

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-397
Item to be Scouted	Laboratory Dry Cabinets
Days to be scouted	15
Response Due By	08/13/2026
Description	Four (4) Laboratory Dry Cabinets

Section 2: Technical Information

Type of supplier being sought	Distributor
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Manufacturing primarily involves sheet metal fabrication, where cold-rolled steel or aluminum is precision cut (via CNC laser or plasma cutting), bent, and welded to create the airtight chassis. The interior and exterior are typically treated with powder coating or electrostatic painting for chemical resistance and corrosion protection. Key assembly processes include the installation of tempered safety glass for doors and the integration of electronic dehumidification systems (such as desiccants or thermoelectric Peltier modules). Final production involves sealing with high-grade silicone or rubber gaskets to ensure hermetic closure and rigorous vacuum/humidity leakage testing for quality assurance.
Provide dimensions / size / tolerances / performance specifications for the item	Dry Cabinets • Unit must be desiccant-based technology. • Must be equipped with minimum of two (2) individual dryers. • Capable of humidity control down to 1% RH. • Must have digital display and control panel, with capability of setting %RH. • Must have humidity alarm with on/off button. • Minimum 1100 L capacity. • Unit external dimension specification: Width 47-48 inches, Depth 25-31 inches, Height 64-75 inches (without casters). • Unit internal dimension specification: Width 42-47 inches, Depth 18-30 inches, Height 40 inches minimum. • Minimum required inside shelving dimensions: Width 38 inches, Depth 18 inches. Unit must have 5 shelves minimum, each shelving must be one continuous shelf spanning the width of the unit, shelving must be adjustable height. • Unit must have a total minimum of six (6) doors with glass windows. • Each door opening must have unobstructed opening of 21.5 x 18.5 (W x H) minimum. • Must have non-latching recessed/flush door pull handles (without pull rod, pull handle, hatch pull, or additional mechanisms needed to open door). • Unit must have casters. • Unit must be plug and play. • Preference for units that are lockable, separate from pull handles • A desiccant recycling light indicator is preferred • Indicator lights (such as desiccant recycling light) and controls should be visible and accessible from the normal installed operating position, without requiring the unit to be moved or pulled away from the wall.
List required materials needed to make the product, including materials of product components	Cold-rolled steel, aluminum, stainless steel, tempered safety glass, silicone rubber, EPDM rubber, polyurethane foam, mineral wool, industrial sealants, silica gel, molecular sieves, Peltier modules, heat sinks, cooling fans, digital controllers, microprocessors, humidity sensors, PCBs, wiring, powder coating paint, magnetic latches, mechanical locks, hinges, handles, screws, rivets, bolts

Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	One-time purchase of four (4) Dry Cabinets
Estimated target price / unit cost information (if unavailable explain)	\$7,000.00 to \$10,000.00 per unit
When is it needed by?	September 2026
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Maryland

Additional Comments

Is there other information you would like to include?	Agency providing funds: Office of Finance and Administration, Office of the Chief Procurement Officer Name/POC for BA related questions: Kareen Mansfield Email address of contact: Mansfield.Kareen@epa.gov
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