

**Indian Institute of Technology
Department of Chemical Engineering**

October 07,2013

Ref: IITD/BCHE/2013/AS/1

Purchase of fiber optics based UV-vis spectrometer with accessories

Quotations are invited for one UV-vis spectrometer with minimum specifications given in the Table below. Technical and commercial bids must be submitted in **separate** sealed envelopes subscribed with “Technical Bid” or Commercial Bid” as appropriate. Both technical and commercial bids should be enclosed in an envelope subscribed “Quotation for Uv-vis spectrometer”.

The quotation should reach **Dr. A. Shukla, Department of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi – 110016** latest by **5:00 P.M. on October 24, 2013.**

S. No.	Item	Description
1	Spectrometer detector range	200-1000 nm
2	grating	Usable range 200-650 nm or better, slit combination/optical bench allowing using higher range will be preferred. Resolution 2 nm or better
3	Signal to noise ratio	300:1 or better
4	Light source	A combination of lamps (separate sources) giving light in the range 200-1500 nm with essential accessories. Also, quote optional accessories like filters, calibration and intensity multipliers.
5	Accessories for solution chemistry	Cuvette (10 mm optical path), cuvette holder and solarization resistant optical fibers from light source to cuvette and cuvette to detector for absorbance and transmittance measurements. include essential software. Also quote for optional accessories and softwares.
6	Essential Accessories	Connecting cables and other essential, all fiber optics connectors must be SMA 905 standard and indicate if it is possible to use light source and other modules from other suppliers using SMA 905 connectors, suitable power supply adaptor to connect with 230V/50 Hz supply, optical bench, accessories for interface with PC (windows) through USB port, essential software must be included. Installation of instrument showing all mentioned capabilities is essential. Quote for solarization resistant optical fibers of different thickness.
7	Option Accessories a. Dip probe	For UV-vis range, must be solarization resistant. include essential parts and software along with the

		probe. optical path length: 10mm
	b. reflectance system accessories	Solarization resistance reflectance probe for UV-vis range, probe holder and other essential accessories for measurement on thin films.
	c. Integrating sphere	Quote for different sizes in the range 5 to 12.5 cm diameter
	d. detectors of higher resolutions or TE-cooled detectors	

Terms and Conditions:

- IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or fully) and necessary “Custom Duty Exemption Certificate” can be issued after providing following information.
 - a. Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
 - b. Forwarder details i.e. Name, Contact No., etc.

Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute and Bills of Entry should be submitted to IIT Delhi later on.
- Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
- IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required.
 - a. Quotation with details of Basic Price, Rate & Amount on which ED is applicable.
- Please quote prices of imported items at FOB (Freight on Board) IIT Delhi inclusive of all taxes, freight, delivery, installation and onsite training charges. The quotation should provide the total price of the system including all taxes and transportation charges.
- In case IIT Delhi is imposed with demurrage charge due to import on CIF, the entire demurrage charge has to be borne by the Indian Agent of foreign supplier.
- Three years comprehensive warranty be provided and AMC price beyond 3 years should be mentioned separately.
- Payment Option: Against Delivery: Payment by wire transfer after receipt of material.
Delivery period: within 1 month from the issue of supply order.
- The quotations must have validity of at least three months.
- The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated clearly.
- Authority of IIT Delhi reserves the right to reject any or all quotations without assigning any reasons
- Attach all the technical literature and a list of similar installations done in India.
- Complete set of manuals for the operation and servicing of the equipment should be given.
- Clearly specify installation requirements – such as space, power, frequency, environment (Temperature, humidity) etc.
- If the bidder is Indian agent, the agency certificate should be enclosed.
- Please produce compliance certificate for the specification.

- Please ensure that the Indian agent has been enlisted with the Department of Expenditure, evidence may please be attached.
- Quote separately for models of higher specifications also.

Anupam Shukla
Department of Chemical Engineering