



SATYENDRA NATH BOSE NATIONAL CENTRE FOR BASIC SCIENCES

[Funded by the Department of Science & Technology, Government of India]

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Ref. SNB/ENQ/SKP&RB/Femto Laser/14-15/1324/(WP)

17.01.2015.

Dear Sir,

Sealed quotations are hereby invited for the following items in two parts (Technical and Commercial bids). One large envelope containing two smaller envelopes containing Part A: Technical Bid and Part B: Commercial Bid need to be submitted separately –

Two smaller envelopes should be super-scribed "**Technical Bid**"/"**Commercial Bid**" as the case may be.

Sl. No.	PARTICULARS	Qty
01.	Wavelength Detector	01 no.
02.	Fiber Optic Probe	01 no.
	(See reverse for detailed technical specification)	

Technical bid should contain complete technical information literature/working manual of the quoted item, & authorization certificate of the manufacturer.

Price Bid - In case of imported item CIF Kolkata airport price should be mentioned and for indigenous item FOR price up to S. N. Bose Centre may be quoted.

Note:

- 1) Validity of quotation should be 90 days from the date of submission.
- 2) Minimum one (1) year standard onsite replacement warranty is to be provided from the date of installation at site.
- 3) Authorisation Certificate for dealing with quoted items should be enclosed with the quotation.
- 4) Our payment term is subject to after satisfactory installation of the material at site.
- 5) Delivery period should be mentioned in the quotation.
- 6) Our ref. no. should be mentioned on top of the quotation envelope.
- 7) **Quotation for the above item should reach this office by 31st January, 2015.**

Thanking you,

Yours faithfully,

S. K. Singh
AR (Purchase)

Specification for Wavelength Detector:

Wavelength Detector for Femtosecond laser :	
Dynamic Range : 4000:1 with 5 decades	Dimensions : 5"x3"x2"
Resolving Resolution : 2.5mm with 25µm slit	Power consumption : 1.5 Amps @ 5 VDC
InGaAs/CCD Detector : 512 or 1024 pixels	Interface : USB-2
Detector range : 200-2000nm	Data transfer speed : 40x faster than USB-1
Pixel size : 25um x 500um	Detector Integration : 1 millisecond to 30 secs
Pixel well depth : 130×10^8 electrons	Slit size options : 25µm
Selectable well control : 130×10^8 or 5×10^6 el	Operating System : Windows XP/Vista/7
Signal to noise : 4000:1 with TEC Cooling	Software should be included ; Spectra Wiz programs & Apps.
Digitizer : 16-bit	Also free programs for : LabView, Excel+ VBA, Delphi

Specification for Fiber Optic Probe:

Fiber Optic Probe for Femtosecond wavelength Detection:

Attaches to spectrometer vis SMA 905, has integrated filters and optics with working distance of 4.5mm to the laser beam, configured for 785nm laser.