

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

No. 205/PGCH

Date: 08.01.2022

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 a Fluorescence Spectrophotometer with polarizers, temperature-controlled sample chamber and stirrer, and a Model Vesicle Prep Pro System on or before 31.01.2022 up to 3.00 PM.
2. Applications are invited from eligible candidates for temporary position of a "Project Associate-I" under the SERB sponsored project on or before 31.01.2022.

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

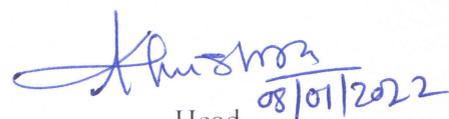
Sd/-
Head, School of Chemistry

Memo No. 206/PGCH

Date: 08.01.2022

Copy to:

1. Copy to the Editor of 'The New Indian Express' and 'The Samaja' with a request to publish this notification in their Odisha circulation in minimum size latest by 10.01.2022 and submit bill in duplicate in favour of Dr. HIRAK CHAKRABORTY, PI, CRG-IBS-SERB Project, School of Chemistry, Sambalpur University, Jyoti Vihar, Burla, Odisha-768019 as per Government approved concessional rate application to educational institutions along with full sheet of publication for payment.
2. Director, E-Governance, Sambalpur University to upload in the University Website.


Head 08/01/2022
School of Chemistry
Head
School of Chemistry
Sambalpur University
Jyoti Vihar-768019

DETAILED SPECIFICATION OF MICROPROCESSOR BASED PC CONTROLLED FLUORESCENCE SPECTROPHOTOMETER

PC controlled system for **Fluorescence, Phosphorescence and Luminescence** measurements facility without any special accessory, and having the following specifications:

- Light source 150W Xenon flash lamp
- Spectral range 200-750 nm or higher, 0-order light (Excitation)
- Instruments sensitivity Signal to Noise ratio 15000 or more. (RMS BG)
- Must be with mechanically ruled stigmatic concave diffraction grating (F2.2) Blazed wavelength: Excitation side 300 nm, emission side 400 nm
- Maximum Wavelength Scan speed 240, 1200, 30,000, 60000 nm/min
- Data processing features such as quantitative analysis, wavelength scan measurement, time-based measurement such phosphorescence lifetime, 3-D measurements, Time scan measurement mode, Cumulative Data averaging, Peak ratio, peak area, quantization via differentiation, Automatic sensitivity measurement function, Pre-scan, Data export to Microsoft Excel, Print preview etc.
- Thermostatted cell holder with stirrer
- Polarization Accessories UV-VIS (260 to 700 nm)
- Extra Xenon Lamp (in addition to the one which is fitted with the instrument)
- Suitable Computer to be supplied with instrument.
- Suitable Fluorescence cuvettes to be supplied
- Online 2 kVA UPS, 30 Minutes for Power Backup
- Suitable Refrigerated Water Bath Circulator (-10 °C to +80 °C)
- Wavelength Accuracy should be ± 1 nm or less
- Solid Sample Holder: Optimized for the measurement of solid samples, powder Samples, or highly concentrated solutions; designed to prevent the specular reflection from the sample surface from entering the emission monochromator; including powder cell.

Last date of Submission of Tender: 31.01.2022 by 3:00 PM

DETAILED SPECIFICATION FOR VESICLE PREP PRO STATION

Vesicle Prep Pro Station with the following specifications:

- System should be an automated device for preparation of GUVs.
- Should use the process of electro swelling to form solvent-free GUVs ranging from 1 to 30 μm in diameter.
- The chamber used for vesicle formation should consists of two glass cover slides coated with indium tin oxide (ITO).
- The chamber should be transparent so that vesicle formation and growth can be monitored optically throughout the entire process.
- Stimulation protocol should be in the following range: Amplitude (+/- 10V), Frequency (0 -1000 Hz), Output Current (0 -100mA).
- Should have integrated temperature control feature.
- Software controlled parameters such as voltage amplitude, frequency, temperature and time allow a very flexible protocol design.

Last date of Submission of Tender: 31.01.2022 by 3:00 PM

Applications are invited for a “Project Associate-I” Position

Applications are invited from eligible candidates for temporary position of a “Project Associate-I” under the SERB sponsored project (CRG/2021/001515) entitled ‘*Exploring the interplay of viral fusion peptide with lipid membranes to unravel the mechanism underlying the cellular entry of enveloped viruses*’ with consolidated monthly emoluments of Rs. 31,000/- + HRA (if applicable). The appointment will be initially for one year and then can be extended up to 3 years subject the availability of the funds and mutual academic satisfaction.

Essential Qualification: M.Sc. in Chemistry with at least 55% marks, and the candidate should have qualified NET (LS) or GATE.

The consolidated monthly emoluments of Rs. 25,000/- + HRA (if applicable) will be provided if the candidate is not NET (LS) or GATE qualified.

However, the NET (LS) or GATE qualified students will be preferred.

Candidates with requisite qualifications may apply with complete Bio-data and self-attested copies of relevant documents to Dr. HIRAK CHAKRABORTY, Principal Investigator, CRG-IBS-SERB Project, School of Chemistry, Sambalpur University, Jyoti Vihar, Burla, Odisha- 768019 on or before **31.01.2022 by 3:00 PM**. Short listed candidates will be called for interview. No TA/DA will be paid for attending the interview.

Sd/-
Head, School of Chemistry