



DEPARTMENT OF BIOCHEMISTRY

(DST-FIST Sponsored Department)
UNIVERSITY OF KERALA



Established as University of Travancore by the Travancore University act in 1937 and reconstituted as University of Kerala by the Kerala University act of 1957 and presently governed by the Kerala University act of 1974 passed by the Kerala state Legislative Assembly)

(Re – accredited by NAAC with ‘A’ Grade)

KARIAVATTOM

THIRUVANANTHAPURAM – 695581

PHONE: 0471 2308078

Email: biochemistry@keralauniversity.ac.in

27.04.2022

QUOTATION NOTICE

(BCH/State Plan-01/2022-23)

Sealed two bid quotations are invited for the supply of **Double Beam UV-Visible Spectrophotometer** with relevant specifications with on or before **17/05/2022** at **4.00pm**. Sealed quotations should be addressed to Professor & Head, Department of Biochemistry, University of Kerala, Thiruvananthapuram-695581 with superscription “Quotation for the supply of **Double Beam UV-Visible Spectrophotometer** The quotation will be opened on **18/05/2022** at **11.00 AM** in the presence of such tenderers or their authorized representatives who may be present at that time. The rate quoted shall be valid for a period of one year. Quotations should also include all the supportive work for installation, loading and unloading of the equipment. Bidders have to note Appendix I- Technical Specifications and Appendix II- Terms and Conditions and should attach the relevant documents along with the quotation.

Name of the Equipment: Double beam UV-Visible Spectrophotometer

Appendix I- Technical Specifications

- Wavelength range-190 to 1,100 nm
- Spectral bandwidth-1 nm (190 to 1,100 nm)
- Wavelength setting-0.1 nm increments (1 nm increments when setting scanning range)
- Wavelength accuracy- ± 0.1 nm at D2 peak 656.1 nm, ± 0.3 nm for entire range
- Wavelength repeatability- ± 0.1 nm
- Wavelength slew rate-Approx. 29,000 nm/min
- Wavelength scanning speed-3,000 to 29,000 nm/min when survey scanning.

- Stray light- Less than 0.02% at 220 nm (NaI)
Less than 0.02% at 340 nm (NaNO₂)
Less than 0.5% at 198 nm (KCl)
- Photometric system- Double beam optics
- Photometric range-Absorbance: -4 to 4 Abs, Transmittance: 0% to 400%
- Photometric repeatability - Less than ± 0.0002 Abs at 0.5 Abs
Less than ± 0.0002 Abs at 1
Less than ± 0.001 Abs at 2 Abs
- Light source - 20-W halogen lamp and deuterium lamp
- Monochromator - LO-RAY-LIGH grade blazed holographic grating in Czerny-Turner mounting
- Detector - Silicon photodiode
- Display- 24-bit color touch screen

Appendix II- Terms and Conditions

- Delivery within 4-6 weeks from the date of receipt of our order
- 1-3 years Warranty