

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2024-149
Item to be Scouted	Materials Testing Temperature Control Chamber
Days to be scouted	30
Response Due By	07/18/2024
Description	Temperature-controlled stainless steel chamber capable of maintaining temperature inside at a user-defined setpoint between -20 °C and 80 °C. Interior dimensions must be at least 37 inches (width) by 20 inches (depth) by 50 inches (height) to fit the necessary equipment.
Notify Requester Immediately	
State item to be used in	North Carolina

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Manufacturing process may vary as required.
Provide dimensions / size / tolerances / performance specifications for the item	<p>A temperature-controlled stainless-steel chamber capable of maintaining temperature inside at a user-defined setpoint temperature between -20 °C and 100 °C.</p> <p>The interior must be stainless steel and have minimum internal dimensions of 37 inches (width) by 20 inches (depth) by 50 inches (height) to fit the necessary equipment.</p> <p>It must include at least 2 adjustable stainless-steel shelves with a usable shelf area of 36 inches by 19 inches or larger. It must contain at least one access port with a diameter of 100 mm or 4 inches to the inner (temperature-controlled) chamber.</p> <p>The chamber must have one or two opening access doors.</p> <p>It must run at 110 V – 120 V, 50/60Hz power with 20 A or less peak power consumption.</p> <p>The unit must come with a minimum 1 year warranty for parts and labor.</p> <p>It must have a controller capable of storing and running temperature programs with at least 10 segments.</p> <p>Total exterior dimensions must be less than 60 inches (wide) by 40 inches (deep) by 80 inches (tall) to fit in designated space.</p>
List required materials needed to make the product, including materials of product components	Stainless steel internal chamber containing 2 or more stainless steel shelves.
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No

NAICS 1	334513 Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables
NAICS 2	
Additional Technical Comments	

## Section 4: Business Information

Estimated potential business volume	One unit
Estimated target price / unit cost information (if unavailable explain)	\$25,000
When is it needed by?	Immediate
Describe packaging requirements	Individually packaged
Where will this item be shipped?	Durham, NC

## Additional Comments

Is there other information you would like to include?	
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