



DEPARTMENT OF APPLIED OPTICS AND PHOTONICS

University of Calcutta

Tender No.: AOP/OL/KB-1/2025

Dated: 29/07/2025

Quotations in sealed envelopes are invited from reputed parties for supply of the following optical components as specified below, for the Optics laboratory of the Department.

Sl.no.	Item	No. of items	Specifications
1.	Front surface mirrors	2	Dimensions (mm): 75.0 x 75.0 Dimensional Tolerance (mm): ± 0.25 Back Surface: Commercial Polish Clear Aperture (%): 85 Edges: Fine Ground Thickness (mm): 12.00 ± 0.25 Length (mm): 75.00 Width (mm): 75.00 Surface Flatness (P-V): $\lambda/4$ Surface Quality: 60-40 Coating Specification: $R_{avg} > 98\%$ @ 450 - 2000nm, $R_{avg} > 98\%$ @ 2000 - 10,000nm Coating: Protected Silver (450-10000nm) Wavelength Range (μm): 0.45 - 10 Damage Threshold, Reference: 0.5 J/cm^2 @ 532nm & 1064nm, 10ns
2.	Plate Beam Splitter	1	Beam splitter type: Plate Wavelength range: visible Diameter (mm): 50.00 Dimensional Tolerance (mm): ± 0.10 Edges: Protective Bevel as needed Thickness (mm): 3.00 Thickness Tolerance (mm): ± 0.20 Wedge Angle (arcmin): 30 arcmin Coating Specification: Surface 1: 50/50 $\pm 5\%$ @ 550nm, $\pm 10\%$ @ 400 - 700nm Surface 2: AR $R_{avg} \leq 1\%$, $R_{abs} \leq 2\%$ @ 400 - 700nm Reflection/Transmission Ratio (R/T): 50/50 Substrate: Fused Silica

			Surface Flatness (P-V): $\lambda/10$ Surface Quality: 20-10 Wavelength Range (nm): 400 - 700
3.	Prism	1	Length of Face (mm): 35.00 Length (mm): 35.00 Dimensional Tolerance (mm): ± 0.1 Coating: Uncoated Substrate: N-SF11 Surface Quality: 40-20 Angle Tolerance (arcmin): ± 2 Wavelength Range (nm): 400 - 2500 Power (fringes) @ 632.8nm: 2.50 Irregularity (fringes) @ 632.8nm: 0.50 RoHS Compliant

Complete quotation with necessary documents (like PAN, GST Certificate, Trade License, etc) should be reach the following address:

Head, Department of Applied Optics & Photonics Technology Campus, JD-2, Sector -III, Salt Lake, Kolkata-700 106

on or before **August 15, 2025.**