

Indian Institute of Technology, Kanpur
Department of Physics

Enquiry no.: IITK/PHY/SG/105

Enquiry date: 20/1/2017

Closing date: 6/2/2017

- Sealed quotations are invited for multiple optical and fiber components as stated below. All parts corresponding to the quotations should be from a single company for compatibility and maintenance. Any compliance claimed should be supported with necessary data sheet.

A tender for same parts was floated earlier, with enquiry no.-IITK/PHY/SG/101 from the enquiry date: 8/11/2016 to the closing date: 29/11/2016 and floated again from 30/12/2016 till 10/1/2017. Unfortunately, none of the participant satisfied the requirement of a single company quote, quoting for all parts or price budget.

We therefore request all participating vendors to follow the instructions and try to provide discounts, in the light of the fact that we are an educational institute and the instruments to be purchased are for research purpose only.

S.NO	PRODUCT & SPECIFICATIONS:	SPECIFICATIONS	QUANTITY
1.	Broadband Dielectric Mirror	<ul style="list-style-type: none"> • Diameter : Ø1" • Wavelength range : 750-1100 nm 	20
2.	Broadband Dielectric Mirror	<ul style="list-style-type: none"> • Diameter : Ø1/2" • Wavelength range : 750-1100 nm 	16
3.	Lens Mount	<ul style="list-style-type: none"> • M4 Tapped Hole for Mounting • Includes internal SM thread • For Ø1" optics • With retaining ring 	20
4.	Fiber Adapter Plate	<ul style="list-style-type: none"> • Unthreaded • Type of connector : FC/APC • Outer diameter of disc : Ø1" 	35
5.	Lens Cell Adapter	<ul style="list-style-type: none"> • External threading Dim.:1.035"-40 • 1.035"-40 to M9 x 0.5 Lens Cell Adapter 	35
6.	Spanner Wrench	<ul style="list-style-type: none"> • For SM1-Threaded Adapters • Length = 1" 	2
7.	Spanner Wrench	<ul style="list-style-type: none"> • M9 x 0.5 • Optics Housing Length = 1" 	2
8.	Lens tube	<ul style="list-style-type: none"> • Thread depth = 2" • Ø1" • With Retaining Ring 	5
9.	Threaded Retaining ring	<ul style="list-style-type: none"> • Stainless Steel • Threading Dim.:1.035"-40 	10

10.	Lens Tube	<ul style="list-style-type: none"> • Thread depth = 1" • Ø1" • With Retaining Ring 	35
11.	Lens Tube	<ul style="list-style-type: none"> • Thread depth = 0.5" • Ø1" • With Retaining Ring 	5
12.	Lens Cell Adapter	<ul style="list-style-type: none"> • External threading Dim.: 0.535"-40 • SM05 to M9 x 0.5 Lens Cell Adapter 	2
13.	Laser diode	<ul style="list-style-type: none"> • Wavelength=785nm • Power=90mW • Ø5.6mm 	8
14.	Laser diode	<ul style="list-style-type: none"> • Wavelength=785nm • Power=25mW • Ø5.6mm 	2
15.	Fabric Grounding Wrist Strap	<ul style="list-style-type: none"> • Adjustable Circumference • 6 ft Coiled Cord 	1
16.	Collimation Tube for Laser Diodes	<ul style="list-style-type: none"> • Collimation tube with optic for Ø5.6 Laser Diodes • AR coating= 650-1050nm • Focal length 6.24mm ,NA=0.40 	1
17.	Collimation Tube for Laser Diodes	<ul style="list-style-type: none"> • Collimation tube with optic for Ø5.6 Laser Diodes • AR coating= 650-1050nm • Focal length 4.51mm NA=0.54 	1
18.	Diffraction grating	<ul style="list-style-type: none"> • Visible Reflective Holographic Grating • Dimension= 25 mm x 25 mm x 6 mm • Grooves/mm= 1800/mm 	3
19.	Polarizing Beam-splitter Cube	<ul style="list-style-type: none"> • Cube size=1/2" x 1/2" x 1/2" • Wavelength range=620 – 1000nm 	5
20.	Mounted Multi-Order Quarter-Wave Plate	<ul style="list-style-type: none"> • AR coating= 780nm • diameter=Ø1/2" • Mount diameter=Ø1" 	3
21.	Mounted Multi-Order Half-Wave Plate	<ul style="list-style-type: none"> • AR coating= 780nm • diameter=Ø1/2" • Mounted diameter=Ø1" 	6
22.	Single Mode Patch Cable	<ul style="list-style-type: none"> • Operating wavelength=830 - 980 nm • Length= 5m 	4
23.	Single Mode Patch Cable	<ul style="list-style-type: none"> • Operating wavelength=830 - 980 nm • Length= 2m 	6
24.	Lens Tube	<ul style="list-style-type: none"> • Without External Threads • 2" long • With two Retaining Ring 	3
25.	Lens Tube	<ul style="list-style-type: none"> • Without External Threads • 3" long 	3

