

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119
Tel. No. 01744 – 233266 Fax No.01744-238050

No.SO/SCH/8321/ 79

Dated: 5.1.2012

M/s

List of Addreses Attached

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Sub: INVITATION OF QUOTATIONS FOR SUPPLY OF FLUORESCENT SPECTROPHOTOMETER

1. You are invited to submit your most competitive quotation for the following goods:

Sr.No.	Brief Description & Specifications of Goods	Quantity
1.	Fluorescent Spectrophotometer (Detailed Specifications are attached).	01 No.

- Necessary literature of the goods may please be sent to facilitate to take decision.
- All duties taxes and other levies payable by the Institute shall be included in the total price. This Institute does not issue Form C or D.
- Payment is normally made by Cheque drawn on State Bank of India within 30 days after receipt of material in good condition and according to specifications.
- The supplier shall deposit Earnest Money alongwith the Quotation amounting to Rs.28,000/- in shape of Accounts Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee from any Commercial Bank in favour of the Director, National Institute of Technology, Kurukshetra. The Quotations without Earnest Money shall be rejected. The EMD will remain valid for a period of 45 days beyond the final validity period of Quotation.. If the supplier withdraw or alter the Quotation the EMD will be forfeited.**
- The successful supplier will furnish Performance Security @ 5% of the total value of the items in shape of Demand Draft, FDR or Bank Guarantee from any Commercial Bank in favour of the Director, NIT Kurukshetra valid upto 60 days for the period of contractual obligations and warranty period. The EMD will be refunded to the successful supplier on receipt of Performance Security.
- The items must be supplied within delivery period or delivery period extended by the Institute on the request of the supplier on genuine grounds otherwise the penalty for delayed period @ 0.5% of the amount shall be charged for every week or part thereof and the maximum 10%.
- The quotation should remain valid for a period not less than 45 days from the date of submission.
- The Quotation received after due date and time shall not be considered.
- The right of accepting or rejecting any quotation and to cancel the bidding process and reject all quotations without assigning any reason is reserved with the Institute.
- The due date for receipt of quotation is **24.1.2012** and will be opened on next working day. Please quote on the top of the envelope our Ref. No. and due date of opening.

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My
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STORES OFFICER

Fluorescent Specifications for ~~Fluorescent~~ Spectrophotometer

Hardware Specifications	
Light Source	150W Xenon lamp. Ozone resolving type lamp housing.
Excitation and emission monochromators	Concave, blazed holographic grating, F/2.5, 1300 grooves/mm.
Wavelength scale	220-900nm.
Measuring wavelength range	220-750nm and 0 order as standard. 220-900nm with the optional R928 photomultiplier.
Spectral bandwidth	6-step selection of 1.5, 3, 5, 10, 15 and 20nm. (6nm bandwidth is available for half sample height on the excitation side only.)
Wavelength accuracy	±1.5nm.
Light source compensation	Dynode feedback system with monochromatic light monitoring.
Sensitivity	The S/N ratio is 150 or higher for the Raman line of distilled water (350nm excitation wavelength, 5nm spectral bandwidth, and 2 second response for 98% of the full scale).
Wavelength scanning	7-step selection of Survey (about 5500nm/min), Super (about 3000nm/min), Very Fast, Fast, Medium, Slow and Very Slow.
Wavelength slewing speed	About 20,000nm/min.
Response	8-step selection of 0.02, 0.03, 0.1, 0.25, 0.5, 2, 4, and 8 seconds for 98% of the full scale.
Sensitivity selection	2-steps of HIGH and LOW. (The sensitivity at HIGH is about 50 times that of LOW.)
Interface	RS-232C interface, interface for autosampler, and interface for sipper unit.
Dimensions and weight	667W x 530D x 270H mm; 43 kg.
Power requirements	100, 120, 220, 240V; 50/60Hz; 400VA.
Operational temperature range	15-35°C
Operational humidity range	40-80% (Below 70% with temperature higher than 30°C).
Software Specifications	
Measurement	Excitation, emission and synchronous spectrum measurement, time-course measurement, quantitation, automatic search of optimal excitation and emission wavelengths
Data processing	Arithmetic calculation between spectra and between a spectrum and a constant, smoothing, 1 st through 4 th derivatives, 1/Y, logarithmic conversion, data printout

	(with or without activity value computation), peak pick, point pick, area calculation, averaging (in quantitation), generation of calibration curves of 1 st through 3 rd order.
Filing	Save, recall, and delete data. Conversion into ASCII or CSV formats.
Data output	Automatic scale adjustment, readout of data at user-specified point, data printout (preview function provided), and selection of colors and types of curves.
Maintenance	Macro ability for signal-to-noise ratio, monitoring of the run time of light source lamp.
User interface	ToolBox (assign icons for commonly used menu commands), Online Display, and Macro ability.
Other functions	Data exchange via clipboard, auto response control, automatic shutter.
PC requirements	IBM-PC/AT or 100% compatible; 486 or higher CPU; 16 Mbyte or larger main memory. Operates on MS-Windows version 95 or higher.