

Letter no 497 dated - 09/04/22 mise.

Tender Call Notice for purchasing Instruments (Double Beam UV-VIS Spectrophotometer and Rotary vacuum evaporator apparatus with cold water circulating bath and high vacuum pump)

Sealed tenders are invited from dealers/distributors having valid permit and GST no., for purchasing - i) Double Beam UV-VIS Spectrophotometer and ii) Rotary vacuum evaporator apparatus with cold water circulating bath and high vacuum pump (specifications are given below.) for the R&D Project Grant sanctioned by Government of West Bengal, Science & Technology and Biotechnology Department (WBDSTBT), Dated 25.3.2022, Memo No: 1410 (Sanc.)/STBT - 11012 (25)/44/2021 - ST SEC (Principal Investigator: Dr. Pampa Guha, Assistant Professor, Department of Chemistry, City College, 102/1 Raja Rammohan Sarani, Kolkata - 700009, West Bengal, India)

The sealed tenders should reach to "**The Principal, City College, 102/1 Raja Rammohan Sarani, Kolkata - 700009, West Bengal, India**" by 3pm on Thursday, 21st April 2022.

Right to cancel tender partly or whole is reserved, without showing any reason whatsoever.

Generalized Specifications for Double Beam UV VIS Spectrophotometer:

Microprocessor based UV-VIS Spectrophotometer for operation on 220V / 50Hz.

- Stand-alone operation as well as complete control through PC with PC software supplied as standard
- Double beam optics with Czerny-Turner monochromator
- Wide wavelength range of 1,100 nm to 190 nm
- Variable Spectral Bandwidth 0.5, 1, 2, 4, 5 nm
- Wavelength setting in 0.05 nm
- Wavelength accuracy of ± 0.1 nm for D₂ spectral line
- Wavelength repeatability of ± 0.1 nm
- Variable wavelength scanning speed: $\geq 3,000$ nm/min
- Slew rate : 4800 nm/min
- Ultra low stray light of $<0.05\%$ at 220nm NaI, 360nm NaNO₂
- Wide Photometric range of -3.0 to +3.0 Abs and 0 to 300 %T
- High Photometric Accuracy of ± 0.002 Abs (0~0.5 Abs)
- High Photometric Repeatability of Less than ± 0.001 Abs (0~0.5 Abs)
- Baseline stability: ≤ 0.0004 Abs/30 min (500 nm, one hour after light source turned ON)
- Baseline flatness: ± 0.001 Abs (1100 ~ 190 nm, one hour after light source turned ON)
- Ultra low Photometric noise of < 0.0008 Abs (500 nm)
- Dual source - high intensity Halogen lamp and Deuterium lamp with built-in light source auto position adjustment
- High sensitivity Silicon Photodiode detector
- 3 or more USB ports for high speed PC and printer connectivity
- All operational modes as standard - Photometric; Spectrum; Quantitation; Kinetics, Time Scan, Bio-method in stand alone and PC mode.
- Large sample compartment compatible with wide range of accessories.
- Must supply one pair of 10mm path length Quartz Cuvettes of 3.5 ml volume as a standard supply
- 12 months warranty from the date of installation

Rotary vacuum evaporator apparatus with cold water circulating bath and high vacuum pump

Cold water Circulator, Capacity 10-15 Ltrs. Approx. Temperature range from ambient to -5°C . Accuracy $\pm 0.5^{\circ}\text{C}$. Inner chamber is made of Stainless Steel and Outer chamber is made of Mild Steel sheet. Powder coated provided with hermetically sealed compressor (Kirloskar) with cooling coil condenser with blower and all other accessories. One heavy duty circulating pump fitted inside the cold bath for good circulating. Temperature is controlled by best quality Digital Temperature Controller cum indicator-Operated on 220/230 volts A.C. Main.

Pampa Guha 9.4.22
Principal Investigator

Forwarded to
the Principal.
Masim Rahman Saikh
09/04/2022

Sital Prasad Chatterjee
Principal
City College, Kolkata
Principal
CITY COLLEGE
Kol-9
