



**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/Pulse Picker/14-15/1240(WP)

24.12.2014.

Dear Sir,

Sealed quotations is hereby invited for the following items -

Sl. No.	PARTICULARS	Qty
01.	Pulse picker for third harmonic generation with the following items. a) Detector head b) Pre amplifier c) DC Block adapter d) Mono chromator (IR) e) Aperture adapter (See reverse for detailed specification.)	As per list (See reverse)

**Note:**

- 1) If quotation is in foreign currency, CIF Kolkata Airport price should be quoted. In case of quotation in INR, FOR price upto S.N. Bose Centre need to be mentioned.
- 2) Validity of quotation should be 90 days from the date of submission
- 3) Minimum one (1) year standard onsite replacement warranty is to be provided from the date of delivery.
- 4) Authorisation Certificate from OEM for dealing with quoted items should be enclosed with the quotation.
- 5) Payment will be made after satisfactory receipt of the material at site.
- 6) Delivery period should be mentioned in the quotation.
- 7) Our ref. no. should be mentioned on top of the quotation envelope.
- 8) Quotation for the above item should reach this office by **13<sup>th</sup> January, 2015.**

Thanking you,

Yours faithfully,

S. K. Singh  
AR (Purchase)

**1. High-Sensitivity InGaAs Pin Detector, 750 - 1650 nm, Fiber Coupled (with Power Supply): (Quantity 1)**

<b>Specification</b>	<b>Value</b>
Detector	InGaAs Pin
Wavelength Range	750 - 1650 nm
<b>Sensitivity</b>	
10.7 Gb/s, 1310 and 1550 nm, SM	-20 dBm
12.5 Gb/s, 1310 and 1550 nm, SM	-19 dBm
10.7 Gb/s, 850 nm, MM	-16 dBm
Trans-impedance Gain	460 into 50 $\Omega$
DC Offset	0.0 V
Rise/Fall Time	<50 ps
Bandwidth, Typical	DC - 9.5 GHz
Digital Capability	12.5 Gbs
<b>Connections</b>	
Input	FC/PC Fiber Connector
Output	SMA - 50 $\Omega$
Input Fiber	Multimode
Power Supply Input	12 VDC @ 150 mA Max

**2. 300  $\mu$ m diameter FC/PC to SMA Fiber Patch Cable, length 1 m (Quantity 1)**

**Specification**

Core diameter: 300  $\mu$ m  
 Cladding diameter: 325  $\mu$ m  
 Wavelength Range: 500-2000 nm

**3. 50  $\mu$ m diameter FC/PC to SMA Fiber Patch Cable, length 1 m (Quantity 1)**

**Specification**

Core diameter: 50  $\mu$ m  
 Cladding diameter: 125  $\mu$ m  
 Wavelength Range: 500-2000 nm

**4. IR Monochromator, with wavelength selection in the range 750-1600 nm. (Quantity 1).**

**Specification**

Wavelength range: 750 nm-1600 nm  
 f Number: 3.9  
 Focal Length: 74 mm  
 Grating: 2 cm square  
 Wavelength Accuracy (% of wavelength):  $\pm 0.2\%$   
 Wavelength Reproducibility:  $\pm 0.15\%$   
 Wavelength Readability: 0.2 nm  
 Input and output: Slits with Aperture Adapter for connecting SMA-905 ended fiber cable.

**Two monochromator aperture adapters for connecting SMA-905 optical fiber should be provided with the system.**