

Quotations are invited for the Supply of UV-visible spectrometer on two bid system (technical and commercial bids)

SPECIFICATIONS FOR PC Based UV/VIS SPECTROPHOTOMETER

Computer controlled Double beam Double Monochromator UV-Visible Spectrophotometer with following specifications is required:-

- Measurement Range : 187-900 nm
- Resolution :0.1nm
- Bandpass : 0.1,0.2,0.5,1,2,5,10nm, Low Stray light Mode, Microcell Mode
- Source : Prealigned Deuterium and TungstenHalogen lamps with automatic switch-over
- Stray Radiation : 1% (198nmKCl 12g/L), 0.00008% (220nm, NaI 10g/L),
0.00008% (340nm, NaNO₂ 50g/L),0.00008% (370nm, NaNO₂ 50g/L)
- Wavelength accuracy : +/-0.1 nm (@656.1nm) or Better
- Wavelength Reproducibility : +/-0.05 nm or Better
- Photometric Accuracy : +/-0.0015 A (0to0.5Abs), +/-0.0025 A (0.5to1Abs) using NIST 930 Dfilter or Better
- Photometric Range : -4 to 6 Absor Better
- Photometric Noise : 0.00003A RMS or Better.
- Baseline Stability : 0.0003 A/h or Better
- Baseline Flatness : +/- 0.0003 Absor Better
- Detector :Photo multiplier for sample and reference beams.
- Scanning speed : atleast upto4000nm/min or better

The operating software should be window based & it should be possible to scan spectra, Time scan measurements, quantitative measurements, multiple wavelength readings and temperature ramping Software to be provided as standard.

Accessories should also be quoted for measurement of:-

- 1) Liquid samples (10mm Quartz Cell, matched pair)**
- 2) Water Thermostatted Peltier cell holder (Range: 0 -100⁰C)**
- 3) Water circulator for Peltier.**

Please mention

1. Warranty
2. Discount if any

Due date on or before 05-07-2015, 5PM