

		Standard Base Clamps	20
	ix.	Posts 20 mm 30 mm 40mm 50mm 75mm 100mm 150mm	4 4 4 4 4 4 4
2		Mirror Systems	
	i.	10 Pack of Protected Silver Mirrors, Ø1" (Ø25.4 mm)	1 Set
	ii.	10 Pack of UV enhanced Aluminium Mirrors, Ø1" (Ø25.4 mm)	1 Set
	iii.	Kinematic mirror Mounts for Ø1" <ul style="list-style-type: none"> • Pitch and Yaw Angular Range of ±4° • 1/4"-80 Adjuster • Screws for Greater Sensitivity • Removable Adjuster • Knobs Expose Hex Sockets 	20
	iv.	Ø1/2" Post ×20mm ×40mm ×75mm ×100mm	4 4 4 4
	v.	Complete Laser Port Hole Periscope Assembly Kit, Metric	1
	vi.	Post-Mounted Iris Diaphragm, Ø25.0 mm Max Aperture	2
	vii.	ND Filters (01 Nos. each) Diameter: Ø25.0 mm wavelength range: ~350-1100nm; Thickness: 1.0 ± 0.25 mm (Unmounted); O.D- 0.1, 0.2,0.5,1,2 and 3	1 set
	viii.	Mounted step Variable Circular ND filter, Ø2.5"; O.D.= 0.04-3.0	1
	ix.	Mirror Flip mount with 90° Flip Action	1
3	x.	BEAMSPLITTER Broadband Non-Polarizing Beam Splitter Cube, 400-700 nm BASE for the beamsplitter Rotatable Cover Plate	2 2 2
4		Series Fiber Adapter, SM1-to-SMA Adapter (1" mountable)	4
5		MAGNETIC BASEs Kinematic MAGNETIC BASE: The top and bottom base plates , magnetically coupled. 3" x 3" x 1" (metric), M6 tapped holes and through hole. Heavy-duty magnetic base : has a switchable magnet for quick positioning of optical component, with M6 mounting stud	2 2
6		Assorted screws and hex keys CAP SCREW KIT: Assorted cap screws, washers and nuts organized storage box of (i) M6, (ii) M3 and (iii) M4 . M6 x 1.0 Setscrews set: Contains the M6 x 1.0 Setscrews: 6, 10, 12, 16, 20, 25, 30, and 35 mm long; ten 3 mm Hex Keys. Hex Keys Set: The Metric Hex Key Kit contains two organizers plus 20 pieces of each of the following sizes: 0.7 mm, 0.9 mm, 1.3 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, and 5 mm and ten pieces of the 6 mm size.	1 set each 1 set 1 set

7	Mechanical Kit: Cage Assemblies and Lens Tubes Contains four rigid steel rods on which optical components can be mounted along a common optical axis Contains: Cage Assembly Rods - 1", Ø6 mm	1
	0.5" Thick Cage Plates, 30 mm	4
	SM1 Lens Tubes, 1.00" (25.4 mm) Bore Depth	3
	30 mm Cage System Cube, 4-Way	5
	30 mm Cage System Alignment Plates with 1 mm Hole	1
	XY Slip Plate Positioner, Coarse 1 mm	4
		1

	Category II: Fiber optic components	
8	Fiber probe spectrometer (miniature) suitable for SMA connectors of Fiber optic white light sources. Detector : CCD type, with pixels 1024 x 58 (1044 x 64 total pixels), with TE cooling, Sensitivity = ~0.06 counts / e- or less; quantum efficiency= 90% or above Appropriate filter arrangement; Optical resolution =~ 0.2nm or less; Spectral range ~200-1100nm, S/N ratio : 1000:1 or more, USB operation , required cables and power supply should be provided.	1
0	Fiber collimating lens fixture, Acromatic doublet 5mm dia, f = ~10mm Wavelength region: 350-1700nm 200-2000nm Fixture with both sides tapped with SMA905 connectors	2 Each 2 Each
10	Collimating lens of SMA905 connector for fiber optic spectrometer, 5mm dia, f= ~10mm, 200-2000nm region	2
11	Fiber path card, SMA terminals, 400 and 1000 micron core, 2mts length Core dia- (400 µm ± 8 µm); Wave length-(300-1100)nm Core dia(1000 µm ± 20 µm); Wave length-(300-1100)nm	2 2

