



August 27, 2013

Enquiry No : IITK/CHM/DG/13-14/24

Enquiry Date: August 27, 2013

Last Date: 6th September, 2013

Subject: Request for Quotation for ‘Equipments for Optical Tweezer & Microscope’

Dear Sir,

Please send sealed Quotation(s) with all technical details of:

Serial No.	Name	Quantity	Specification
1	Quadrant Cell Photo receiver, Silicon	2	<ul style="list-style-type: none"> ➤ Wavelength Range 190-1050 nm ➤ Sensor Size 3 x 3 mm ➤ Analog Output ➤ Analog Output X, Y, SUM ➤ Optical Input Free Space ➤ Bandwidth (-3 dB) 100 kHz ➤ Metric/Imperial Compatibility
2	Power Supply for Quadrant Cell Photo receiver	2	<ul style="list-style-type: none"> ➤ Power Supply Compatible with Quadrant Cell Photo Receiver
3	Accessory Cable, Pico (m8)	2	<ul style="list-style-type: none"> ➤ Cable Length 1 m ➤ Double-Ended ➤ Male to Male, 1 m ➤ Compatible with Quadrant Cell Photo Receiver
4	High Reflecting Ultrafast Pump Mirror,	2	<ul style="list-style-type: none"> ➤ Metric/Imperial Compatibility Universal ➤ Mirror Shape Round ➤ Wavelength Range 710 to 890 nm ➤ Diameter 0.5 in. (12.7 mm) ➤ Thickness 0.38 in. (9.65 mm) ➤ Material Grade A BK7 ➤ Coating Type Broadband special coating for ultrafast pulses ➤ Surface Quality 15-5 scratch-dig ➤ Clear Aperture \geqcentral 80% of diameter



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Department of Chemistry & Centre for Lasers & Photonics

Dr. Debabrata Goswami, Professor

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			<ul style="list-style-type: none"> ➤ Reflectivity Rp >99% @ 710–890 nm; Rp >99% @ 430–700 nm ➤ Angle of Incidence 0–15° ➤ Surface Flatness $\leq \lambda/10$ at 632.8 nm over the clear aperture ➤ R FLAT ➤ Wedge 30 ±15 arc min ➤ Coating (First surface) 710-890 nm Rp >99%; ➤ 488–532 nm Ts, Tp >95% Coating (Second surface) 430-700 nm (AR.14) Multilayer ➤ Antireflection ➤ Compatible with KM Labs Oscillator
5	Dual ND Filter Wheel, Twelve ND Filters Included	1	<ul style="list-style-type: none"> ➤ Metric/Imperial Compatibility Universal ➤ Clear Aperture 0.95 in. (24.1 mm) ➤ Thread Type 8-32 (M4) Thru ➤ Compatible with KM Labs Oscillator
6	IR Viewer	1	<ul style="list-style-type: none"> ➤ Type IR Viewer ➤ Field of View (1x lens) 40 °, (2.5x lens) 18 ° ➤ Magnification 1X or 2.5X ➤ Focus Range 0.15 to Infinity, 0.25 to Infinity ➤ Dimensions 8.66 x 3.07 x 2.17 in. ➤ Battery powered
7	Laser Safety Glasses	1	<ul style="list-style-type: none"> ➤ Type Laser Safety Eyewear ➤ Laser Type Argon & 532 nm ➤ Frame Style LGF Full View ➤ Optical Density OD 7 @ 190–532 nm ➤ OD 5 @ 10.6 μm ➤ Metric/Imperial Compatibility Universal ➤ Filter Color Orange ➤ VLT 50% ➤ EN207 180-315 DL7 + IRL4 ➤ 315-532 DIR L6



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8	IR Sensor Card	1	<ul style="list-style-type: none"> ➤ Type IR Sensor Card ➤ Wavelength Range 700-1600 nm ➤ Minimum Detectable Power 3 $\mu\text{W}/\text{cm}^2$ ➤ Metric/Imperial Compatibility Universal ➤ Max power density 700 mW/cm² ➤ Sensor Size 1 x 1.5 in. (25.4x 38.1 mm) ➤ Dimensions 1.33 x 3.7 in.
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Please send your technical and commercial offer on or before 6th September, 2013, to the following address:

Prof. D. Goswami
Department of Chemistry
Centre for Lasers & Photonics

IIT Kanpur
Kanpur- 208016
India

Thanking you,

Regards,

Dr. D. Goswami
Professor
Dept. of Chemistry
IIT Kanpur