

**INDIAN INSTITUTE OF TECHNOLOGY DELHI  
HAUZ KHAS, NEW DELHI-110016**

**Ref.No.: IITD/PHY/JJ/RP-2501/CCD**

**Date: 23/10/2012**

**NOTICE INVITING QUOTATIONS**

**Item Name: High resolution monochrome CCD camera**  
**DUE DATE: 12/11/2012**

Quotations are invited for the purchase of a High resolution monochrome CCD camera as per the specifications given below. **Quotations** (technical and financial bids in separate envelopes) plus **additional details**, should reach by **5 PM** on **12/11/2012**.

Name of the Item with Specifications	Quantity
<b>1. High resolution monochrome CCD camera</b>	<b>01</b>
<b>Specifications:</b>	
Total pixels	: $\geq 2048 \times 2048$ Pixels
Sensor size	: $\sim 16\text{mm} \times 16\text{mm}$
Pixel size	: H: 6 to 8 $\mu\text{m}$ , V: 6 to 8 $\mu\text{m}$
Color/Monochrome	: Monochrome
ADC	: 16 bit or better
Well Depth	: $\geq 40000$ electrons
Dark current	: 0.01 electrons per sec at -20 degree C
Quantum Efficiency	: $\geq 50\%$ for 425nm-525nm& $\geq 40\%$ for 390nm-425nm&525nm-600nm
Interface	: USB 2.0
Maximum exposure	: Infinite
Minimum exposure	: 1/1000 sec
CCD to front of camera distance	: 18 to 20 mm
Anti-blooming	: $\geq 1000 \times$
Cooling	: Thermoelectric $\Delta T \sim -30^{\circ}\text{C}$
Software	: For image capture in JPG, TIFF, RAW and other common formats
USB& Power cable length	: $> 1.5\text{ m}$
Power source	: Power source should be provided.

**Additional Details (without these, quotations will be rejected):**

1. Furnish brochure cum data sheets for the above specifications from the original manufacturer.
2. Furnish a list of recent customers (Indian or foreign) (Address, Email & Phone No.) where the specific product (USB Monochrome High Resolution CCD Camera) has been supplied.

## TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS

1. **CUSTOM DUTY:** IIT Delhi is exempted from paying custom duty under notification No.51/96 (Partially or fully) and necessary “Custom Duty Exemption Certificate” can be issued after providing following information.
  - a) Shipping details i.e. Master Airway Bill No. And House Airway No. ( if exists)
  - b) Forwarder details i.e. Name, Contact No. etc.Custom Duty Exemption Certificate will be issued to the shipment in the name of the institute and Bills of Entry should be submitted to IIT Delhi later on.
2. **BIDDING:** Either the Indian agent on behalf of the Principal/ OEM or Principal/ OEM itself can bid. But both can not bid simultaneously for the same item/ product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/ OEM in the same tender for the same item/ product.
3. **EXCISE DUTY:** IIT Delhi is exempted from paying excise duty and necessary Excise Duty Exemption Certificate will be provided for which following information is required.
  - a) Quotations with details of Basic Price, Rates & amount on which ED is applicable
4. **PRICING:** Quote total in **F.O.B.** price.
5. **TERMS OF PAYMENT:** Letter of credit (90% payment against shipping documents and balance 10% after satisfactory installation) OR Payment against delivery (Wire Transfer after receipt of item).
6. **VALIDITY OF QUOTATIONS:** Quotations should be valid at least for a period of 90 days.
7. **WARRANTY:** Three years comprehensive warranty be provided and AMC price beyond 3 years should be mentioned separately.
8. **DEALERSHIP CERTIFICATE:** Letter from manufacturer to be attached for authenticity of dealership/agency. Quotations without authorized dealership certificate will be rejected.
9. **PROPRIETARY CERTIFICATE:** If the items are proprietary in nature, furnish a copy of the certificate
10. **COMPLIANCE STATEMENT:** Please include a statement of compliance of all the above specifications
11. **INSTITUTE’S RIGHTS:** IIT Delhi reserves the rights of acceptance or rejection of any or all quotations.
12. **REJECTION:** Quotations not conforming to the set procedure as above will be rejected.
13. **DISCOUNT/REBATES:** Special discount/rebate wherever admissible keeping in view that the supply is being provided for the educational purpose in respect of public institution of national importance may please be indicated.
14. **SUBMISSION OF QUOTATIONS:** Quotations should be sent in a sealed cover marked at the top **ITEM NAME AND DUE DATE.**

**The technical and financial bids should be sealed in separate envelopes before putting them together in the sealed cover. (Please note that ALL of the above specifications and additional details must be fully met in the technical bid).**

Quotations should be sent to:

**Prof. Joby Joseph  
Department of Physics,  
Indian Institute of Technology Delhi, Hauz Khas  
New Delhi-110016,  
India**