



DEPARTMENT OF CIVIL ENGINEERING
Indian Institute of Technology Madras
I.I.T.P.O., MADRAS-600 036

Form for Inviting Quotations

Ref.No.CIE/LIGY/2018/UV VISIBLE/

Date: 4-10-2018

DUE DATE: 18-10-2018 – 4.00 P.M.

To

Dear Sirs,

1. Quotations are invited in duplicate for the various items shown below / overleaf / Enclosed list.
2. **The Quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned and contain in 2 bid system i.e. Technical bid and Commercial bid in two separate envelopes should be enclosed in a single envelope only so as to reach on or before the due date stipulated above.**
3. The Quotations should be valid for ninety days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
6. Local Firms : Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
7. Firms Outside Madras : Quotations should be for F.O.R. Madras. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
8. The rates of GST and other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for GST/General Taxes will be admitted at any stage and on any ground whatsoever. IIT Madras is eligible for concessional GST. Relevant certificate will be issued. In case of import supply the price should be quoted without custom duty. I.I.T. Madras is exempted from levy of IGST on Imports and eligible for concessional custom duty (not exceeding 5%) and the price should be quoted on **EX-WORXS** and **CIP** basis indicating the mode of shipment.
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.

Yours faithfully,

Dr. Ligy Philip

[Dr. LIGY PHILIP]

Note: (i) Quotation should be sent by SPEED POST only or to be delivered directly to the concerned.
(ii) Firms are requested to submit the specifications of their product along with supporting technical Documentation / brochure instead of reproducing the specifications sent by us.

Technical Specification for UV-Visible Spectrophotometer

System should be designed and manufactured under ISO-9001 and should comply with international regulatory, safety and electromagnetic compatibility requirement. The UV-Vis spectrometer data system should be based on Microsoft Windows operating system for instrument control, data acquisition and data analysis.

Specifications:

S. No	Specifications	Descriptions
1	One vendor solution and Detection mode	The UV-Visible spectrometer must be manufactured, supplied and installed by a single vendor
2	Photometric System	Double beam optics
3	Photometric Accuracy	+/- 0.002 Abs or better
4	Wavelength Range	190 to 1100 nm or better
5	Wavelength Accuracy	+/- 0.1 nm (656.1 nm: D2 Lamp) or better
6	Wavelength Repeatability	+/- 0.1 nm or better
7	Photometric range	Up to 3 Abs or better
8	Spectral Bandwidth	Selectable from 1 nm or better
9	Wavelength Scan Speed	Up to 25000 nm/min or better
10	Stray light	0.05% or less
11	Detector	Silicon photodiode
12	Light source	Tungsten and Deuterium lamp
13	Quartz Cuvette	3 mL capacity 10 mm path length
14	Automated multicell holder	Minimum 6 holder or more

Data Acquisition

1. The system must be provided with a set of installation, operating and troubleshooting manuals both in paper and software forms.
2. A suitable PC compatible for the above instrument control should be supplied along with the instruments. The PC should meet the minimum requirements such as desktop with i-5 Processor, 8 or 16 GB RAM, 1 TB or more, Windows 10 and 24" or more LED monitor.
3. Minimum 2 years warranty with 1 or 2 year free service will be preferred
4. A service center must be available in Chennai for service engineers to attend to the instrument for maintenance or troubleshooting.
5. On-site training for the operation of the hardware and software systems should be included.

Dr. J. Philip