



Department of Physics
Gauhati University
Guwahati 781014, Assam, INDIA

Notice: Inviting Quotations

Ref: PHY/AD/2017/10

Date: 04/05/2017

Sealed quotations from reputed manufacturers/authorized dealers/suppliers are invited for supply and installations of the following items complete in all respect to the Department of Physics, Gauhati University under the SERB, DST sponsored project (EMR/2015/001492). The items should be of very high quality and ready to use for research grade experiments. The sealed quotations are to be submitted to Dr. Abhijit Das, Assistant Professor, Department of Physics, Gauhati University, Guwahati 781014. The quotations may be submitted till 19th May, 2017 14:00 hrs. The quotations will be opened on the same day at 14.30 hrs.

Sl. No	Items	Specifications
1	Opto mechanical parts and Microbench components	<p>Double convex Lens Diameter-1/2" Focal length-15 mm (1), Diameter-1" Focal length-25.4 mm (1 no.), 100 mm (4 nos.), 150 mm (2 nos.), 200 mm (2 nos.), 300 mm (2 nos.), 500 mm (1 nos.), 1000 mm (1 nos.),</p> <p>Plano-Convex Cylindrical Lens (one each) f = 3.90 mm, H = 4.00 mm, L = 6.0 mm f = 5.80 mm, H = 4.00 mm, L = 8.0 mm f = 10.00 mm, H = 10.00 mm, L = 12.0 mm f = 15.00 mm, H = 10.00 mm, L = 12.0 mm f = 20.00 mm, H = 10.00 mm, L = 12.0 mm f = 25.00 mm, H = 10.00 mm, L = 12.0 mm f = 30.00 mm, H = 20.00 mm, L = 22.0 mm f = 40.00 mm, H = 10.00 mm, L = 12.0 mm f = 100.00 mm, H = 30.00 mm, L = 32.0 mm f = 200.00 mm, H = 30.00 mm, L = 32.0 mm f = 500.00 mm, H = 30.00 mm, L = 32.0 mm f = 1000.00 mm, H = 30.00 mm, L = 32.0 mm</p> <p>Objective lens 4X Olympus Plan Achromat Objective, 0.10 NA, 18.5 mm WD (2 nos.) 10X Olympus Plan Achromat Objective, 0.25 NA, 10.6 mm WD (1 nos.) 20X Olympus Plan Achromat Objective, 0.4 NA, 1.2 mm WD (1 nos.)</p> <p>Mirror Ø1" (Ø25.4 mm) Protected Aluminum Mirror (3 nos.) Ø1/2" (Ø12.7 mm) Protected Aluminum Mirror (1 no.)</p>

