMBALPUR UNIVERSITY, JYOTI VIHAR-768019, SAMBALPUR, ODISHA**

No. 05/PGCH/CRG/SERB

Date: 07-06-2024

**QUOTATION CALL NOTICE AND ADVERTISEMENT FOR PROJECT ASSOCIATE-I**

1. Sealed quotations are invited from intending manufacturers/ dealers/ suppliers/ firms having valid GST certificate for supply of (i) Digital weighing Machine (01) (ii) -20°C Refrigerator (01) (iii) Probe Sonicator (01) and (iv) Extruder Set with Holder/ Heating Block (01) on or before 01.07.2024 up to 3.00 PM.
2. Applications are invited from eligible candidates for temporary position of “Project Associate-I (01)” under the SERB (Core Research Grant) Project, New Delhi on or before 27.06.2024.

The details of the requirement can be obtained from the undersigned or may visit Sambalpur University website ([www.suniv.ac.in](http://www.suniv.ac.in)). The authority reserves the right to cancel the quotation call and advertisement without assigning any reason thereof.

Sd/-  
Head, School of Chemistry

Memo No. 06/PGCH/CRG/SERB

Date: 07-06-2024

Copy forwarded for information and necessary action to

1. Director, e-Gov, Nodal Centre with a request to upload quotation call notice and advertisement for project associate-I in the university website

Sd/-  
Head, School of Chemistry

### **DETAILED SPECIFICATION FOR DIGITAL WEIGHING MACHINE**

Complete with glass wind shield and one touch Function key having sliding door opening/closing system and Internal Calibration.

Overload Protection: up to 100kg

Leveling feet and Level indicator Anti theft device Unit conversion facilities.

Brilliant Back lit display

Maximum Capacity: 220 gm.

Readability : 0.1mg.

Repeatability : 0.1 mg.

Linearity : 0.2 mg.

Response time : 2 sec.

AC Adapter 230 Volts. Tare range full

Platform dimension : 90 mm.

Balance dimension : 347x204x345 mm (L X W X H)

Diagnostics: Easy running of balance diagnostics tests such as key pad test & repeatability test Other inbuilt application: Piece counting Percentage weighing, Dynamic weighing, Statistics weighing, Totaling, free factors, recall, High performance mono Block weighing cell for fast and accurate result.

Cal Int : At a key stroke with and internal weight Protective Covers : Encloses the entire housing protecting the balances from stains and scratches.

### **DETAILED SPECIFICATION FOR EXTRUDER SET WITH HOLDER/ HEATING BLOCK**

Complete Extruder Set should include one Mini Extruder, two 1000 $\mu$ L syringes, 100 pore size (0.1 $\mu$ m) polycarbonate membranes, 100 filter supports, and 1 holder/heating block

### **DETAILED SPECIFICATION FOR -20°C REFRIGERATOR**

Double wall. Exterior made of sheet steel with powder coated and Inner made of non-corrosive material.

Freezers should be suitable for storing various biological products including ATCC Cultures, enzymes, vaccines, chemicals or material testing components for a long period of time.

Microprocessor temp. Control with digital temperature display with audible and visible alarm system for unwanted temperature rise, sudden power failure, system failure, battery low.

Temp. Range: -18°C to -22° C

Capacity: 450 liter or above.

Dimension: 27(W) x 28(D) x 78(H)

No. of Shelves : 5

Quick freezing function

Auto Defrost facility

Top light to provide maximum visibility

Wheels should be available

Rated Load aprox.: 1000Watt

Freezer should use CFC-free, HCFC-free non-flammable refrigerant

Refrigeration system must be energy efficient

Upright type(vertical) and Single Glass door with locking facility

Should maintain the highest temperature uniformity and stability in the cabinets

**3 KVA STABILIZER WORKING AT LOW VOLTAGE**

#### **DETAILED SPECIFICATION FOR PROBE SONICATOR**

Ultrasonic processor, for manual/stand operation

Minimum Output: 100 Watts, Frequency: 30 kHz

Automatic frequency and adjustable pulse tuning system

Amplitude adjustable 20-100%

Dry running protected

Sonotrode should made of titanium and usable for samples from 2ml up to 50ml

Should be connected with Timer to control the sonication time

Should be supplied with stand, clamp and mounting tools

Quoted company must have factory trained experienced engineer for future service

Sound Protection box (Optional accessories)

**Last date of Submission of Tender: 01.07.2024 by 3:00 PM**

**Quotation may be sent to**

**Dr. Lipika Mirdha, School of Chemistry, Sambalpur University, Jyoti Vihar, Burla,  
Odisha- 768019**

Sd/-  
Head, School of Chemistry

## **Applications are invited for “PROJECT ASSOCIATE-I (01)”**

Applications are invited from eligible candidates for temporary position of “PROJECT ASSOCIATE-I (01)” for SERB (Core Research Grant) Project, New Delhi entitled ‘Effect of membrane composition on the organization and dynamics of TM4 helix of class A GPCRs: Functional Implications’ with consolidated monthly emoluments. The appointment will be initially for one year and then can be extended up to 3 years subject to the availability of the funds and mutual academic satisfaction.

### **PROJECT ASSOCIATE-I**

**Essential Qualification: M.Sc. in Chemistry with at least 55% marks**

**Desirable Qualification: GATE/ NET qualified candidate will be preferable**

(Monthly consolidated emoluments of Rs. 31,000/-+HRA for GATE/NET qualified candidate and Rs. 25,000/-+HRA for GATE/NET not qualified candidate.)

Candidates with requisite qualifications may apply with complete Bio-data (including email ID) and self-attested copies of relevant documents to **Dr. Lipika Mirdha, Principal Investigator, SERB (Core Research Grant) Project, School of Chemistry, Sambalpur University, Jyoti Vihar, Burla, Odisha- 768019** on or before **27.06.2024 by 3:00 PM**. Short listed candidates will be called for interview through email. No TA/DA will be paid for attending the interview.

Sd/-  
Head, School of Chemistry