

Tender Notification for the procurement of optical parts from domestic (India-based) manufacturers

The Indian Institute of Science (IISc), Bangalore, seeks the supply of several optical parts from domestic suppliers for building a 3D bioprinter. The list of items with their technical specifications, including terms and conditions, are provided below. The last date of submitting quotes is mentioned below.

The rules laid out by the Government of India in order No. P45021/2/2017-PP (BE-II) issued by the Public Procurement Section, Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 04th June 2020, will be followed. Per this order, the government has defined a 'Class-I local supplier' as "a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%". A 'Class-II local supplier' is "a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%". Only 'Class-I' and 'Class-II' local suppliers are eligible to participate in this open domestic tender. Any 'Non-local supplier', i.e., "a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%" is ineligible to participate in this tender.

Terms and conditions:

1. The quote should come only from an Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor. The cover letter should mention whether the vendor is a 'Class I' local supplier or a 'Class II' local supplier.
2. The sealed bid must be submitted in two individually sealed parts, one each for the technical bid and the commercial bid. The technical bid should contain all commercial terms and conditions, except the price.
3. The technical bid must contain a technical compliance document, preferably in the form of a table responding against each specification. Any deviation from the specification should be provided.
4. The vendor/company should have a track record of having previously supplied at least five similar items (optical parts) in India in the past five years (please furnish the details).
5. The offer shall be valid at least 60 days from the date of opening of the commercial bid.
6. The vendor/company should have existed for a minimum of 3 years. (Enclose Company Registration Certificate). The vendor/company must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere.
7. The quotations should be on FOR-IISc Bangalore basis
8. The Institute reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.
9. Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:
 - a. To accept OR reject the lowest tender or any other tender or all the tenders.
 - b. To accept any tender in full or in part.
 - c. To reject the tender, offer not conforming to the tender terms.
10. The tender documents should be sent to the following address to reach the latest by 2nd May 2022.

The Chairman, Department of Materials Engineering, Indian Institute of Science, C.V Raman Avenue, Bangalore 560012

Technical specifications:

S.No.	Item	Qty
1	Mounted Continuously Variable ND Filter Ø50 mm OD: 0.04 - 2.0	1
2	Ø1" N-BK7 Plano-Convex Lens SM1-Threaded Mount f = 100 mm Uncoated	2
3	Ø1" N-BK7 Plano-Convex Lens SM1-Threaded Mount f = 200 mm Uncoated	3
4	Ø1" UV-Enhanced Aluminum Mirror	5
5	Complete Periscope Assembly Metric (Mirrors Not Included)	2
6	Ø25.0 mm Pillar Post M4 Taps L = 150 mm	2
7	1" Translation Stage with Standard Micrometer 1/4"-20 Taps	2
8	Adjustable Angle Mounting Plate Metric	1
9	Kinematic Mount for up to 1.3" (33 mm) Tall Rectangular Optics Right Handed	1
10	Rigid Stand Post Holder L = 250 mm	4
11	Ø1.5" Mounting Post M6 Taps L = 150 mm	4
12	Motorized Filter Flip Mount with Ø1" Optic Holder M4 Tap	2
13	Ø1" Low-GDD Ultrafast Mirror 700 nm - 930 nm 45° AOI	4
14	Beam Block 1 - 12 µm 80 W Max Avg. Power Pulsed and CW M4 Taps	5
15	Ø1" Mounted Achromatic Half-Wave Plate SM1-Threaded Mount 400 - 800 nm	1
16	Ø1" High-Precision Rotation Mount with Polarizing Prism Mount Metric	1
17	Glan-Taylor Polarizer 10 mm Clear Aperture Coating 650 - 1050 nm	1
18	Ø1" High-Precision Rotation Mount with Polarizing Prism Mount Metric	1
19	f=40 mm Ø1" Achromatic Doublet SM1-Threaded Mount ARC: 650-1050 nm	1
20	f=150 mm Ø1" Achromatic Doublet SM1-Threaded Mount ARC: 650-1050 nm	1
21	Optical Beam Shutter with 10' Long Cable Ø1/2" Aperture M4 Taps	2
22	Optical Beam Shutter Controller	2
23	630 nm Red LED Array Light Source (Power Supply Not Included)	1
24	Ø2" to Ø38 mm Mount Adapter for LIU Series LED Array	1
25	f=200 mm Ø1" Achromatic Doublet SM1-Threaded Mount ARC: 400-700 nm	2
26	Ø1" Longpass Filter Cut-On Wavelength: 700 nm	1
27	Kiralux 12.3 MP Color CMOS Camera USB 3.0 Interface	1
28	Ø1.5" Mounting Post Bracket M6 Taps	2
29	50X Mitutoyo Plan Apochromat Objective 480 - 1800 nm 0.42 NA 17.0 mm WD	1
30	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 20 mm	2
31	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 30 mm	2
32	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 40 mm 5 Pack	4
33	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 50 mm	8
34	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 75 mm	8
35	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 100 mm	2
36	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 150 mm	3
37	Ø12.7 mm Pedestal Post Holder Spring-Loaded Hex-Locking Thumbscrew L=25 mm	4
38	Ø12.7 mm Pedestal Post Holder Spring-Loaded Hex Locking Thumbscrew L=34.7 mm	5
39	Ø12.7 mm Pedestal Post Holder Spring-Loaded Hex-Locking Thumbscrew L=44.7 mm	15
40	Ø12.7 mm Pedestal Post Holder Spring-Loaded Hex-Locking Thumbscrew L=54.7 mm	8
41	Ø12.7 mm Pedestal Post Holder Spring-Loaded Hex-Locking Thumbscrew L=79.7 mm	3
42	Ø12.7 mm Pedestal Post Holder Spring-Loaded Hex-Locking Thumbscrew L=104.7 mm	13
43	Ø12.7 mm Pedestal Post Holder Spring-Loaded Hex-Locking Thumbscrew L=154.7 mm	5
44	Clamping Fork 31.5 mm Counterbored Slot M6 x 1.0 Captive Screw	25
45	Clamping Fork 44.4 mm Counterbored Slot M6 x 1.0 Captive Screw	10
46	Lens Mount with Retaining Ring for Ø1" Optics M4 Tap	15
47	Lens Mount with Retaining Ring for Ø2" Optics M4 Tap	5

48	Ø1" Lens Mount with Internal and External SM1 Threads M4 Tap	3
49	Ø1" Lens Mount with SM1 Internal Threads and No Retaining Lip M4 Tap	5
50	Kinematic Mirror Mount for Ø1" Optics	10
51	Kinematic Mirror Mount for Ø2" Optics	5
52	M4 Cap Screw and Hardware Kit	1
53	M4 x 0.7 Vacuum-Compatible Vented Setscrew A4 Stainless Steel 12 mm Long 5 Pack	1
54	Ø1" SM1-Mounted N-BK7 Ground Glass Diffuser Kit 5 pc	1
55	Aluminum Breadboard 450 mm x 600 mm x 12.7 mm Ø100 mm Access Hole M6 Taps	1
56	254 mm Travel Vertical Translation Stage M4 and M6 Taps	1