	Category III: Optomechanical and optoelectrical components	
8	XYZ translational stage <ul style="list-style-type: none"> Configured in XZ and XYZ Orientations 1/4"-20 (M6 x 1.0) Mounting Holes Travel Range: 1"; resolution: 400 µm(course)&25 µm(fine) or better) Vertical Load (Max): 20 lbs (9 kg) Horizontal Load (Max): 90 lbs (41 kg) 	3
9	Translational stage <ul style="list-style-type: none"> 1" Travel Translation Stage, Micrometer Drive Left- or Right-Hand Configurable 	3
10	Micropositioner and parts for micro-positioning applications,	
	i. 3-Axis Positioner W/ Differential Micrometers (manual) load =~1kg, height 62.5mm (optical access height 75mm) ; resolution 0.5mm/rev (course) and 50 µm(fine) or better,	2
	ii. Replacement Mounting Plate for Flexure Stages [Metric].	2
	iii. SM1 Compatible Flexure Stage Mount	2
	iv. 5.5mm Riser for Flexure Stage Mounts	2
	v. Long Mounting Bracket, 56 mm Long	2
	vi. Standard Waveguide Mount,35mm Length	2
	vii. Standard V-Groove Fiber Holder	2
	viii. Package of 6 Magnetic Clamps	2

	ix.	Bag of 15 Cleats	2
11		Optical Chopper System With b0 10-slot[36°] Chopper Blade	1
12	i.	Compact Power and Energy meter Console, Digital 4" LCD	1
	ii.	C-Series Thermal Power Sensor, Surface Absorber, 0.19-25µm, upto 10W	1
	iii.	C-Series Standard Power Sensor, Si based, 200-1100 nm, upto 50mW	1
13	i.	Standard Series Optical Table - 2500 mm x 1250 mm x 210 mm -(8.3'x4.1'x12.4") <ul style="list-style-type: none"> • Flatness: ±0.004" (±0.1 mm) Over any 11.0 ft²(1 m²) Area • Double-Plate, Single-Honeycomb Core • Mounting Hole Pattern • Metric: M6 x 1.0 on 25 mm Centers • Imperial: 1/4"-20 on 1" Centers 	2
	ii.	Rigid, Non-Isolating Supports, Set of 4 27.5" (700 mm) <ul style="list-style-type: none"> • Maximum Load Capacity: 5500 lbs (2500 kg) • Height Adjustment: +0.6", -0.25" (+15 mm, -6 mm) 	2 sets

TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS

1. Technical requirements

- 1) All items are to be in **metric scale** only.
- 2) The quotation must contain the following details, otherwise quotation cannot be considered.
 - a. The quote must contain all the items at least in **ONE** category.
 - b. The **technical** bid must contain all the required specifications, drawings, graphs of transmission/reflection/response spectra of components if any) etc.
 - c. Along with the technical bid, please enclose support documents related to previous sale of the above items(s) within India.

2. DELIVERY: The rates quoted must be for C.I.F. Delhi (Air Freight) (if required)

3. TERMS OF PAYMENT: **100% payment on delivery and satisfactory installation**

4. INSTITUTE'S RIGHTS : IIT Delhi reserves the rights of acceptance or rejection of any or all quotations.

5. VALIDITY OF QUOTATIONS: Quotations should be valid at least for a period of 3 months.

6. SUBMISSION OF QUOTATIONS: Both Technical and price bids are to be quoted separately in separate sealed covers. Both these bids should be sent in a sealed cover marked at the top SUBJECT AND DUE DATE

09th September 2011

Quotations should be sent, on or before due date to:

**Dr. G. Vijaya Prakash, Associate Professor
Department of Physics, IIT Delhi, Hauz Khas,
New Delhi 110 016, India.**



G. Vijaya Prakash
Associate Professor,
Department of Physics, IIT Delhi.