

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**  
**IIT Post office, Kanpur 208016, U.P**  
**Department of Physics**

**Enquiry no.: PHY/RV/EOP/2012/1**

**Enquiry date: 29/03/2012**

**Closing date: 13/04/2012**

**Sealed quotations should reach the undersigned latest by 4.00 pm on 13<sup>th</sup> Apr, 2012 for the following equipment:**

<b>Description</b>	<b>Quantity</b>
DFB laser source (1550nm) including laser diode and controller	One

The above-mentioned equipment should conform to the following specifications:

<b>Parameter</b>	<b>Required specification</b>
Laser diode type	DFB laser
Center Wavelength	1550 nm $\pm$ 0.2 nm
Laser linewidth	2-20 MHz (typical) – available linewidth should be specified in the quotation
Wavelength tunability	Preferred over +/- 1 nm
Side-mode suppression ratio	30 – 40 dB (typical)
Output power	Continuous wave; max: 10 mW (lower ratings up to 1 mW can be considered); power variation with current control essential; option to modulate the output power in kHz will be an advantage.
Laser output	Single-moded fiber (or PM fiber) output with FC/APC connector
Unit	Laser with power supply and TEC cooling built into a single unit; Spectral plot of the laser output should be provided with the unit.

**Terms and conditions:**

Quotations should have a validity of a minimum of 60 days.

The equipment should be provided with a warranty of 1 year.

Quotations are required in duplicate in a sealed envelope with enquiry number mentioned on the envelope.

The delivery period should be specifically stated.

The rate offered should be F.O.B (specify city).

Institute is exempted from payment of Excise Duty under notification no.10/97

Institute 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.

**Prof. R.Vijaya**

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