

Specifications

1. **Overview / Scope:** Department of General Services (DGS) will be ordering darkroom items to be delivered to and installed at Lincoln University 1570 Baltimore Pike, Lincoln University PA, 19352. All shipping and installation charges must be factored into the unit cost of the item(s). Installation will be in the Photography Studio, there is elevator access to the studio. All Bid pricing should be a unit price for one unit.
2. **Eligibility:** To be eligible for award, a bidder must comply with the following:
 - A. bidder must be the manufacturer of the products being offered, or be an authorized representative reseller or distributor of the manufacturer's products
 - B. Bids must be received on time and completed in its entirety
 - C. Pursuant to Executive Order 2021-06, *Worker Protection and Investment* (October 21, 2021), the Commonwealth is responsible for ensuring that every Pennsylvania worker has a safe and healthy work environment, and the protections afforded them through labor laws. To that end, contractors and grantees of the Commonwealth must certify that they are in compliance with all applicable Pennsylvania state labor and workforce safety laws. Such certification shall be made through the Worker Protection and Investment Certification Form (BOP-2201) and submitted with the bid, proposal, or quote.
3. **Method of Award:** An award will be made to the single lowest responsive and responsible bidder.
4. **Documents to be returned with bid:**
 - A. Cover letter with contact information of Representative with knowledge of this procurement
 - B. Documentation of equipment being proposed with specifications such as owner's manual
 - C. BOP-2201 Worker Protection Contractor Grantee Notice
 - D. Lobbying Certification and Disclosure Form
 - E. Reciprocal Limitations Form
5. **Specification:**
 - A. Products shall meet the minimum requirements for each product as described below, **unless noted otherwise in product description.**
 - B. All camera/lighting gear must be compatible as necessary.
 - C. Supplier shall honor all manufacturers warranties.
 - D. All items provided resulting from this IFB shall be NEW, and not demonstrator, rebuilt, reconditioned, refurbished, remanufactured, or used in anyway.
 - E. Quantities listed are estimated. Each piece of equipment must possess the features listed to follow the program curriculum at Lincoln University:

Darkroom and Lighting Items

Enlarging Easel

- **11X14" Universal 4-Bladed Enlarging Easel (Quantity 14)**
 - Heavy gauge, spring steel blades
 - Detachable masking blades for individual arrangement
 - Three-sided measuring scale

Film Cameras and lighting

- **Large Format, Entry level, Lightweight 4x5 film view Camera (Quantity: 5)**
 - Camera requirements:
 - Lightweight
 - Front Rise
 - Shift
 - Swing and Base Tilt
 - Accepts Standard Copal shutter lenses
 - Includes ground glass and bellows
 - Each camera should include
 - 2 pack - 4X5 film holders (Quantity 4)
 - Lens boards (appropriate copal size based on lenses purchased)
 - Lens 210mm
 - Aluminum tripod
 - Pan/tilt head
 - Minimum 25lb load capacity
 - Flip/lever locks (not twist lock)
 - Small to medium dark cloth with one silver side
 - Metal or heavy duty plastic case to hold camera, lens and accessories
 - Shuter cable release ~10"
- **Professional 4X5 film rail camera (Quantity 1)**
 - Camera requirements
 - Front rise
 - Shift
 - Swing
 - Base tilt

- Rear swing and base tilt
- Includes ground glass
- Accepts standard copal shutter lenses
- Each camera should include
 - 2 pack – 4x5 film holders (Quantity 8)
 - Lens boards (appropriate copal size based on lenses purchased)
 - Lens 210mm
 - Lens 120mm
 - Aluminum tripod
 - Pan/tilt head
 - Minimum 25lb load capacity
 - Flip/lever locks (not twist lock)
 - Small to medium dark cloth with one silver side
 - Metal or heavy duty plastic case to hold camera, lens and accessories
 - Shutter cable release ~10"
- **Professional 4x5 film field camera (Quantity 1)**
 - Camera requirements
 - Front rise
 - Shift
 - Swing
 - Base tilt
 - Rear swing and base tilt
 - All metal construction
 - Accepts standard copal shutter lenses
 - Includes ground glass
 - Each camera should include
 - 2 pack - 4x5 film holders (quantity 8)
 - Lens board for each lens (appropriate copal size based on lenses purchased)
 - Lens 210mm
 - Lens 150mm
 - Aluminum tripod
 - Pan/tilt head
 - Minimum 25lb load capacity
 - Flip/lever locks (not twist lock)

- Small to medium dark cloth with one silver side
- Metal or heavy duty plastic case to hold camera, lens and accessories
- Shutter cable release ~10"
- **35mm SLR film camera with K mount (Quantity 15)**
 - Each camera should include
 - 50mm or 85mm lens
 - Camera strap
 - Camera bag
 - Lens cap
- **Medium format single lens reflex 6x6cm format (120) film camera (Quantity 5)**
 - Each camera should include
 - 120 film back
 - Lens ~80mm
 - Lens ~50mm
 - Aluminum or carbon fiber tripod
 - Pan/tilt head
 - Minimum 15lb load capacity
 - Lever/flip locks (not twist locks)
 - Shutter cable release ~10"
 - Camera bag
 - Lens cap
- **Medium format single lens reflex 6x7cm format (120) camera with film and digital back attachment capabilities (Quantity 5)**
 - Each camera should include
 - 120 film back
 - Lens ~90mm
 - Lens ~55mm
 - Aluminum or carbon fiber tripod
 - Pan/tilt head
 - Minimum 15lb load capacity
 - Lever/flip locks (not twist locks)
 - Shutter cable release ~10"
 - Camera bag
 - Lens cap
- **6x9cm medium format rangefinder with 90mm lens (Quantity 2)**

