

Indian Institute of Technology, Kanpur  
Department of Aerospace Engineering

Inquiry no: AE/ACM/2015/OPT

Date of Opening: March 18, 2015

Date of Closing: March 30, 2015

Subject: Quotation for supply of **Half wave plate, Polarizing filter, Polarizer mount, Plano Concave Cylindrical Lens and Fixed Filter Mount** as per the following specifications.

Quotation for **one Half wave plate, four Polarizing filters and one Polarizer mount, one Plano Concave Cylindrical Lens and one Fixed Filter Mount**, including the specifications mentioned below is requested in a sealed envelope. The quotation should reach on or before March 30, 2015 to the address given below.

**Specifications:**

<b><u>1.Half wave plate</u></b>	1 no
Type	Achromatic Wave plate
Diameter (mm)	30.0
Thickness (mm)	6.0
Substrate	Crystal Quartz and MgF <sub>2</sub>
Wavelength Range (nm)	465 - 610
Retardance	$\frac{1}{2}\lambda$
Retardance Tolerance ( $\lambda$ )	$\leq 1/100$
Damage Threshold, CW (kW/cm <sup>2</sup> )	500
Coating Specification	R <sub>avg</sub> <1% @ 465 - 610 nm

<b><u>2.Linear Polarizing filter</u></b>	4 nos
Diameter (mm)	70.0
Filter Thread	M67 x 0.75
Polarization	95% Efficiency
Transmission (%)	Single:30 Crossed: 0.15
Wavelength Range (nm)	400 - 700
Construction	Dichroic
Type	Linear Polarizer
Substrate	Float Glass

<b><u>3.Polarizer mount</u></b>	1 no
Diameter of Compatible Optics (mm)	30mm
Thickness of Compatible Optics (mm)	6mm
Increments	1°
Mounting Threads	M6 x 1.0

<b><u>4.Plano Concave Cylindrical Lens</u></b>	1 no
Dimensions (mm)	25mm x 50mm
Focal Length (mm)	30 mm
Wavelength Range (μm)	0.4 to 2.5 μm
Radius R1 (mm)	-23.54 mm
Coating	Uncoated
Substrate	N-SF11

<b><u>5.Fixed Filter Mount</u></b>	1 no
Size of Compatible Optics (mm)	40 mm x 40 mm
Mounting Threads	M6 x 1.0

Please note that prices should include all other additional charges, i.e. freight, insurance etc. Maximum educational discount should be shown explicitly in the quotation. Warranty must be minimum for a period of one year.

PLEASE NOTE: A copy of authorization letter is to be submitted from OEM.

Address for the quotation:

Dr. A. C. Mandal

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