

List of required consumable items

Reference: CSIO/2024-25/SSP0060/552

Deadline for quotation submission: 23 / 09 / 2024 (11.00 Hr)

Quotations are invited for the listed items given below. Kindly send the quotations either by e-mail: manoj.bhuyan@csio.res.in (with copy to vijaykumar@csio.res.in and baljit.singh@csio.res.in)

or by post to the following address: **Director, CSIR-Central Scientific Instruments Organisation, Sector 30 C, Chandigarh – 160030 (kind attention: Dr. Manoj Kumar Bhuyan)**

Sr. No.	Item details	Quantity	Total quantities
1	(i) Shortpass Filter (Dichroic Shortpass Filter, 850 nm cut-off wavelength, 25 mm Diameter)	2	3
	(ii) Shortpass Filter (Dichroic Shortpass Filter, 650 nm cut-off wavelength, 25 mm Diameter)	1	
2	Fiber Laser mirror (99 % or more reflectivity at 1030-1090 nm wavelength, Fused silica substrate, 20 J/cm ² or more damage threshold, 25 mm diameter)	2	2
3	Fluorescence Filter (530 nm center wavelength, 55 nm Bandwidth, OD 6 Fluorescence Filter, 25 mm diameter)	1	1
4	Second harmonic crystal (1064 nm wavelength, Type I LBO nonlinear crystal, 10 J/cm ² or more damage threshold, 3mm X 3mm X 10mm)	1	1
5	Harmonic separator (1064 nm transmission wavelength, 532 nm reflection wavelength, Fused silica substrate, 7 J/cm ² or more damage threshold, 25.4 mm diameter)	1	1
6	Half wave plate (Zero-order, 532 nm wavelength, 12.7 mm diameter, Quartz substrate)	1	1
7	Quarter wave plate (Zero Order, 532 nm wavelength, 12.7 mm diameter, $\lambda/4$ Quartz Waveplate)	1	1
8	Linear Polarizer (532 nm wavelength, 12.5 mm Diameter, Thin Film Laser Line Polarizer)	1	1
9	Circular Polarizer (Left-Handed Uncoated Glass Circular Polarizer, 25 mm diameter)	1	1
10	(i) Lens (Plano-Convex Lens, 25 mm Diameter, 150 mm Focal Length, VIS-NIR Coated)	1	

	(ii) Lens (Plano-Convex Lens, 25 mm Diameter, 175 mm Focal Length, VIS-NIR Coated)	1	8
	(iii) Lens (Plano-Convex Lens, 25 mm Diameter, 200 mm Focal Length, VIS-NIR Coated)	2	
	(iv) Lens (Plano-Convex Lens, 25 mm Diameter, 300 mm Focal Length, VIS-NIR Coated)	1	
	(v) Lens (Plano-Convex Lens, 25 mm Diameter, 400 mm Focal Length, VIS-NIR Coated)	1	
	(vi) Lens (Plano-Concave Lens, 25 mm Diameter, -50 mm Focal Length, VIS-NIR Coated)	1	
	(vii) Lens (Plano-Convex Lens, 75 mm Diameter, 250 mm Focal Length, Uncoated)	1	
11	Axicon (2.0° base angle, Uncoated UV Fused silica substrate, 12.7 mm diameter, Threaded Mount)	1	
12	Beamsplitter Cube (High power Polarizing Beamsplitter Cube, 30 mm Cage-Cube-Mounted, 10 ns laser, 1064 nm wavelength, damage threshold ≥ 10 J/cm ² , M4 Tap)	1	1
13	(i) Neutral density filter (Absorptive type ND Filter, Glass substrate, 25 mm Diameter, visible range, Optical density of 1.0)	1	7
	(ii) Neutral density filter (Absorptive type ND Filter, Glass substrate, 25 mm Diameter, visible range, Optical density of 2.0)	1	
	(iii) Neutral density filter (Absorptive type ND Filter, Glass substrate, 25 mm Diameter, visible range, Optical density of 3.0)	1	
	(iv) Neutral density filter (Reflective type ND Filter, Glass substrate, 25 mm Diameter, visible range, Optical density of 1.0)	1	
	(v) Neutral density filter (Reflective type ND Filter, Glass substrate, 25 mm Diameter, visible range, Optical density of 2.0)	1	
	(vi) Neutral density filter (Reflective type ND Filter, Glass substrate, 25 mm Diameter, NIR range, Optical density of 0.3)	1	
	(vii) Neutral density filter (Reflective type ND Filter, Glass substrate, 25 mm Diameter, Visible-NIR range, Optical density of 0.5)	1	
14	(i) Lens Tube (Extension tube, 10 mm length, 30 mm outer diameter)	4	8
	(ii) Lens Tube (Extension tube, 50 mm length, 30 mm outer diameter)	4	