

INDIAN INSTITUTE OF TECHNOLOGY GOA

Goa College of Engineering Campus, Farmagudi, Ponda -403401, Goa

Enquiry No. IITGOA/2021-22/047

Date: 07/01/2022

Corrigendum to the tender for Supply of Optical Assembly for Cryostat and Glovebox vide Enquiry No. IITGOA/2021-22/047 DTD 03/01/2022

For the tender of Supply of Optical Assembly for Cryostat and Glovebox at IIT Goa, the following clauses / paragraphs have been modified / added:

Corrigendum I

There is a change in quantity of some item. The revised list of item along with quantity are stated below. The bidders are requested to submit their bid as per the below list.

Sr. No.	Sr. No.	Category	Details	Qty
1	1a	White light in Fiber	Protected Silver Reflective Collimator, with average reflectivity of >95% in the wavelength range of 460 nm - 15 μ m or wider, shall deliver \varnothing 8.5 mm Beam, with SMA connector	1
	1b		Optomechanics adapter with External SM1 Threads (1.035" - 40) and Internal SM05 Threads (0.535" - 40), with Knurled Edge for easy handling	1
	1c		Stabilized (Temperature - 0.2% or better per degC & intensity - 0.05% or better) Fiber-Coupled Broadband Tungsten-Halogen Light Source with Universal Power Adapter, with a bulb having a lifespan 10,000 hours or more, shall provide SMA fiber-coupled light in the wavelength range of 370 - 2500 nm, shall be compatible to 30 mm cage system, M6 Taps, Metric	1
	1d		Replacement bulb for Tungsten-Halogen Light source	1
	1e		\varnothing 25 μ m, 0.10 NA (Numerical Aperture) , FC/PC (2 mm Narrow Key) to SMA905 Fiber Patch Cable, 1 m	1
	1f		FC/PC (2 mm Narrow Key) to SMA Fiber Optic Mating Sleeve	1
	1g		FC/PC to FC/PC or FC/APC to FC/APC Mating Sleeve, Narrow Precision Key (2.0 mm)	1
	1h		Single Mode Patch Cable, Operating wavelength range 640 - 770 nm, hybrid FC/PC to FC/APC connectors, \varnothing 3 mm Jacket, 1 m Long	1
	1i		Single Mode Patch Cable, Operating wavelength range 790 - 960 nm, hybrid FC/PC to FC/APC connectors, 1 m Long	1
	2		2	CMOS Camera
3	3a	Cage Rods	30 mm Cage Assembly Rod, 1/2" Long, \varnothing 6 mm, 4 Pack	9
	3b		30 mm Cage Assembly Rod, 2" Long, \varnothing 6 mm, 4 Pack	2

