



**Department of Aerospace Engineering
IIT Kanpur**

Feb 01, 2013

Quotation request notice
(Enquiry No - IITK/AE/R_Kitey/16)

Sealed quotations are invited from dealers/distributors by the undersigned for **single frequency continuous mode diode-pumped solid state (DPSS) green laser of 1.5 W power**. The quoted laser should be at least of following specifications.

- Wave length : 532 nm
- Output power : 1.5 W (The equipment should have software based power control utility so that the laser power can be reduced to any level for alignment purposes)
- Spatial mode : TEM00 M2 < 1.1
- Beam specification: ~ 700 μm dia. at aperture, symmetry > 0.90:1, divergence < 1.2 mrad
- Long term stability : < 2% for 8 hrs, +/- 3 $^{\circ}\text{C}$
- Beam pointing stability : < 10 $\mu\text{rad}/^{\circ}\text{C}$ for 10-40 $^{\circ}\text{C}$
- Polarization : linear, vertical, > 100:1
- Operating temperature : 10 – 40 $^{\circ}\text{C}$
- Total system power consumption : < 65 W
- Laser head base plate temperature (Max heat dissipation) : < 50 $^{\circ}\text{C}$
- Light weight, small dimensions
- Two years of warranty for unlimited hours

The quote should be submitted to the Department of Aerospace Engineering, IIT Kanpur by 15.02.2013.

Terms & Conditions of the quotations are as under:

1. The quotations should be submitted in the properly sealed envelop, addressed to the undersigned. The enquiry no. and date should invariably be quoted on the top of the envelope.
2. The equipment is to be delivered at IIT Kanpur. The quoted price should be inclusive of sales tax and other taxes including freight charges (if any).
3. The quotations shall remain valid for two months from the date of opening.
4. The Institute reserves the right of accepting or rejecting any quotations without assigning any reason thereof.

Sincerely,

Dr. Rajesh Kitey
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