

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

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Prof. S. A. Ramakrishna

Date: 27/08/2013

Department of Physics

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Enquiry no.: PHY/OPTICS LAB/2013-14/EQP/1

Enquiry date: 27.08.2013

Closing date: 10.09.2013

Sealed quotations should reach the undersigned latest by 4.00 pm on 10th September, 2013 for the following items:

- | | | |
|-----------|---|----------------|
| 1. | Monochrome CCD Cameras- | 15 Nos. |
| 2. | He-Ne Lasers with Power Supply - | 10 Nos. |

Technical Specification:

1. CCD Camera (Monochrome)

- Resolution: 5 Mega pixel (un-cooled camera)
- Damage Protection for higher intensity light
- Auto gain and Controllable (whereby autogain is disabled) gain settings
- C-mounted camera lens with 5 X zoom.
- Frames per Second > 30
- Operating Temperature- 0⁰C to 40⁰C
- 16 bit electronics
- Output images should be in universally accessible format like jpg, gif or mpg formats
- USB interface and image acquisition and display software package
- A USB cable for connecting camera to PC
- Standard Indian power supply inputs (220-240 V, 50 Hz), if necessary.

Kindly specify pixel size & image size of the quoted product

Kindly specify the sensitivity and noise levels of the quoted product

2. He-Ne Laser with Power Supply

- Shape: Cylindrical with diameter <50 mm
- Wavelength: 633nm
- Power: 5 mW
- Polarization: Random

- Mode Structure: TEM₀₀>99%
- Beam Diameter: <1mm
- Beam Divergence: <1 mrad
- Beam Drift: <0.2mrad
- Long Term Beam Drift: <0.05mrad
- Power Input: AC, 230 V,50 Hz
- Accessories: Appropriate Indian Standard Power Cables

Terms and conditions:

- Kindly supply the sealed quotations in two parts- technical and financial. The financial details should not be present in the technical part of the quote.
- Quotations are required in a sealed envelope with enquiry number, and whether financial or technical, mentioned on the envelope.
- Quotations should have a validity of a minimum of 60 days.
- All the equipment should be provided with a replacement warranty of 1 year against manufacturing defects.
- All the parts should be replaced free of cost in case of any damage in transit / deviation from specifications.
- Maximum possible educational discount should be specified on the quotation since all are for teaching purposes.
- The delivery period should be within 60 days of placing the purchase order.
- The rate offered should be F.O.R Kanpur for firms located outside Kanpur and free delivery at the Institute premises for local firms.
- Institute is exempted from payment of E. 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.

Yours Sincerely
(Prof. S. A. Ramakrishna)