

DEPARTMENT OF CHEMICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY - DELHI
HAUZ KHAS, NEW DELHI - 110016

Dated: 14/05/2012

NOTICE INVITING QUOTATIONS

Sub: Complete System High Speed Long Time Recording Camera

Sealed quotations in separate envelopes of technical and commercial bid kept in a one sealed outer envelope are invited for purchase of a **Complete System High Speed Long Time Recording Camera** as per specifications given below. Your sealed quotation should reach latest by 5 PM on 31 May, 2012 to **Prof. S. Basu, Department of Chemical Engineering, Indian Institute of Technology Delhi (IIT Delhi), Hauz Khas, New Delhi - 110016**. Your quotation should be superscribed "**Quotation for High Speed Long Time Recording Camera due on 31 May 2012**".

Minimum Specifications: Complete System High Speed Long Time Recording Camera

Mobile use with a compact system housing of 44x 35 x 24 cm (incl. Display, Keyboard, Mouse)

Recording time: 55 minutes recording time at 250 fps at 1280 x 1024
alternative 55 minutes recording time at 868 fps at 1280 x 1024 QUAD mode
alternative 16 hour recording time at VGA resolution

Maximum photo sensitivity: 2,500 ASA monochrome; 2,000 ASA RGB

Step less adjustable frame rate up to 35,000 frames per second at reduced resolution

Lossless recording without compression

Windows® 7 based Director2 operator software

Image storage in BMP, JPG, TIFF, AVI, DNG, PNG and DAT file format

Quad Mode: 4 x speed or recording time

The operator software allows user defined adjusting of window size and frame rate.

The required ROI can be defined by using the mouse. At the same time the system indicates the maximum resulting frame rate.

Different, user defined camera settings can be stored. The software must allow cutting and converting of the recorded images.

SW must have **triggered recording with history function**.

The system must have **ring buffer** allowing buffering of triggered events up to 55 minutes at full resolution and speed. The history function must allow pre and post event recording through free selection of frames or recording time. Must also have function triggering via external signal.

The camera must have **Dynamic Range Adjustment feature for non-linear curve**.

SW must be able to **set marker in each frame**.

The system must have **ImageBLITZ Automatic Trigger**.

Camera Specification Pixel Size 14 x 14 μ m

Resolution 1280 x 1024

Sensor speed internally 506 fps at full resolution.

Terms & Conditions:

1. The quotations must have validity of at least three months.
2. Quotation must include insurance and air-freight charges, delivery period of the items addresses to The Indian Institute of Technology, Delhi, India (CIF, New Delhi).
3. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.
4. Detailed Brochures should accompany the offer.
5. If the bidder is an authorized dealer then the authorized Indian dealership certificate from the principles should be enclosed.
6. 2 years warranty desirable.
7. Payment will be through irrevocable letter of Credit.
8. In case the items are proprietary products of the company, a proprietary item certificate stating the same must be provided.
9. Training should be provided free of cost.
10. List of End user should be provided.
11. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.

Chairman, PFC