

ITEM OPPORTUNITY SYNOPSIS

Scouting Number: 2023-172
Name of the item to be scouted: 40 CFR 1066 Compliant Exhaust Analytical Equipment
State item to be used in: Michigan

Describe the Item:

Please describe the item application/the end use of the item.

Seeking companies that can provide vehicle exhaust sampling and analytical equipment fully capable of meeting all Code of Federal Regulations (CFR) 1066 requirements, and an extensive history of integrating with AVL (avl.com) analytical equipment.

Supplier Information:

Type of Supplier Being Sought (select from the list below):

Manufacturer

Contract Manufacturer

Distributor

Other (Please Specify)

Provider of exhaust sampling and analytical equipment

Reason for Scouting Submission (select from the list below)

2nd Supplier

Price

Re-Shore

Past supplier no longer available

New Product Startup

BABA

x

Other (Please Specify)

Summary of Technical Specifications and Performance

Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)

Components required include an exhaust emission analytical system for measuring vehicle exhaust gas concentrations of CH₄, CO, CO₂, NO_x, N₂O, and THC, including a device host system, computer, and all necessary gas preparation equipment, 2) An updated CVS bag rack and all replacement sample pumps and gas preparation as required by the analytical system, including a CVS device host system and computer, and 3) An upgraded device host system and computer for the existing particulate measurement system. All components must seamlessly integrate into an AVL iGEM I60 system with a PUMA controller. All components must conform with all 40 CFR 1066 requirements.

Provide dimensions / size / tolerances / performance specifications of the item

Can/will vary

List required materials needed to make the product, including materials of product components, if applicable

various

Are there applicable certification requirements?

Yes

x

No

Please explain:

Needs to be compliant with 40CFR1066 requirements, and have all calibration procedures and report generation and storage to satisfy 40 CFR 1066 and ISO 17025

Are there any applicable regulations that apply to the production of this item?

Yes

x

No

Please explain:

Needs to be compliant with 40CFR1066 requirements, and have all calibration procedures

Are there any other standards / requirements?

Yes

No

x

Please explain:

Additional Comments:

Additional technical comments:

Volume and Pricing:

Estimated Potential Business Volume (i.e. #units per day, month, year):

two units of each as described above

Estimated Target Price / Unit Cost Information:

Approximately \$1,950,000 for two complete units as described above

Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc)

Approximately 285 days from contract award

Describe packaging requirements (i.e. individually / group packaging, etc)

Components must be delivered, installed, and commissioned in Ann Arbor, MI

Where will this item be shipped?

National Vehicle and Fuel Emissions Laboratory Testing and Advanced Technology Division (TATD)/Advanced Testing Center Ann Arbor, MI

Additional Comments:

Is there other information you would like to include?