- Each rangefinder should include
 - Camera bag
 - Lens cap

Lighting

○ Constant Lighting

- **Bi-color LED Monolight -330W, bowens S Mount (Quantity 6)**

- **Description**

- The high performance bi-color LED moonlight is designed for studio and on location photography and videography. This versatile lighting solution offers precise color temperature control, powerful output, and a robust construction making it ideal for both still photography and video production.

- **Features**

- Light source: type: bi color LED moonlight
- Output: 117,000 lux at 3.3' (5600K)
- Power: 330W, providing ample brightness for various lighting needs
- Color temperature range: adjustable from 2800K to 6500K, enabling flexibility and creativity in different shooting conditions

- **RGB LED moonlight – 43,400 LUX (@3'), bowens S mount (Quantity 9)**

- **Features**

- Light source: type: RGB LED moonlight featuring full color capabilities for diverse creative applications
- Maximum output: 43,300 Lux at 3.3' with reflector
- Power: 310W
- Color temperature range: adjustable color temperature from 3500k to 8500k, allowing for precise control over warmth and coolness
- RGB Range: full RGB spectrum output for extensive color options, enabling users to create custom lighting effects
- Capable of producing vibrant colors and special effects for dynamic scenes

- Accessories: Provide the following in the quantities listed

- Plastic dust cover (**quantity 13**)

- 35mm glassless negative carrier (**quantity 13**)

- 6x6 cm negative carrier (**quantity 13**)

- 6x7 cm negative carrier (**quantity 13**)
 - 6x9 cm negative carrier (**quantity 13**)
 - 50mm enlarging lens, jam nut and lens (**quantity 13**)
 - 90mm enlarging lens, jam nut and lens board (**quantity 13**)
- **Ventilated PVC Chemical Management System (Quantity 2)**
 - Description: Vented, lockable PVC cabinet with “free-air” exhaust system with 3-tank cabinet above.
 - Basis – of – Design: Model Number- (Sebastian Darkroom) SCDDS-486625-FAB or similar
 - Ventilation note: Provide a SINGLE 3” diameter vent in cabinet, centered, and connect to the PVC ducts provided in wall (opposed to the two vents in product cut sheet).
 - **Deluxe Drying Cabinet, Painted Steel R. H. Opening (Quantity 1)**
 - Description: Steel film drying cabinet with chemical resistant primer and polyurethane finish. With optional inspection windows and interior light. Removable stainless steel clip rods are included with all dryers. Right hand opening door.
 - Electrical: Dryer is equipped with adjustable heat thermostat, variable 60 minute timer with automatic shut off or continuous operation. 120 VAC, 60 Hz, 14 Amps
 - Filtration System: All incoming air passes through a disposable air filter located beneath dust cover on top of dryer. This cover prevents dust build up when dryer is not in use, and prolongs filter life.
 - Accessories: Provide the following accessories by the same manufacturer as the drying cabinet, in the quantities listed:
 - Stainless 10 clip rod, removable (**quantity 3**)

Photographic UV Light Source (18x20) High Output (Quantity 1)

- Description: Used as a light source to expose your Platinum /Palladium prints, Cyanotypes and other Alternative Processes.

RC Filter flow electric air dryer (quantity 2)

- Description: Accommodates 8-8x10" prints or 4-11x14"
- Dries RC prints or film in only 5 minutes
- Accessories: provide stepdown transformer

17-inch thermostatic print dryer (Quantity 1)

- Description: Accommodates: (1) 11x14, (2) 8x10, OR (8) 4x5 prints at once, on each of the two (2) drying surfaces.
- Works for both Resin Coated (RC) and Fiber (FB) paper
- Accessories: provide stepdown transformer

Screen printing exposure unit (Quantity 1)

Description: UV exposure unit with high density LED light source (up to 6840 LEDs), optically clear glass, and a vacuum lid to create tight contact between glass, film, and emulsion.

- Overall size with stand (HxWxD): 9"x51"x43" once attached to stand: 41"x51"x43"
 - Must fit through 34" door (table top unit can be tilted in through door and then attached to floor stand in room)
 - Maximum Screen Frame Glass size: 31"x 40" exposure
 - Table Top Unit with Floor Stand
- "CTS" or Computer-to-Screen via a retro-fit kit availability option; Kit turns exposure unit into a computer-to-screen UV LED screen exposure system
 - "Light-Loc" feature that automatically turns off the screen exposure light source if the blanket frame is opened.

Questions / Inquiries:

All questions about this IFB must be submitted by email to Chasity Beward at cbeward@pa.gov. Questions must be submitted no later than seven (7) days prior to bid closing. Questions submitted by any other means will not be accepted.