

YOGI VEMANA UNIVERSITY :: KADAPA

REGISTRAR



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To

Date: 19-03-2015

The FIRMS,

Quotations in sealed cover are invited for the supply of UV-VIS Spectrophotometers for Department of Biochemistry.

S.No.	Make & Model No	Specifications
1	ELICO: SL-159 Single Beam Microprocessor based Scanning UV-Visible Spectrophotometer	Range-190 to 1100 nm; Bandwidth-2 nm; Readability-0.1 nm; Accuracy- ± 0.5 nm; Repeatability- ± 0.2 nm; Range- ± 2.5 Abs; Accuracy- ± 0.005 Abs at 1.0 Abs; Repeatability- ± 0.003 Abs at 1.0 Abs; Stability (Baseline) - 0.003 Abs/hr. after 2 hour warm-up; Stray Light- $<1\%$ T at 220 nm with KCl 10g/L and $<1\%$ T at 220 nm with NaI 10g/L; Czerny - Turner type with 1200 lines/mm Holographic Diffraction Grating; Deuterium Lamp (D ₂) & Tungsten (W) Halogen Lamp; Silicon Photo Diode; USB Interface; Standalone; Spectrum, Discrete Wavelength, Concentration, ϵ - Factor, Time Scan, Enzyme Kinetics, Overlay, Ratiometric, Peak Picking, Upto 4th order Derivative, Spectra Zooming, Smoothing, Data Saving & Retrieving, Auto Zero facility and Printing; Motorised 6 position Cuvette holder for 10 mm Path Length Cuvettes; 10 mm Path length Cuvettes - 2 nos.
2	ELICO: SL-210 Multipurpose Double beam UV-Visible Spectrophotometer	Range-190 to 1100 nm; Bandwidth-1.8 nm; Readability-0.1 nm; Accuracy- ± 0.5 nm; Repeatability- ± 0.2 nm; System- Double beam optics; Range- ± 3 Abs; Accuracy- ± 0.005 Abs at 1.0 Abs; Repeatability- ± 0.002 Abs at 1.0 Abs; Stability (Baseline)- 0.003 Abs/hr. after 2 hour warm-up; Stray Light- $<0.05\%$ T at 220 nm with NaI 10g/L; Pre aligned Deuterium Lamp (D ₂) & Tungsten (W) Halogen Lamp; Silicon Photo Diode; Concave holographic grating with 1200 lines/mm; Standard-Fixed 10mm path length Holders for Reference and Sample.

Interested firms are requested to send their quotations by Speed/Registered/Courier/Drop in Box at Y.V.U. to "The Registrar, Yogi Vemana University, Kadapa – 516 003 should reach on or before 26th March, 2015 at 5.00PM. The envelope should be super scribed as "YVU/UGS XII/QUOTATIONS/ UV-VIS SPECTROPHOTOMETERS FOR BIOCHEMISTRY/2014", Last Date: 26-03-2015.

Sd/- REGISTRAR

Copy to the

1. Co-ordinator, Web Committee, Yogi Vemana University, Kadapa for information and necessary action.
2. Vice-Chancellor, Yogi Vemana University, Kadapa for information.