

Department of Applied Optics and Photonics
Tender No. AOP/17-18/09

| Sl.no. | Item Name | Qty. | Specification |
|---------------|--|-------------|---|
| 1. | Quarter wave Plate | 1 | Mounted ½ inch dia multi order Quarter- wave plate, $\lambda = 633$ nm AR coated on Front & back surfaces. Surface quality $> 0.25 \lambda$ |
| 2. | Half wave Plate | 1 | Mounted ½ inch dia multi order Half- wave plate, 1 inch Mount, $\lambda = 633$ nm. AR coated on Front & back surfaces. Surface quality $> 0.25 \lambda$ |
| 3. | Glass mounted polariser | 1 | 1 inch mount, 400 nm – 700 nm, Economy film polarisers. |
| 4. | Non-Polarizing Cube Beam splitter | 1 | 400 – 700 nm, 10 mm. Surface quality $> 0.25 \lambda$ |
| 5. | Standard Post Holders for 0.25" posts | 10 | Anodized aluminum, height 3 inch. |
| 6. | Precision Ground stainless steel Posts | 10 | Height 100mm, adjustable to the post holders above, 0.25". |
| 7. | Adjustable Mounting Base | 10 | 2"×3"×3/8" with parallel slots for positioning. |
| 8. | Mounts for 1" diameter optics | 10 | Anodized aluminum Circular mounts with adaptable to item 6. |

Quotations in sealed envelopes are invited from reputed parties for supply of the following items:

Complete quotations with necessary documentation should be addressed to:

Head,
Department of Applied Optics and Photonics,
Technology Campus, JD-2, Sector III, Kolkata 700106

and submitted within 7 days from the date of publication of this tender document.

Department of Applied Optics and Photonics
Tender No. AOP/17-18/10

| Sl.no. | Item Name | Qty. | Make | Specification |
|---------------|-----------------------------|-------------|-------------|---|
| 1. | Raspberry Pie | 3 | Raspberry | Raspberry Pie V2 |
| 2. | Raspberry Pie camera module | 1 | Raspberry | Resolution: 8 MP Sensor Resolution: 2592×1944 pixels Video Modes: 1080p30, 720p60 & 640×480p60/90 Sensor OmniVision OV567 Focal Length: 3.60 mm +/- 0.01 Dimensions: 25mm×20mm×9mm approx. |
| 3. | ARDUINO DUE | 2 | Arduino | ATMEL SAM3X8E ARM CORTEX-M3 CPU 84 MHz clock speed, inbuilt 16-channel 12-bit 1 msp ADC with differential input mode and programmable gain stage 2-channel 12-bit 1 msp DAC. |
| 4. | Antivirus | 3 | Kaspersky | Kaspersky Internet security- 5 user 3 yrs. |
| 5. | Multimeter | 8 | MetraVi | Digital Multimeter-Model 603 |
| 6. | Printer Cartridge | 2 | HP | Laserjet 12A Black Noire(Q2612A) |
| 7. | External HDD | 2 | Seagate | 2 TB wired external HDD with USB 3.0 connectivity & 1 port. |
| 8. | External DVD writer. | 2 | LG | Portable CD/DVD writer, interface USB, |

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Tender No. AOP/17-18/11

| Sl.No. | Item | Specifications | |
|---------------|----------------|------------------------|---|
| 1. | Muffle Furnace | Max. Temperature | 1100°C |
| | | Working Temperature | 1000°C |
| | | Heating Element | Kanthal A-1 |
| | | Temperature Accuracy | +/- 1°C |
| | | Temperature Controller | PID controller |
| | | Display | LED / LCD Display |
| | | External Chamber | MS with Powder Coating |
| | | Internal Chamber | Ceramic Board & Grooved Refractory Chamber as per Temp. Requirement |
| | | Insulation | Ceramic wool insulation |
| | | Alarm | Audible & Visual type |
| | | Power Supply | 220 Volts |
| | | Dimension (Inches) | 6X6X12 / 8X8X12 |
| | | Ceramic crucible | Circular, ~75 mm diameter, ~ 10mm height flat bottom-6 pieces |
| | | Tongs | For holding the crucibles-2 pieces |

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Department of Applied Optics and Photonics
Tender No. AOP/17-18/12

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| Sl.No. | Item | Make | Specifications | |
|--|---------------------|--------------|----------------------------|--|
| 1. | Newtonian Telescope | GSO (Taiwan) | Optical Design | Newtonian |
| | | | Primary Mirror | 6 inch Parabolic |
| | | | Diameter | 150mm |
| | | | Focal Length | 1200mm |
| | | | Faintest Steller Magnitude | 13.7 |
| | | | Resolving Power | 0.74 Arc - Seconds. |
| | | | Focuser | Precision Crayford |
| | | | Eyepiece Standard | Premium Plossl 25mm (1.25") 52° field. |
| | | | Eyepiece Standard | Premium Plossl 9mm (1.25") 52° field. |
| | | | Finder | 6x30mm, achromatic |
| | | | Mount type | DOBSONIAN |
| | | | Accessories | T Ring for Nikon Mount |
| | | | | T Ring for Canon Mount |
| | | | | 2X Achromatic Barlow lens |
| Filter for lunar observation | | | | |
| Carrying case/bag, Solar filter, cleaning tissues and others as offered. | | | | |

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