

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2026-132
Item to be Scouted	Atmospheric Distillation Unit
Days to be scouted	30
Response Due By	05/22/2026
Description	OptiDist 2 atmospheric distillation unit is used to measure the distillation properties of liquid petroleum fuels in accordance with ASTM D86 Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	New product startup
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Manufacturing an atmospheric distillation unit is a high-level heavy engineering process focused on specialized metallurgy and modular fabrication. It involves rolling high-grade steel into shells, fabricating precision internals (trays), and joining components via high-strength automated welding. The process concludes with rigorous non-destructive pressure testing and the assembly of modular sections for final refinery installation.
Provide dimensions / size / tolerances / performance specifications for the item	Self Positioning heating system distillation rate of 2-10 mL shall have a solid-state thermosiphon cooling system receiving chamber shall have a temperature range of 0-40 degrees Celcius receiving chamber temperature shall be programmable receiving chamber shall be compatible with 100 and 200 mL flasks QR-coded heater verification and flask detection Real-time monitoring of sample and vapor temperature
List required materials needed to make the product, including materials of product components	The Chemistry Laboratory at NVFEL uses PAC IRIS software to run currently owned PAC OptiDist instruments. The IRIS software is used for running samples, archiving data, archiving calibrations, and transferring data to the Chemistry Lab databases. The IRIS software is only compatible with OptiDist instruments.
Are there applicable certification requirements?	Yes
Details	Needs to comply with ASTM D86 Groups 1 through 4.
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes
Details	Must be compatible with PAC IRIS software
Additional Technical Comments	

## Section 4: Business Information

Estimated potential business volume	Purchase of quantity of 1, with option to buy 1 additional unit
Estimated target price / unit cost information (if unavailable explain)	unit cost: 47,200, total 94,400
When is it needed by?	3 months
Describe packaging requirements	NA
Where will this item be shipped?	2565 Plymouth Road Ann Arbor MI 48105

## Additional Comments

Is there other information you would like to include?

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