

Enquiry No: JKS/CHE/2014-15/Nov/01

Dated: 10-11-2014

Last date: 25-11-2014

Sealed quotations (**separate technical and commercial bid**) are invited by post/courier; for the supply of following system as per the specifications mentioned below along with complete terms and conditions. Party must attach all the related certificates like Agency certificate, Proprietary item certificate (if applicable) etc. Quotation not accompanied with proper certifications will be rejected.

Your offer should reach us on or before November 25, 2014 at the following address.

Prof. Jayant K. Singh
Department of Chemical Engineering
Indian Institute of Technology Kanpur
Kanpur 208016 INDIA

For any technical clarification, please contact nishachem@yahoo.in

Specification for UV-Vis Spectrometer.

PC controlled, scanning type UV-Vis spectrometer –

Optics	Double beam, Czerny Turner monochromator (Grating should be 1200 lines/mm or better)
Source	Xenon flash lamp (80 Hz) with typical lifetime of 7-10 years
Detector	2 silicon diode detectors for simultaneous sample beam and reference beam measurements
Measurable range	190-1100 nm
Spectral bandwidth	Up to 2 nm
Stray Light	$\leq 0.05\%T$ or better
Photometric Linear Range	4 Abs or better
Wavelength Accuracy	± 0.5 nm or better
Wavelength reproducibility:	± 0.1 nm or better
Photometric Accuracy	± 0.001 Abs or better
Baseline Flatness	± 0.001 Abs or better throughout UV-Vis range
Photometric Stability	< 0.0004 Abs or better
Photometric noise	≤ 0.0001 Abs or better
Local accessories	Branded PC, Display Screen, Printer and UPS with 4 sets of quartz cuvette to be offered

Terms and conditions

- Separate technical and commercial bids are to be submitted.
- Standard comprehensive warranty and support should be three years.
- Details of Annual Maintenance Contract (AMC) after standard warranty.
- Pre-installation requirements should be clearly specified in the quotation.
- Spares and consumables: A list of spares included with the equipment, sufficient number of rapidly wearing and consumable parts are to be included to cover the guarantee period
- Other necessary spares if not mentioned above.
- Installation: the price should be inclusive of full installation on site with full functionality demonstration.
- Training & Installation at our site should be done free of cost.
- Maximum education discount, if any, should be offered.
- Quotation should be valid for 60 days.
- Quotation should also carry certificates such as agency certificate, proprietary certificate, patent if any etc.
- All envelopes should be marked with enquiry number.
- Indian quotes should be in Indian Rupees (INR) on FOB destination basis. Foreign supplier needs to quote on FOB basis.
- Financial bid of the technically qualified vendor will be opened only after successful demonstration if institute wish to do so.
- Instrument may get preference for room light immunity and scanning speed more than 20000nm/min for kinetics study and full wavelength scan in less than 5 secs for fast analysis.