	3c		30 mm Cage Assembly Rod, 4" Long, Ø6 mm, 4 Pack	4
	3d		30 mm Cage Assembly Rod, 6" Long, Ø6 mm, 4 Pack	3
4	4a	Mic. Body	Microscope Body with Epi-Illumination Arm with Female D1N Dovetail such that it provide at least 7" throat depth, Arm shall be compatible for mounting the small optical breadboard, the body shall have 600 mm height 95 mm Rail mounting platform for mounting the multiple Arms	1
	4b		Breadboard Top, 450.0 mm x 116.8 mm, M6 x 1.0 Taps, with Male D1N Dovetail for mouting it on the Epi-Illumination Arm	1
	4c		Fixed Arm for microscope body, with Internal SM2 Threads (2.035" - 40) centered with the optical axis of epi-arm , 60 mm Cage Compatible	1
	4d		Optomechanics adapter with External SM2 Threads and Internal SM1 Threads	1
	4e		Optomechanics adapter with External SM1 Threads and Internal RMS-Threaded (0.800"-36) for mounting the microscope objective	1
	4f		Optomechanics adapter with External SM1 Threads and Internal M26 x 0.706 Threads for mounting the Mitutoyo microscope objective	1
	4g		Optomechanics adapter with External SM1 Threads and Internal M27 x 0.75 Threads for mounting the Zeiss microscope objective	1
5	5a	Mic. Body Optical-head top	Epi-Illuminator Module for 1 Cube, Male & Female D1N Dovetails	2
	5b		Optomechanics adapter with Female D1N Dovetail and Bores for 60 mm Cage System	1
	5c		Microscope Trinocular Adapter, Male D1N Dovetail, Internal SM30 Threads, 30 and 60 mm Cage Compatibility	1
6	6a	Cage cube & adapters	60 mm to 30 mm Cage System Right-Angle Adapter	3
	6b		30 mm to 60 mm Cage Plate Adapter, M4 Tap	5
	6c		30 mm Cage Cube	4
	6d		30-mm-Cage-Compatible Rectangular Filter Mount	1
	6e		Ø1" Optic Mount with SM1-Threaded Bore for 30 mm Cage Cube, Mounts Optics up to 6.3 mm Thick	2
	6f		30 mm Cage Cube Connector for C4W and C6WR Series Cubes	1
	6g		30 mm Cage Cube Precision Kinematic Rotation Platform (Metric)	2
	6h		30 mm Cage Cube Rotation Platform (Metric)	1
	6i		Blank Cover Plate for cage cube, Metric	5
	6j		Fixed Cage Cube Platform for C4W/C6WR for mounting the 1" optics, Metric	2
	6k		Externally SM1-Threaded End Cap for cage cube	4
7	7a	In- and Out-coupling of light	Right-Angle Kinematic Mirror Mount with Tapped Cage Rod Holes, 30 mm Cage System and SM1 Compatible, M4 and M6 Mounting Holes, Metric	1
	7b		Right-Angle Kinematic Mirror Mount with Smooth Cage Rod Bores, 30 mm Cage System and SM1 Compatible, M4 and M6 Mounting Holes, Metric	2

	7c		±2.5 mm XY Translator of 1" optics with Micrometer Drives with 0.5 mm per Revolution and 10 µm per Graduation Micrometer Screws, with 30 mm cage system compatibility, Metric	2
	7d		±5 degree tip/tilt Kinematic, SM1-Threaded, 30 mm-Cage-Compatible Mount for Ø1" Optic, Metric	2
	7e		SM1 (1.035"-40) Coupler, External Threads, 1" Long, Two Locking Rings	2
	7f		SM1 (1.035"-40) Locking Ring, 1.25" Outer Diameter, Slots for Spanner Wrench	2
	7g		SM1-Threaded 30 mm Cage Plate, 0.35" Thick, 2 Retaining Rings, M4 Tap	10
	7h		2 mm Z-Axis Translation Mount for 1" optics, with 0.05 mm or lower travel per revolution drive, 30 mm Cage Compatible	3
	7i		FC/APC Single-mode Fiber Adapter Plate with External SM1 (1.035"-40) Threads, Narrow Key (2.0 mm)	3
	7j		30 mm Cage System, ±1 mm XY Translating Mount for Ø1" Optics, with 100 TPI Adjusters	3
	7k		Tip/Tilt Rotation Beam Steering Assembly for 1" Mirror, Metric	2
	7l		Ø25.0 mm Pillar Post, M6 Taps, L = 150 mm	2
	7m		Clamping Fork, 1.75" Counterbored Slot, Universal	2
	7n		Single Mode Patch Cable, 640 - 770 nm, FC/APC connectors on both ends, Ø3 mm Jacket , 5m long	2
	7o		Single Mode Patch Cable, 790 - 960 nm, FC/APC connectors on both ends, Ø3 mm Jacket, 5m long	1
8	8a	Optics items	25 mm x 36 mm Protected Silver Mirror, 1 mm thick Fused-silica Substrate, >95% reflectivity in wavelength range 460 - 15000 nm	3
	8b		Ø1" UV Fused-silica Broadband Precision Window, Uncoated, Thickness = 5 mm	2
	8c		f = 50.0 mm, Ø1" Achromatic Doublet, SM1-Threaded Mount, ARC: 400 - 1100 nm	3
	8d		0.15 NA, Mounted Aspheric Lens with Anti Reflection Coating in the Wavelength range of 360 - 690 nm	2
	8e		0.15 NA, Mounted Aspheric Lens with Anti Reflection Coating in the Wavelength range of 610 - 1040 nm	1
	8f		Ø1" Protected Silver Mirror, 10 Pack, >95% reflectivity in the wavelength range 460 - 15000 nm	1

**Sd/-
Registrar**