

Indian Institute of Technology Kanpur

CENTRE FOR NANOSCIENCES

Tender No: CNS/2017-18/12	Tender date: 27-02-18	Tender Closing Date: 31-03-18
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Centre for Nanosciences, IIT Kanpur invites sealed quotations in two bid system for a the purchase of CCD camera. The instrument must have below mentioned specifications:

Active Pixels	2048 x 2048 Minimum
Sensor type	Monochrome(sCMOS/CCD)
Sensor Size	13.3 x 13.3 mm Minimum
Pixel Size	6.5 μm or less
weight	Less than 500gram
frame rate	100 fps @ full frame (USB)
Minimum Quantum Efficiency	50% IN 300nm-700nm range
Dark current, e-/pixel/sec @ 0°C	0.10
Memory	16 GB
Pixel well depth	30,000
Maximum dynamic range	33,000:1
Linearity	> 99.8% (> 99.9% for low light range)
Photon Response Non-Uniformity (PRNU)	< 0.1%
Shutter	Rolling Shutter /Electronic global shutter, expected in the range micro to milliseconds
Data range	12 bit (fastest frame rates) and 16 bit (max dynamic range)
Interface options	USB

Note: Camera must support features like auto save, multiple frame /video saving at high speed and must have good video quality and stability.

Accessories Required: Camera lens to view close object (approx. 20 cm away) and be able to resolve micrometer size objects.

Terms & Conditions:

1. Cost of the items including relevant accessories with technical specification should be mentioned in detail.
2. Offer should be made on FOR IIT Kanpur basis.
3. Your quotation shall contain Authorization Letter from manufacturer.
4. The vendor/supplier/manufacturer should provide user list of same/similar model installed in any Academic/Government institution or Research lab in last one year.
5. Kindly enclose Catalogue and Photographs of quoted model with complete technical specifications.
6. Our standard payment term & condition is 90% against delivery and 10% after inspection and approval.
7. Warranty: One year.
8. Quotation Validity: 90 days
9. Delivery period: within 4 weeks from the date of purchase order.
10. Kindly send technical and financial bid separately in sealed envelopes.

Kindly send sealed quotations on following address on or before the closing date till 5PM:

The Coordinator
Centre for Nanosciences
Northern Lab-II Extension
Indian Institute of Technology Kanpur
Kanpur 208016 INDIA