	<p>ND Filter (one each) Step Variable ND Filter, 25 mm x 100 mm, OD: 0.1 - 4.0 Unmounted Ø1/2" Absorptive ND Filter, Optical Density: 0.1 Unmounted Ø1/2" Absorptive ND Filter, Optical Density: 0.2 Unmounted Ø1/2" Absorptive ND Filter, Optical Density: 0.4 Unmounted Ø1/2" Absorptive ND Filter, Optical Density: 1.0 Unmounted Ø1/2" Absorptive ND Filter, Optical Density: 2.0 Unmounted Ø1/2" Absorptive ND Filter, Optical Density: 3.0 Unmounted Ø1/2" Absorptive ND Filter, Optical Density: 4.0 Unmounted Ø1/2" Absorptive ND Filter, Optical Density: 5.0</p> <p>Beam Splitter (one each) 50:50 Non-Polarizing Beamsplitter Cube, 400 - 700 nm, 10 mm 10 mm Polarizing Beamsplitter Cube, 420 - 680 nm</p> <p>Dichroic Filter, Refl. Band = 525-556 nm, Trans. Band = 580-650 nm, 25.0 mm x 36.0 mm (1 no.)</p> <p>Lens Mount with Retaining Ring for Ø1/2" Optics, M4 Tap (8 nos.) Lens Mount with Retaining Ring for Ø1" Optics, M4 Tap (15 nos.) Ø12.7 mm Optical Post, SS, M4 Setscrew, M6 Tap, L = 50 mm (5 nos.) Ø12.7 mm Optical Post, SS, M4 Setscrew, M6 Tap, L = 75 mm (15 nos.) Ø12.7 mm Optical Post, SS, M4 Setscrew, M6 Tap, L = 100 mm (5 nos.) Ø12.7 mm Optical Post, SS, M4 Setscrew, M6 Tap, L = 150 mm (5 nos.) Ø12.7 mm Optical Post, SS, M4 Setscrew, M6 Tap, L = 300 mm (1 nos.)</p> <p>Ø1/2" Post Holders, Spring-Loaded Hex-Locking Thumbscrews, L = 2" (10 nos.) Ø1/2" Post Holders, Spring-Loaded Hex-Locking Thumbscrew, L = 3" (10 nos.)</p> <p>Table Clamp, L-Shape, (5 nos.) Compact Variable Height Clamp, M6 Tapped (5 nos.)</p> <p>Fixed Cylindrical Lens Mount, Max Optic Height: 1.60" (1 no.)</p> <p>30 mm Cage Plate with Ø1" Double Bore, M4 Tap (4 nos.) Blank Cover Plate (1 no.) SM1 Lens Tube, 2.00" Thread Depth, One Retaining Ring (2 nos.) SM1 Lens Tube, 3.00" Thread Depth, One Retaining Ring (2 nos.) 30 mm Cage Cube (2 nos.) 30 mm Cage Cube, Ø6 mm Through Holes (2 nos.) 30 mm Cage System Alignment Plate with Ø1 mm Hole (1 no.) SM1 Lens Tube, 1.00" Thread Depth, SM1RR Retaining Ring (5 nos.) SM1 Lens Tube, 2.00" Thread Depth with One Retaining Ring (4 nos.) Kinematic Mirror Mount For Microscope Objectives (2 nos.) Adapter with External SM1 Threads and Internal RMS Threads (5 nos.)</p>
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		<p>30 mm Cage System Iris, Ø20.0 mm Maximum Aperture (1 no.) SM1-Threaded 30 mm Cage Plate, 0.35" Thick, 2 Retaining Rings, M4 Tap (10 nos.) Blank 30 mm Cage Plate, 0.35" Thick, M4 Tap (1 no.) SM1-Threaded 30 mm Cage Plate, 0.50" Thick with 2 Retaining Rings, M4 Tap (5 nos.) Cage Assembly Rod, 1/2" Long, Ø6 mm, (4 nos.) Cage Assembly Rod, 1" Long, Ø6 mm (4 nos.) Cage Assembly Rod, 2" Long, Ø6 mm (4 nos.) Cage Assembly Rod, 8" Long, Ø6 mm (16 nos.) Cage Assembly Rod, 12" Long, Ø6 mm (4 nos.) Cage Assembly Rod, 24" Long, Ø6 mm (4 nos.)</p> <p>Ø12.7 mm Post Holder, Spring-Loaded Hex-Locking Thumbscrew, L=50 mm (10 nos.) Ø12.7 mm Post Holder, Spring-Loaded Hex-Locking Thumbscrew, L=75 Mm (10 nos.) Fixed Cage Cube Platform for C4W/C6W, Metric (1 no.)</p>
3	CCD Camera	<p>Resolution (H × V pixels): 1280 px × 1024 px Pixel Size horizontal/vertical: 4.8 µm x 4.8 µm Frame Rate > 200 fps Mono/Color: Color Interface: USB 3.0 Video Output Format: Bayer BG 8, Bayer BG 10, Bayer BG, 10 Packed Pixel Bit Depth: 10 bits Housing: box Lens Mount: C-mount Digital Input: 1 Digital Output : 1 General Purpose I/O: 2 Power Requirements Via USB 3.0 interface Sensor Type CMOS Sensor Size (mm) 6.14 mm × 4.92 mm</p>
4	Oscilloscope	<p>Bandwidth: Minimum 100 MHz No of Channel : 2Nos. Sample rate : Minimum 1GS/S on each channel 2.5k point record length on all channels 7 inch WVGA (800×480) Active TFT Color Display Dual window FFT, simultaneously monitors both the time and frequency Connectivity USB 2.0 host port on the front panel for quick and easy data storage USB 2.0 device port on rear panel for easy connection to a PC Warranty -5 years</p>

*Gauhati University reserves the right to modify/cancel the requirements.

