Indian Institute of Technology, Kanpur
Department of Physics

Enquiry no.: IITK/PHY/539
Enquiry date: 23-Oct-2015
Closing date: 06-Nov-2015

Sealed Quotations are invited for:

Single Photon Counting Module (Qty. 01) with the following specifications:

Specifications:

Photon detection efficiency (Pd) at: 400nm 650nm 830nm 1060nm	 >5 % >65 % >45 % >2 %
Dark Count(Counts/s)	100
Average dark count variation at constant case temperature (For at least 6 hrs at 25 ºC)	< 2%
Pd variation at constant case temperature	< 5%
Pd variation from 5 ºC to 40 ºC	< 10%
Average dark count variation at 5 ºC to 40 ºC case temperature	<2%
Single photon timing resolution	<0.3 ns
Dead time (count rate below 5M/c)	< 60 ns
Output Count Rate before saturation	>10 Mc/s
After pulsing probability	1.0%
Setting time following power up (1% stability) at 1 Mc/s and 25 ºC	< 20 s
Output pulse width	15 ns
Supply Voltage	< 5.25 V

Start /trigger delay	<11 ns
Active area (diameter) at minimum Pd	180 µm
With fc connector	yes

Terms and conditions:

- Quotations are required in duplicate in a sealed envelope with enquiry number mentioned on the envelope. Technical specifications along with the extent of compliance should be mentioned.
- Maximum educational discounts should be applied – this equipment will be used in a laboratory that will support research as well as teach and train students.
- Quotations must have a validity of a minimum of 60 days.
- The delivery period should be specifically stated.
- Along with the technical comparison, the manufacturer's specification sheets for the product **must be** enclosed
- All the products **must be** in metric unit unless otherwise mentioned.
- If needed, the supplier/bidder should be able to give a demonstration of the product in IIT Kanpur.

For delivery to IIT Kanpur

- The quote should include the shipping which should be for CIF Delhi.
- IIT Kanpur is exempted from payment of Excise Duty under notification no.10/97
- IIT Kanpur is entitled to avail concession rate of sales tax as admissible under Sub-sec 5 of Sec 8 C.S.T Act 1956 applicable to Educational/Research institution in inter-state purchase, if supplied from within India.

Address the quotations to:

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