		<ul style="list-style-type: none"> • With two Retaining Ring 	
26.	Lens Tube	<ul style="list-style-type: none"> • Without External Threads • 1" long • With two Retaining Ring 	3
27.	Lens Tube	<ul style="list-style-type: none"> • Without External Threads • 1/2" long • With two Retaining Ring 	3
28.	Retaining Ring	<ul style="list-style-type: none"> • For Ø1" lens tubes and Mounts 10 Pack • Thread= SM1(1.035"-40) 	2
29.	Post-Mountable Ferrule Clamps	<ul style="list-style-type: none"> • Compatible component diameter= Ø2.5 mm • M4 Tap 	4
30.	VIS/IR Detector Card	<ul style="list-style-type: none"> • Wavelength Range:400 - 640 nm, 800 - 1700 nm • Active region dimension :1.25" × 2.1" (31.8 mm × 54 mm) 	1
31.	Mounted Geltech Aspheric lens	<ul style="list-style-type: none"> • Focal length 3.1 mm, • NA = 0.68 • AR: 650-1050nm 	2
32.	Mounted Geltech Aspheric lens	<ul style="list-style-type: none"> • Focal length 13.86 mm, • NA = 0.18 • AR: 650-1050nm 	16
33.	Polarizing Beam splitter Cube	<ul style="list-style-type: none"> • Wavelength:780 nm • Cube size:1" • Extinction Ratio: $T_p:T_s > 3000:1$ 	2
34.	Mounted Glan-Laser Polarizer	<ul style="list-style-type: none"> • 10 mm Clear aperture. • Coating: 650-1050 nm • Extinction Ratio $> 100,000:1$ 	4
35.	50:50 Non-Polarizing Beam splitter Cube	<ul style="list-style-type: none"> • Wavelength: 700-1100nm • Cube size:1/2"(12.7mm) 	6
36.	Multi-Order Quarter-Wave Plate	<ul style="list-style-type: none"> • Thread Mount, • Wavelength :780 nm • Diameter:1" 	8
37.	Patch Cable	<ul style="list-style-type: none"> • Polarization maintaining , FC/APC, • Operating wavelength $\approx 770-1100\text{nm}$ • Length:2 m • Panda Style • Single Mode 	10
38.	Patch Cable	<ul style="list-style-type: none"> • Polarizing maintaining , FC/APC, • Operating wavelength $\approx 770-1100\text{nm}$ • Length :5 m • Panda Style • Single Mode 	7

39.	Patch Cable	<ul style="list-style-type: none"> • Polarisation maintaining • AR-Coated FC/PC to Uncoated FC/APC • Operating wavelength $\approx 770 - 1050$ nm • Length: 2 m 	3
40.	Universal Fiber Connector Cleaner	<ul style="list-style-type: none"> • Lint-Free Cleaning Cloth with Rubber Pad to Prevent Scratching and Sliding Cover to Prevent Contamination • 20' Spool 	2
41.	Replacement Cleaning Reel	<ul style="list-style-type: none"> • Replacement Cleaning Reel for Universal Fiber Connector Cleaner • 20' spool 	6
42.	Ceramic Split Mating Sleeve	<ul style="list-style-type: none"> • Compatible with $\varnothing 1.25$ mm (LC/PC) Ferrules • Length ≈ 7mm 	2
43.	Ceramic Split Mating Sleeve	<ul style="list-style-type: none"> • Compatible with $\varnothing 2.5$ mm (FC/PC, ST/PC, or SC/PC) Ferrule • Length ≈ 11mm 	2
44.	FC/PC to FC/PC or FC/APC to FC/APC Mating Sleeve,	<ul style="list-style-type: none"> • Polarisation maintaining • Wide Precision Key (2.2 mm) • < 1.0 dB Insertion Loss 	2
45.	FC/APC to FC/APC Mating Sleeve	<ul style="list-style-type: none"> • Narrow Key (2.0 mm) • Square flange • < 0.5 dB Insertion Loss 	4
46.	FC/APC to FC/APC Mating Sleeve	<ul style="list-style-type: none"> • Narrow Key (2.0 mm) • D-Hole • < 0.5 dB Insertion Loss 	4
47.	ESD Protection and Strain Relief Cable	<ul style="list-style-type: none"> • Compatible with Pin Codes B and H, • laser diodes with forward voltages of 3.3 V • Includes Laser Socket and 3 Feet of Shielded Cable 	1
48.	ESD Protection and Strain Relief Cable	<ul style="list-style-type: none"> • Compatible with Pin Codes C and H • laser diodes with forward voltages of 3.3 V • Includes Laser Socket and 3 Feet of Shielded Cable 	2
49.	Iris	<ul style="list-style-type: none"> • Zero Minimum Aperture • $\varnothing 12.0$ mm Max Aperture • Mounted on 3" (75 mm) Long Post • metric 	2
50.	Mounted Rochester Aspheric Lens	<ul style="list-style-type: none"> • focal length 15.29 mm, • NA = 0.16 • AR: 650-1050nm 	11
51.	Beam Sampler	<ul style="list-style-type: none"> • Diameter = 1" 	6

