

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Department of Chemical Engineering

Quotations invited

Date: **28-02-2017**

Enquiry Number: **IITK/CHE/VS/17/04**

Closing Date: **15-03-2017**

From:

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Sealed Quotations are invited for the supply of **High Speed Camera** as per the following specifications:

Quotations may be sent by **post/courier/email (for foreign suppliers)**

to the above mentioned address. The details of the requirement are mentioned below.

Quantity: **1(ONE)**

High Speed Camera for PIV (To be mounted on microscope OLYMPUS)

SPECIFICATIONS:

Resolution: **4 MP or higher.**

Frame rate at maximum resolution: **700 fps or higher (With the option of higher fps at lower resolution)**

Minimum Inter-frame time for PIV use: **Preferably of the order of 1 micro seconds or lower.**

Mounting: **C mount with F adapter included.**

Sensor: **Monochrome.**

Operating Temperature: **-5°C to 50°C.**

Minimum Exposure Time: **1 micro seconds.**

Image Capture and analysis: **Windows supported software for capturing and processing images, all accessories for transferring data/images from camera to PC.**

Memory: **8 GB or higher.**

Pixel size: **7 micron * 7 micron or less.**

Bit depth: **12 bit or higher.**

Warranty: **2 years or higher.**

Triggering options: **TTL.**

Switch buffer with software trigger.

Circular buffer with software trigger.

Synchronization: **Phase lock TTL.**

Quantum efficiency: **More than or equal to 50%.**

Terms and conditions

1. Only authorized vendors may quote. Your quotation shall contain Authorization letter from manufacturer.
2. Maximum Academic/Educational discounts should be applied.
3. Validity of quotation should be at least for 30 days.
4. The Rate offered should be free delivery and proper Installation in IIT Kanpur.
5. Institute is exempted for payment of Excise Duty under notification.
6. Normal payment terms for the Institute will be applicable, 90% on delivery of the items and the remaining 10% after satisfactory installation/ inspection.
7. The delivery period should be specifically stated. Earlier delivery may be preferred.
8. The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment. If supply is not completed within stipulated period.
9. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
10. Please clearly mention the product warranty (**with 2 years or higher**) details.

11. Institute is exempted for partial custom duty (C D applicable to IIT Kanpur is **5.15%**).

Prof V. Shankar
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