

Tender Notification for the procurement of "*EMCCD camera for fluorescence microscopy*"

(Last Date for submission of tenders: 16 November, 2016)

Ref: PH/PRSH/418/2016-17

7 November, 2016

Dear Sir/Madam,

Kindly send your best quotation for the following item with various accessories on C.I.P. Bangalore basis to the undersigned. Your quotation should clearly indicate the terms of delivery, delivery schedule, entry tax payment terms etc. The tender should be submitted in one sealed envelope- containing the technical specifications and the prices, which should reach the undersigned, duly signed on or before 17:00 Hrs, 16 November, 2016. Please use the enquiry number PH/PRSH/418/2016-17 in your quotation.

Please enclose a compliance certificate along with the technical bid.

Specifications of the EMCCD camera are as follows:

1. Sensor Type: Back illuminated, AR coated
2. Active pixels: 1024X1024 or higher
3. Pixel size: 13 x 13 μm or lower
4. Pixel Readout rate (MHz): 30, 10 for electron multiplying amplifier; 1 for conventional amplifier
5. Read Noise: $<1 e^-$ with EM gain
6. Minimum Sensor Temperature: -80^0C or lower with air cooling in 10MHz readout mode
7. Dark Current in $e^-/\text{pixel}/\text{sec}$ @ -80^0C : 0.00025 or lower
8. Maximum frame rate (Sustained): 26 fps at full resolution or higher
9. Full well capacity: $>80000 e^-$ single pixel
10. Digital Output: 16 bit, 14 bit
11. Supported Binning Modes: 1x1, 2x2
12. Lens mount: C-mount
13. Digital Interface: IEEE-1394a or USB or CameraLink.
14. Quantum Efficiency: 90% at 550nm or higher
15. Software: The camera should be controlled for full functions through open source software like micromanager/ Fiji/Image J.
16. Compatibility: with operating system Windows 7

Terms and conditions:

1. The above mentioned technical specifications are highly desired. However, lower technical specifications may be considered if the above mentioned specifications are found to be unsuitable in financial terms. The Institute reserves the right to go for lower specifications taking into consideration its financial constraints and technical preferences.
2. The vendor should have a good track record of having previously supplied similar equipment in India (please furnish the details).
3. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
4. The payment will be through wire transfer.
5. The lead time for the delivery of the equipment should not be more than 3 months from the date of receipt of purchase order.
6. The validity period of the quotation should be 90 days.

Yours Sincerely,

Dr. Prerna Sharma, Dept. of Physics, IISc.