

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

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

Enquiry date: 24/09/2012

Closing date: 22/10/2012

Sealed quotations should reach the undersigned latest by 4.00 pm on **22nd Oct, 2012** for the following:

Description	Quantity
Q-switched Nd:YAG laser along with second and third harmonic generators	One

The above-mentioned equipment should conform to the following specifications and a sheet showing the extent of conformation should be attached:

Parameter	Required specification
Important feature	High energy Q-switched laser with harmonic generators
Wavelength	1064 nm in fundamental, 532 nm from SHG and 355 nm from THG
Energy	800 mJ @ 1064, 400 mJ @ 532 nm and 120 mJ @ 355 nm
Line width	1 cm ⁻¹
Beam diameter	8 mm
Divergence	< 0.5 mrad
Beam pointing stability	< 100 μrad
Beam quality factor (M ²)	< 1.5
Pulse width	< 15 ns
Repetition rate	10 Hz
Accessories	Appropriate power supply for 220 V mains and suitable power cords
To be specified by manufacturers	Quote for a Chiller unit if required, specify flash-lamp lifetime and pulse width jitter

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.

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