

Indian Institute of Technology, Kanpur
Department of Physics

Enquiry no.: IITK/PHY/173

Enquiry date: 18-Apr-2017

Closing date: 02-May-2017

Extended Closing Date: 12-May-2017

Sealed Quotations are invited for: Continuous Wave (CW) Laser (Qty = 1) and the necessary accessories

Required Specifications:

Wavelength	355 \pm 2 nm
Laser operation	Continuous wave (CW)
FWHM Linewidth	< 50 GHz
Spectral Purity	> 99%
Output Power	150 mW (Variable)
Spatial mode	TEM ₀₀
Beam Quality (M ²)	< 1.2
Beam Circularity	1.0 \pm 0.1
Beam Waist Diameter (FW, 1/e ²) : Horizontal Vertical	< 1 mm \pm 0.2 mm < 1 mm \pm 0.2 mm
Beam Divergence (FW, 1/e ²)	< 1.2 mrad
Beam pointing stability (after a warm-up of more than 2 hours)	< 6 μ rad / °C
Operating Temperature	10 to 40 °C
Horizontal Beam position tolerance	< \pm 1 mm
Vertical Beam position tolerance	< \pm 1 mm
Beam Pointing Tolerance	< 6 mrad
Polarization direction	Vertical, within 6 degrees
Polarization Ratio (Linear)	> 100:1
Power Stability	< \pm 1 %
Noise (10 Hz to 1 MHz)	< 0.1%, rms
Accessory # 1: Laser Goggle (Quantity= 2)	
Optical Density Visible Light Transmission (VLT)	> 7 (198 nm - 398 nm) > 90%

Terms and conditions:

1. Quotations should be made in two parts: Technical bid and financial bid, separately in sealed envelopes.
2. Financial bid for the product whose technical bid is not acceptable will not be opened. Any quote with the financial bid included in the technical bid will be immediately rejected.
3. The sealed envelopes with the quotes should be superscribed with the inquiry number and whether it is a technical or a financial bid.
4. Technical specifications along with the extent of compliance should be mentioned.
5. 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.
6. Quotations must have a validity of a minimum of 60 days.
7. Along with the technical comparison, the manufacturer's specification sheets for the product **must be** enclosed
8. All the products **must be** in metric unit unless otherwise mentioned.
9. If needed, the supplier/bidder should be able to give a demonstration of the product at IIT Kanpur.

(For delivery to IIT Kanpur)

10. The delivery period should be specifically mentioned and **must be** adhered to.
11. The shipping cost **must be** for CIF New Delhi and should be mentioned on the quote.
12. The quote **must** mention the final total price including everything (shipping, handling, taxes or any other charges)
13. IIT Kanpur is exempted from payment of Excise Duty under notification no.10/97.
14. 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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