



**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/14-15/1471/WP

16.02.2015.

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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 **02<sup>nd</sup> March, 2015.**

Thanking you,

Yours faithfully,

S. K. Singh  
AR (Purchase)

Specification for Wavelength Detector:

<b>Wavelength Detector for Femtosecond laser :</b>	
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 : $130 \times 10^8$ electrons	Slit size options : 25µm
Selectable well control : $130 \times 10^8$ or $5 \times 10^6$ 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.