

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF CIVIL ENGINEERING

Enquiry No: CE/HWRE/SG/2015-16/2

Date: Aug 13, 2015

Subject: Quotation for supply of UV-VIS SPECTROPHOTOMETER

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover in order to reach us by Sep 04, 2015 in the form of a hard copy to the address mentioned below. If you have any questions please call Dr. S. Guha at 0512-2597917, email:sguha@iitk.ac.in.

The prospective suppliers are required to send quotation in two parts in sealed envelopes, as “Technical Bid” and “Financial Bid”. The Technical Bid should contain detailed technical specification of the product being offered and should not mention any prices. The Financial Bid should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges, shipping and handling charges, if any. The two separate and sealed envelopes should be clearly marked appropriately as “Technical Bid” and “Financial Bid”. Kindly write the inquiry no. on the top of envelop.

Specification for UV-Vis Spectrophotometer:

Optics	Double beam, Czerny Turner monochromator (Grating should be 1200 lines/mm or better)
Source	Xenon flash lamp (80 Hz) with lifetime of 7-10 years
Detector	dual silicon diode detectors
Measurable range	190-1100 nm
Spectral Bandwidth	<1.5nm
Stray Light:	≤0.05%T or better
Photometric Linear Range	4 Abs or better
Wavelength Accuracy	± 0.5 nm or better
Wavelength reproducibility	± 0.1nm 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
Data Interval	minimum 0.15 nm, maximum 5 nm
Data Collection Rate	minimum 80 data points/sec

Note:

1. The instrument should be controlled by proprietary software and the computer should be made available with the instrument.
2. Two sets of quartz cuvette are to be offered with the instrument.
3. Warranty must be for a minimum of 1 year with optional price quote for 2 additional years.
4. Please include financial quote for all available accessories separately. Please do not include this in the main quote.
5. Instrument will get preference for room light immunity and scanning speed more than 20000nm/min for kinetics study and full wavelength scan in less than 5secs for fast analysis.
6. Supplier must submit authentic documents to prove their claim in meeting or deviating tender specification. Website link should be also be provided to support the claim.
7. Financial bid of the technically qualified vendor will be opened only after successful demonstration if institute wish to do so.

Terms and Conditions

1. Maximum education discount, if any should be offered.
2. Validity of quotation should be at least for 60 days.
3. Prices should be quoted on FOB (Free on Board) only (if imported).
4. Normal payment terms for the Institute will be applicable (90% on delivery of the items and the remaining 10% after satisfactory installation/inspection).
5. Quotation should carry proper certification like agency certificate, proprietary certificate, etc.

Kindly write the enquiry number on the top of envelop.

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