



DEPARTMENT OF ENGINEERING DESIGN
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI - 600036

Phone: +91 - 44 - 2257 4745, Fax: +91 - 44 - 2257 4732

Reference No:

Date: October 15th 2013

ED	004	2013-14	SPI
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Dear Sir,

We are interested in the import of the items shown/overleaf/as per list enclosed.

CCD based camera to be used for pre-clinical in-vivo fluorescence imaging.

Specifications:

Item: CCD camera and control software.

Array: 1024x1024 pixel array, pixel size 10 microns or greater.

Sensor Type: Back illuminated full frame CCD.

QE: High QE (>60%) in the 500-800 nm range.

Exposure: 30 millisecs-15 minutes.

Cooling: Thermoelectric cooling to at least 40 degrees Celsius below ambient, controllable by software.

Software: Software modules to control various camera parameters like exposure, shutter.

Shutter: Mechanical shutter (Typical 35 mm, 43 mm).

Trigger: Remote triggering.

Read noise: less than 12e- rms.

Dark noise: Typical 0.3 e-/pix/s at -20C

Pixel binning: At least 4x4.

Temperature stability: 0.1 degrees C.

Interface: USB.

Max Readout rate: At least 4 MhZ.

Mounting: C-mount

Digital Resolution: 12 bits or higher

Kindly arrange to send your quotation, in duplicate indicating **CIF (Chennai)** value of supply of the above items by Air Parcel/Air Freight/Ocean Freight, together with the illustrated literature of the items offered.



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As per the current Exchange Control Regulations, the agency commission, is payable only in Rupees. You are, therefore, requested to clearly indicate the amount of agency commission, included in the price, to enable us to deduct any pay the same to your Agents in Rupees on receipt of equipment in good condition. Also please indicate the validity period (normally for three months) and the **warranty terms**. It may please be noted that the letter of credit will be opened for Nett. CIF value only, after deducting the commission.

The due date for receiving the quotation is 16th November, 2013. The quotation (**duly signed hard-copy**) should be sent to the following address.

Address:

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Sd/-
(Dr. Ganapathy Krishnamurthi)