

JADAVPUR UNIVERSITY WEBSITE

Enquiry No. Chem.Engg./DST-PURSE/4/2017

09/02/2017

Call for Quotation for UV-Visible Spectrophotometer

Specification

- Grating (1200 lines/mm grating), aluminum body .
- Monochromator : Czerny turner.
- wavelength: 200-1000nm, band width: Fixed 2nm or better or variable B/W.
- Instrument must be fully PC control with controlling software.
- wavelength accuracy: $\pm 0.5\text{nm}$
- wavelength Repeatability: 0.2nm;
- Baseline Flatness ± 0.003 Abs;
- Stray Light-: 0.05 % T @ 220 nm, 370 nm,
- Lamps- Deuterium Lamp & Tungsten Halogen Lamp must have the provision to operate from separate control through PC.
- Expansion of spectra & overlaying of spectra, 1st to 4th derivatives must be in the controlling software. Editing /saving the calibration curve is required in the software function.
- Detector-Silicon Photodiode or PMT
- Photometric Accuracy: $\pm 0.005A$ at 1Abs
- Photometric Repeatability; 0.002Abs at 1Abs
- Photometric Display Range: -0.3 to 2.5Abs, 0 to 100 % T,
- Sample holder: At least 5 positions automatic,
- The instrument must have the provision when the system is turned on it checks its electronic sub systems and the unit goes through a wavelength calibration routine to ensure wavelength accuracy

Kajari Kargupta

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- PC control or USB to serial port.
- Credentials of the instruments should be attached.

Quotations are invited within 2 pm of 21.02.2017. The quotations will be opened on 21-02-2017 at 3 pm.

To

The Head,
 Chemical Engineering Department
 Jadavpur University
 Kolkata-700032

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 09/02/2017

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