

NOTICE INVITING QUOTATIONS

Sealed Quotations are invited for UV Visible Spectrometer as per the following specifications:

Instrument Specifications:

- Optical Design - Split Beam (internal double beam design)
- Light Source- Deuterium and Halogen lamp, auto switching at 320~360nm
- Detector- Silicon photodiode
- Wavelength Range - minimum 190~1100nm
- Bandwidth- 2.0 nm
- Wave length Accuracy- minimum +/-0.5 nm
- Wave length Repeatability- minimum +/-0.2 nm
- Photometric range- -0.300~4.000A, 0.0~300%T, 0.000~39996C
- Measurement range- Absorbance, Transmittance (%T), Concentration
- Photometric accuracy- +/- 0.004Abs at 1.00 Abs
- Baseline flatness- +/-0.002Abs (210~1100nm)
- Stability- <0.0003Abs/hr at 500nm after 1hr warm-up
- Stray Light- <0.05% at 340 and 220 nm by NIST SRM2031
- Wavelength scanning speed- 100-5000 nm/min (user programmable)
- Display- 6 Inch LCD display with back light
- Interface- RS232 and parallel port
- Power- 100~240V at 50/60Hz
- Dimension- 506(W) x 430(D) x 220(H) mm

PC software- PC-UV-mate software with below specification :

- The software includes standard Photometric, Spectrum, Time scan, Kinetic and Quantitative features.
- The software includes special features of DNA/RNA analysis for 260/280nm ratio, 230/260nm ratio with or without background 320nm and Warburg-Christian concentration.
- It includes protein analysis feature with most commonly used assay methods like Bradford protein analysis, Lowry protein analysis, Biuret protein analysis, Direct UV method, Colloidal Gold and BAC methods.
- The software can save the data into an Excel sheet format.

INSTRUCTIONS:

Please provide **technical and financial bid details in separate sealed envelopes** and superscribed with **"QUOTATION FOR UV VISIBLE SPECTROMETER"**. Your sealed quotations should reach latest by 5:00 PM on **3rd May 2013 (Friday)** at the following address:

Dr V M Chariar

Block III, Room No 284

Centre for Rural Development and Technology

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I. TERMS AND CONDITIONS

1. Quotations must be CIF New Delhi. Validity of the quotations should be at least for 90 days
2. The quotation must mention the following details about the warranty : Number of years, Starting date (from the date of installation or date of supply).
3. Please indicate the critical spares and their expected life time
4. Delivery period should be clearly mentioned
5. Taxes/Duties applicable should be clearly mentioned

II. PLEASE NOTE THE FOLLOWING POINTS

1. The Institute has the right to accept or reject any or all quotations without assigning any reasons thereof.
2. Since the items are meant for research purpose in a reputed educational Institute in India, a special price discount may be offered.