		<ul style="list-style-type: none"> • Thickness = 5 mm • ARC =650 – 1050 nm 	
52.	Mirror Mount	<ul style="list-style-type: none"> • 45° Mirror Mount • for Ø1" Mirror • 	2
53.	Photodiode	<ul style="list-style-type: none"> • Si Photodiode, • 47 ps Rise Time • Wavelength range:400 - 1100 nm, • Ø0.25 mm Active Area 	1
54.	FC/APC Collimation Package	<ul style="list-style-type: none"> • Wavelength: 780 nm • N.A.= 0.25 • focal length ~ 36.01 mm • AR Coating = 650-1050nm 	4
55.	Lens tissue	<ul style="list-style-type: none"> • 25 Sheets per Booklet, • 50 Booklets in a Closeable Box 	1
56.	Mounted Geltech Aspheric lens	<ul style="list-style-type: none"> • Focal length 11 mm, • NA = 0.25, • AR: 650-1050nm 	2
57.	Mounted Rochester Aspheric Lens	<ul style="list-style-type: none"> • Focal length 8 mm, • NA = 0.5, • AR: 650-1050nm 	2
58.	Mounted Rochester Aspheric Lens	<ul style="list-style-type: none"> • Focal length 18.4 mm, • NA = 0.15, • AR: 650-1050nm 	2
59.	Mounted Geltech Aspheric lens	<ul style="list-style-type: none"> • Focal length 6.24 mm, • NA = 0.4, • AR: 650-1050nm 	2
60.	Fiber Adapter Plate	<ul style="list-style-type: none"> • FC/PC • with External SM1 (1.035"-40) Thread 	4
61.	Photodiode	<ul style="list-style-type: none"> • Si Photodiode, • 47 ps Rise Time • Wavelength range:400 - 1100 nm, • Ø0.25 mm Active Area • FC/PC Bulkhead 	1
62.	Bi-Concave Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 25.4 mm • Focal length = -50.0 mm • ARC = 650-1050 nm 	1
63.	Bi-Concave Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 25.4 mm • Focal length = -75.0 mm • ARC = 650-1050 nm 	1
64.	Plano-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 50.0 mm • ARC = 650-1050 nm 	1

65.	Plano-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 100.0 mm • ARC = 650-1050 nm 	1
66.	Plano-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 25.4 mm • ARC = 650-1050 nm 	1
67.	Plano-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 125.0 mm • ARC = 650-1050 nm 	1
68.	Bi-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 150.0 mm • ARC = 650-1050 nm 	1
69.	Bi-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 50.0 mm • ARC = 650-1050 nm 	1
70.	Bi-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 100.0 mm • ARC = 650-1050 nm 	1
71.	Bi-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 25.4 mm • ARC = 650-1050 nm 	1
72.	Bi-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 125.0 mm • ARC = 650-1050 nm 	1
73.	Plano-Concave Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = -75.0 mm • ARC = 650-1050 nm 	1
74.	Plano-Concave Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = -50.0 mm • ARC = 650-1050 nm 	1
75.	Plano-Convex Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = 150.0 mm • ARC = 650-1050 nm 	1
76.	Bi-Concave Lens	<ul style="list-style-type: none"> • Glass Type = N-BK7 • Lens Diameter = 1" • Focal length = -25.0 mm 	2

		<ul style="list-style-type: none"> • ARC = 650-1050 nm 	
77.	Free-Space Isolator	<ul style="list-style-type: none"> • Wavelength = 780 nm • Maximum Beam Diameter = 4.7 mm • Maximum Power = 1.7 W 	3
78.	Retaining ring	<ul style="list-style-type: none"> • for Ø1" Lens Tubes and Mounts • 10pack 	2

Quote should be made in two parts: Technical bid and financial bid separately in sealed envelopes.

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Financial bids for the product whose technical bid is not acceptable will not be opened. Any quote with the financial bid included in the technical bid will be summarily rejected.

The sealed envelopes with the quotes should be superscribed with the Inquiry number and whether it is a technical or financial bid.

The delivery period should be specifically stated.

Quotes should be made options for the either of the following delivery modes

- Ex-works for pickup by our world-wide transport provider
- FOB in country of origin
- CIF, New Delhi
- For delivery to IIT Kanpur

Maximum educational discounts should be applied – this equipment will be used for research as well as teach and train students.

Quotes should have a minimum validity of 60 days

Address the quotations to:

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