

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-129
Item to be Scouted	Particulate Sampling System
Days to be scouted	30
Response Due By	05/30/2025
Description	Engine exhaust particulate sampling system and associated test cell integration services

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	<ul style="list-style-type: none"> <li>• A partial-flow dilution particulate sampling system that complies with the requirements of 40CFR1065, delivered to and installed at the US EPA's National Vehicle and Fuel Emissions Laboratory in Ann Arbor, Michigan.</li> </ul>
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<ul style="list-style-type: none"> <li>• Various as needed for the related components</li> <li>• Heated sample probe for sample collection from the engine test site's full flow CVS dilution tunnel.</li> </ul>
Provide dimensions / size / tolerances / performance specifications for the item	<ul style="list-style-type: none"> <li>• HEPA filtration for secondary dilution air.</li> <li>• Ability to use 47mm diameter high-efficiency PTFE membrane filters for sample collection.</li> <li>• A partial-flow dilution particulate sampling system that complies with the requirements of 40CFR1065, delivered to and installed at the US EPA's National Vehicle and Fuel Emissions Laboratory in Ann Arbor, Michigan.</li> <li>• Installation and tuning of a PID controller for the engine test site's tailpipe pressure control blower.</li> <li>• Heated sample probe for sample collection from the engine test site's full flow CVS dilution tunnel.</li> <li>• Integration with the engine test site's Horiba STARS host automation system for control and data logging.</li> <li>• HEPA filtration for secondary dilution air.</li> <li>• Ability to use 47mm diameter high-efficiency PTFE membrane filters for sample collection.</li> <li>• Installation and tuning of a PID controller for the engine test site's tailpipe pressure control blower.</li> <li>• Integration with the engine test site's Horiba STARS host automation system for control and data logging.</li> </ul>
List required materials needed to make the product, including materials of product components	Various as needed for the related components
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes
Details	System performance must comply with relevant requirements of 40CFR1065.
Additional Technical Comments	Vendor must provide installation/integration services along with made-in-America equipment. Manufacturing and installation services are both required

## Section 4: Business Information

Estimated potential business volume	This is for the one-time purchase of a single unit installed in an existing heavy-duty engine test cell at the National Vehicle and Fuel Emissions Laboratory in Ann Arbor, MI
Estimated target price / unit cost information (if unavailable explain)	\$100,000
When is it needed by?	summer 2026
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.

Where will this item be shipped?	Ann Arbor, MI
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## Additional Comments

Is there other information you would like to include?	<p>EPA/OAR/TATD/ETB</p> <p>Agency providing funds: United States Environmental Protection Agency  Name/POC for BABA related questions: Jonathan Slater  Email address of contact: slater.jonathan@epa.gov</p>
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