

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Physics

Enquiry no.: PHY/RV/EOP/DRD/2015/4

Enquiry date: 10/06/2015

Closing date: 06/07/2015 ** extended****

Sealed quotations should reach the undersigned latest by **12 noon** on **6th July, 2015** for the following:

Description	Quantity
CCD imaging camera with image-processing software	One

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

1. CCD imaging camera with computer interface and data storage.
2. Sensor size and type: 13.3 x 13.3 mm, front-illuminated
3. Active pixels > 4.0 Megapixels (2048x2048)
4. 100 frames per second.
5. High quantum efficiency (better than 70%).
6. Pixel readout rate: fast (540 MHz), slow (216 MHz)
7. Maximum dynamic range: 33,000:1
8. Data range: 16-bit
9. Wavelength range: 350 nm to 1100 nm.
10. Air-cooled
11. Interface options to be specified in the quotation.
12. Instruction manual with clear instructions and trouble-shooting tips.
13. Installation on-site upon purchase, and demonstration of all parameters.

The camera will not be used for microscopy applications and will be used mostly for imaging laser / spectroscopic effects. A 32-bit software platform suitable for this is expected.

Any additional accessory useful for operation such as a de-magnifier for capturing images directly into the camera without imaging a screen, power cords for Indian use, suitable shutter controls, 3-m or 5-m long connector cables for operation from a distance, anti-blooming control and increased memory (if a stand-alone unit) may be included and clearly specified as essential or optional. All adaptors required to connect the camera to a computer (if required) should be quoted separately as accessories.

The supplier should be willing to supply the complete test report of the unit while shipping the item. Refurbished units are not acceptable.

Terms and conditions:

Quotations should have a validity of a minimum of 60 days.

The equipment should be provided with a warranty of 1-3 years.

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 the extent of compliance with our requirement 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 be FOB (specify city) or FCA terms.

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

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