**All terms and conditions will be as per Gauhati University rules, regulations and decisions.

Information to Bidders:

1. (a) The bid must mention the prices of all items asked for individually and then summed up at last i.e. basic price and other charges such as Packing, Freight, Insurance, Installation & Commissioning charge, VAT/Tax etc. as applicable;

(b) Annual Maintenance Contract (AMC) rate (after expiry of warranty period) is to be clearly indicated – preferably in both comprehensive and non-comprehensive terms, *failure to which the offer may not be considered even if it turns out to be at the lowest price.*

(c) **Details of the technical features of the offered equipment along with standard technical literature on each of the items offered**

(d) Dealership certificate on the offered products in case of dealer;

(e) List of reputed organizations/institutions, where similar orders have been executed (copies of the purchase/work orders may be enclosed);

(f) Details of nature and maximum period of **warranty** offered by the vendor

(g) After Sales Service: The name & address of the nearest available authorized service centre to Gauhati University, Guwahati, should be stated in the quotation.

2. Rates should be quoted up to CIF Guwahati for imported items, and up to Gauhati University, Guwahati for others.

Note: Vague terms like “packing, forwarding, transportation etc. extra” without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected.

Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite in the quotation.

3. **Validity:** Quoted rates must be valid for **120 days**.

4. **Pre-installation requisites:** Pre-installation requisites (electrical/floor/space/air-conditioning etc.) if any should invariably be mentioned. Installation/training will be the full responsibility of the supplier/Indian agent.

5. **Genuine pricing:** Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold, particularly to the Central and State Universities, IITs, Research Institutes and other Government organizations.

6. **Road permit, custom duty clearance should be taken care by the suppliers, with the DSIR certificates etc. may be provided from the University side if required.**

7. **Delivery:** (a) Delivery of goods at Gauhati University will have to be supplied within the agreed period from the date of issue of the Purchase Order.

(b) **Safe delivery of goods:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the cartons will be opened only in the presence of Gauhati University user/representative and vendor's representative and the intact position of the seal for not being tampered with, shall form the basis for certifying the receipt in good condition.

(c) **No part delivery:** No part shipment is acceptable.

8. **Quotation by fax/e-mail not acceptable:** The offers submitted by telex/telegram/fax/e-mail etc. shall not be considered. No correspondence will be entertained on this matter.

9. **Late and delayed tender:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.

10. **Conditional tenders not acceptable:** Conditional tenders shall not be accepted on any ground and shall be rejected straightway. In other words, printed conditions mentioned in the tender bids submitted by vendors will not be binding on Gauhati University. *All the terms and conditions for the supply, payment terms, penalty etc. will be as per Gauhati University rules, regulations and decisions and no change in the terms and conditions by the vendors will be acceptable.*

11. **Specifications:** It must be ensured that the offers are strictly as per our specifications. A quotation has to be supported with the printed technical leaflet/literature (wherever applicable) and the specifications mentioned in the quotation must be reflected/supported by such printed technical leaflet/literature model quoted/tendered specifications should **invariably be highlighted** in the leaflet/literature for easy reference.

12. **Enquiry during the course of evaluation not allowed:** No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the committee/authorized representative and office of the Gauhati University can make any enquiry/seek clarification from the bidders. In such a situation, the agency shall extend full cooperation. The bidders can also be asked to arrange demo of the offered items, as such the bidders have to be ready for the same.

13. Only technically qualified quotations will be considered for further action. The acceptance of the quotation will rest solely with the undersigned and the Gauhati University is not bound to accept the lowest quotation and reserves the right to reject or partially accept any or all the quotations received without assigning any reasons.

14. **Application Law:** The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Guwahati, India only.

Abhijit Das
Principal Investigator

Head
Department of Physics

Copy to:

1. Treasurer, Gauhati University
2. Deputy Registrar, for publication in the website
3. Office copy for record
4. Notice Board