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Date: 18 September 2012

Enquiry No.: CHM/PS/2012-13/ 21

Last date: 26 September 2012

Last date extended to 03 Oct. 2012 *psen*

Sub.: Request for quotation for fluorescence up-conversion spectrometer

Dear Sir,

Please send a sealed quotation with all the technical details of the following item(s) by ~~26 September~~ 2012 to the following address.

03 October
psen

Dr. Pratik Sen
Department of Chemistry
IIT Kanpur
Kanpur 208016
UP, India

Thanking you,

Sincerely,
Pratik Sen
(Pratik Sen)

Item: Fluorescence Up-conversion Spectrometer

Technical Detail:

- Spectrometer: **Fluorescence Up-Conversion unit with Excitation light Frequency Doubler and Tripler (SHG and THG) and Capable of measuring fluorescence anisotropy**
- Spectral Range: **Fluorescence detection range 350 – 1500 nm or Larger**
- Time-resolution (IRF): **~1.6 times of the excitation pulse-width or better**
- Opto-mechanical Delay: **1.5 ns or longer**
- Minimum delay step: **1.5 fs/step or better**
- Dark count of detector: **5 cps or less at ambient temperature**
- Flowing cell for liquid sample: **1 no**
- Sample cell: **At least 10 nos.**
- Temperature control accessories for sample cell to do temperature dependent experiment: **1**
- Mounted Mirrors with post, base for steering fundamental beam: **At least 6 nos.**
- Mounted Pinhole with post, base: **At least 6 nos.**
- Extra NLO crystal for SHG and THG: **1 each**
- Data acquisition and analysis software
- Warranty: **Two Years or more from date of installation**

Note: The system to be attached with Mai-Tai HP femtosecond laser system with tunable range 690 – 1040 nm