

DEPARTMENT OF BIOTECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY – MADRAS, CHENNAI – 600 036
Telephone: 044-2257-4107, 4101: Fax No: 2257-4102

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D.KARUNAGARAN
Professor and Head

Date :23rd Dec 2014

Ref: BT/SMAH/2014/024/SPL

Date: 23rd Dec 2014

Due date: 08th Jan 2015

1. Quotations are invited in duplicate for the various items shown below/overleaf/ enclosed list.
2. The quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above
3. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS & D Rate Contract, Rate Contract Number and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the rate contract price. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers).
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for should be submitted free of charges and collected back at the supplier's expenses.
6. **Local Firms:** Quotations should be for free delivery to this Institute. If quotations are for Ex-Go down, delivery charges should be indicated separately.
7. **Firms outside Chennai:** Quotations should be for F.O.R Chennai. If F.O.R. Consigner stationer freight charges by passenger train/lorry transport must be indicated. If Ex-Go down, Packing, forwarding and freight charges must be indicated.
8. The rates of Sales/General Taxes and the percentage of such other taxes legally livable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales/General Taxes will be admitted at any stage and on any ground whatsoever. The taxes livable should take into consideration that we are entitled to have concessional sales tax applicable to non - government educational institutions run with no profit motive for which a Concession. Sales tax certificates will be issued at the time of final settlement of the bill.
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.

EMCCD camera for microscope

Specifications:

1. Should deliver up to 3x faster frame rates than closest competitors
2. Specialized acquisition mode for continuous imaging with fastest possible frame rate from ROI.
3. Should have extended QE response, beyond standard back-illuminated.
4. It should have the highly flexible optimization for different application requirements at the click of a button.
5. Quantitatively capture and view data in electrons or incident photons. Applied either in real time or post-processing, Count Convert does this important conversion for you.
6. Absolute EMCCD gain selectable directly from a linear and quantitative scale.
7. Essential for quantitative accuracy of dynamic measurements.
8. Unique pixel clocking parameters, yielding minimized spurious noise floor.
9. Critical for sustained vacuum integrity and to maintain unequalled cooling and QE performance, year after year.
10. Intelligent algorithms to filter clock induced charge events from the background. Real time or post-processing.
11. Unique innovation that empowers to operate with market-leading acquisition efficiency through 3rd party live cell microscopy software.
12. Intuitive single photon counting modes to overcome multiplicative noise. Real time or post-processing.
13. EMCCD for ultra-sensitivity at speed, conventional CCD for longer acquisitions. CCD mode with ultra-low 3 e- noise.
14. Unique Camera Link output port to facilitate direct access to raw data for on the fly processing, ideal for applications such as adaptive optics.
15. Warranty: 3 years