

Indian Institute of Technology Kanpur

Physics Department

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Sub: Inviting quotations for DPSS lasers and accessories

Sealed two part bids (separate technical and financial) are invited for DPSS laser systems and accessories listed below

- 01 Nominal Wavelength: 457nm (substitute for Ar ion laser) **01**
Output type : CW
Nominal Output Power: 50mW
Output Power Stability < 3%RMS/8h
Beam Pointing Stability : < 0.05mrad
Spectral Linewidth < 0.01pm (< 1MHz)
Divergence : < 1.2 mrad, full angle
Beam Diameter (1/e²) : < 1.0mm
Spatial Mode: TEM₀₀
M² : < 1.1
Polarization Ratio: > 100:1
Cooling Method: TEC/Forced Air
MTTF : 10,000 operational hours
- 01 Nominal Wavelength: 514.5 nm (substitute for Ar ion laser) **01**
Output type : CW
Nominal Output Power: 50mW
Output Power Stability < 3%RMS/8h
Beam Pointing Stability : < 10 microrad
Spectral Linewidth < 0.01pm (1MHz)
Divergence : < 1.2mrad, full angle
Beam Diameter (1/e²) : < 1.0mm
Spatial Mode: TEM₀₀
M² : < 1.1
Polarization Ratio: > 100:1
Cooling Method: TEC/Forced Air
MTTF : 10,000 operational hours
- 01 Nominal Wavelength: 532nm **01**
Output type : CW
Nominal Output Power: 50mW
Output Power Stability < 3%RMS/8h
Beam Pointing Stability : < 10 microrad
Spectral Linewidth < 0.01pm
Divergence : < 1.2mrad, full angle

Beam Diameter ($1/e^2$) : < 1.0mm
Spatial Mode: TEM₀₀
M² : < 1.1
Polarization Ratio: > 100:1
Cooling Method: TEC/Forced Air
MTTF : 10,000 operational hours

- 01 Fiber Coupling unit: An external fiber coupler with SM/PM/MM fiber (at least 2m in length) with easy mechanical mounting apparatus and collimators and alignment. Easily removable allowing laser to be used in free space by removing the fiber coupler assembly. Power output of the fiber >70% of the laser power. Fiber end connectors : SMA type **01**

Terms and conditions:

- Technical and financial details should be in separate envelope.
- Maximum educational discounts should be applied
- Validity of quotation should be at least for 60 days.
- Price should be on Ex-works basis, IIT Kanpur & quote should include the CIF pricing also.
- Institute is exempted for payment of Excise Duty under notification No. 10/97.
- Warranty minimum 2 years with unlimited hours of use
- Normal payment terms for the institute will be applicable
- Quotation should carry proper certifications like agency certificate, proprietary certificate, etc.
- The delivery should be specifically stated. Earlier delivery may be preferred.
- The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason

Please send your quotations valid for at least 60 days with detailed specifications on or before September 16, 2013 to the following address:

Rajeev Gupta
Physics Department,
IIT Kanpur 208016

Thank you,

Sd/-

(Rajeev Gupta)