

**Indian Institute of Technology Kanpur
Department of Physics**

Dr. Manas Khan

Department of Physics
Indian Institute of Technology Kanpur
Kanpur – 208016, Uttar Pradesh, India

Tel: +91 512 259 6885 (O)
+91 76774 76776 (M)
Email: mkhan@iitk.ac.in

Tender Notice

Enquiry No.: IITK/PHY/2018-19/05
Enquiry Date: 13/07/2018
Last Date: 03/08/2018, extended to 10/08/2018

Sealed quotations should reach the undersigned latest by 5:00 pm on 10th August 2018 for the following item:

S. No.	Description of item	Quantity
1	A CW DPSS laser at 1064 nm wavelength with max output power ~ 5000 mw	1

The above-mentioned item should meet the following technical specifications and appropriate data sheets should be attached showing the extent of compliance:

- Power supply and cooling system:** A single-phase 220 V power supply and air-cooling would be preferred. The quotation should include the cost of power supply and the cooling system required for operating the laser. Detailed technical specifications for the power supply and cooling system should be provided in the technical quotation.
- Laser output:** CW output at 1064 nm wavelength with maximum output power ~ 5000 mW.
- Spectral bandwidth:** < 80 GHz. Narrower bandwidth would be preferred.
- Spatial mode:** TEM₀₀
- M² :** ~ 1.1
- Beam divergence:** < 1.0 mrad. Lower beam divergence would be preferred.
- Power stability:** Laser output with lower intensity fluctuation would be preferred, even at lower power. Quote the power stability values at max output power and at 5% of max output power.
- Polarization ratio:** > 100:1 (vertical polarization will be preferred)
- Warm-up time :** < 10 mins

Terms and conditions:

- Quotations should have a validity of a minimum of 60 days.
- The equipment should be provided with a warranty of 1 to 3 years.
- Quotations are required in duplicate. Technical bids and financial bids have to be in separate envelopes inside one sealed envelope sent to us with enquiry number mentioned on the envelope. Technical

specifications along with the extent of compliance should be mentioned. Quotations that do not provide a compliance sheet will be rejected.

- The delivery period should be specifically stated.
- Permissible educational discount should be provided since the equipment will be used for research work of students.
- For suppliers from outside India, the rate offered should show both FOB (specify city) in the country of origin and CIF (New Delhi). IIT Kanpur has its own freight forwarder for shipping from outside India.
- IIT Kanpur is exempted from payment of Excise Duty under notification no.10/97 & partially @ 5.15% Customs Duty exemption certificate under notification 51/96. Road permit will be provided if applicable.

Dr. Manas Khan
Department of Physics
Indian Institute of Technology Kanpur
Kanpur – 208016, UP, India
Email: mkhan@iitk.ac.in