

DEPARTMENT OF CHEMISTRY
INDIAN INSTITUTE OF TECHNOLOGY - DELHI
HAUZ KHAS, NEW DELHI - 110016

No. IITD/PLN03/ BCHM

Dated: 12/07/2012

NOTICE INVITING QUOTATIONS

Sub: Purchase of a continuous wave Argon-ion Laser to be coupled to a confocal microscope

Sealed quotations in separate envelopes of technical and commercial bid kept in one sealed outer envelope are invited for purchase of a continuous wave Argon-ion laser as per specifications given below. Your sealed quotation should reach latest by 5 PM on 3rd August, 2012 to **Dr. P. K. Chowdhury, Department of Chemistry, Indian Institute of Technology – Delhi (IIT Delhi), Hauz Khas, New Delhi - 110016**. Your quotation should be superscribed “Quotation for Continuous Wave Argon-ion Laser due on 3rd August, 2012”.

Specifications: Argon-ion Laser

The confocal microscope should be equipped with the following along with the necessary specifications as detailed below:

Selectable Wavelengths:	457.9nm, 488nm, 514.5nm and Multi-Line
Maximum Output Power:	8mW @ 457.9nm, 40mW @ 488nm, 50mW @ 514.5nm and 150mW Multi-Line
Beam Mode :	TEM ₀₀
Beam Diameter:	1/e ² -- 0.65 mm
Beam Divergence:	0.95mrad
Beam Pointing Stability:	<30urad
Output Power Drift:	< +/- 1% (after warm-up)
Beam Amplitude Noise:	< 1% RMS
Polarization Ratio:	> 250:1 (Vertical:Horizontal)
Warm-up Time:	~ 5 Minutes
Line Voltage/Line Frequency:	100VAC - 265VAC / 50Hz - 60Hz
Power Consumption:	less than 1500 Watts

This laser system has to be compatible with an already obtained confocal microscope system (fluorescence based) for spectral imaging and data acquisition at the single molecule level that includes FCS and FRET measurements. Laser needs to incorporate all needed mechanical and optical components for integration into the aforesaid microscope.

Terms & Conditions:

1. Please submit the TECHNICAL and FINANCIAL bids in separate sealed envelopes. Mark the two envelopes clearly as “Technical Bid” and “Financial Bid”. Both the sealed envelopes should be sent in a single sealed envelope, with clearly marked as “Quotation for Continuous Wave Argon-ion Laser due on 3rd August, 2012”. The quote should reach the following address on or before 3rd August, 2012, upto 5 PM.

Dr. P. K. Chowdhury
Department of Chemistry
Indian Institute of Technology Delhi (IIT Delhi)
Hauz Khas, New Delhi-110016

2. Please quote prices at FOB New Delhi, inclusive of installation charges.
3. The quotations should be in Indian Rupees as well as international currency wherever possible and should be valid for at least three months.
4. Please attach all the technical literature and a list of similar installations done in India.
5. Standard warranty details should be provided.
6. Payment should be through irrevocable letter of credit.
7. If the quote is being submitted by the representative of the Principals/manufacturer themselves, a valid Agency ship/Dealership Certificate authorizing the agent to quote to IIT Delhi on behalf of the Principals should be enclosed.
8. Complete set of manuals for the operation of equipment should be given.
9. Clearly specify the installation requirements—such as space, power, frequency, environment (Temperature and humidity) etc.
10. If the items quoted are proprietary in nature, please enclose proprietary certificate from the principals stating “certified that _____ is a proprietary item M/s. _____ and no other manufacturer makes these items.
11. If the bidder is an Indian agent, the agency certificate should be enclosed.
12. Please produce compliance certificate for the specification.
13. Training should be provided free of cost.
14. Delivery period should be specifically mentioned and should be as small as possible.
15. The products will be used for educational purposes. Hence any applicable institutional discounts should be offered and stated.
16. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.