



Telephone :

EN

Indian Institute of Technology Madras

I.I.T. P.O., CHENNAI - 600 036.

Ref. No.

ME 2014 HSPC 0014 SPL

Date :

3/2/15

Dear Sirs,

O/C

DUE DATE :

20/2/15

1. Quotations are invited in duplicate for the various items shown below / overleaf / enclosed list.
2. The Quotations duly sealed and superscribed 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-Godown, delivery charges should be indicated separately.
7. Firms Outside Chennai : Quotations should be for F.O.R. Chennai. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If-Ex-Godown, packing, forwarding and freight charges must be indicated.
8. The rate of Sales / General Taxes and the percentage of such other taxes legally leviable 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 leviable 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.

Details as per enclosed list.

Yours faithfully

HEAD OF THE DEPT. /
PROJECT CO-ORDINATOR

MECH. ENGG
IITM, CHENNAI-36

*Strike out whichever is not applicable.

HIGH SPEED DIGITAL CAMERA AND ACCESSORIES

SPECIFICATIONS

Camera type: Gray scale CMOS camera

Sensor: 12 bit CMOS with 10-20 micron size per pixel

Image resolution (pixel): Full resolution of 1.3 Megapixel or higher at a frame rate of 4000 frames per second or higher

Aspect ratio: Minimum of 1000 pixel along horizontal and vertical dimensions

Grayscale resolution: 12 bit gray scale resolution

Data connection: Gigabit ethernet

Sensitivity: Monochrome – ISO 10000 or higher

Shutter speed: Global electronic shutter variable down to 1 microsecond

Recording: Manual and external trigger

Recording modes: Start, End, Center, Manual

Operating system: Windows 7 and newer, Software to control the system and view images

External synchronization: TTL pulses to synchronize strobes

Phase locking: Camera should permit phase locking to an external source

Saved image formats: BMP, TIFF, JPEG, AVI, RAW

Segmented Memory: At least 16 memory segments for multiple recordings in memory

Memory: 4 GB or higher

Lens mount: C or F/G Mount (F/G mount adapter should be included for C-mount cameras)

Operating temperature: up to 40 degrees C

Power requirements: should be able to work with 220 V AC power supply

Weight: Preferably less than 5 kg

Warranty: 1 year

Each quotation of camera should also include a catalogue, containing technical specification of the camera offered, failing which the offer is liable to be rejected. Also, include the offer for provision of extendable memory (8 GB, 16 GB) and extendable warranty for 2 and 3 years.

Accessories:

Accessories should include details and pricing information (if applicable) of the following items:

Heavy-duty tripod for the camera

Transit/storage case for camera

105 mm f/2.8 Macro lens

