ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-024
Name of the item to be scouted:	Titration instrument
State item to be used in:	Illinois

Describe the Item:

Please describe the item application/the end use of the item.	Laboratory titration instrument In accordance with Federal Acquisition Regulation (FAR) 10.002(b) (2) (i), this supplier scouting opportunity is for the purpose of conducting market research

Supplier Information:

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

Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	

Reason for Scouting Submission (select from the list below)

2nd Supplier	
Price	x
Re-Shore	
Past supplier no longer available	
New Product Startup	
BABA	
Other (Please Specify)	

Summary of Technical Specifications and Performance Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic/Electrical Assembly
Provide dimensions / size / tolerances / performance specifications of the item	Salient characteristics attached
List required materials needed to make the product, including materials of product components, if applicable	N/A

Are there applicable certification requirements?

Yes	
No	x
Please explain:	

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

Yes	
No	x
Please explain:	

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):	1 instrument
Estimated Target Price/Unit Cost Information:	$75,000.00

Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc.)	3 months
Describe packaging requirements (i.e. individually/group packaging, etc.)	palletized
Where will this item be shipped?	Chicago, IL 60605

Additional Comments:

Is there other information you would like to include?	In accordance with Federal Acquisition Regulation (FAR) 10.002(b) (2) (i), this supplier scouting opportunity is for the purpose of conducting market research

Specification Requirements:

NEMI – National Environmental Methods Index
- **SM = Standard Method contained within NEMI**
- **https://www.nemi.gov/methods/method_summary/9694/**

Provide an automated titrator according to the following specifications:

1. Must be capable of performing the following methods:
    1.1. Alkalinity by SM 2320B
    1.2. pH by SM 4500-H+ B
    1.3. pH by SW-846: 9040C
    1.4. Fluoride by SM 4500-F B and C

2. The instrument must be equipped with the following items:
    2.1. Robotic sampler
    2.2. Peristaltic pump
    2.3. Rod stirrer
    2.4. pH electrode (1)
        2.4.1. Electrode must be capable of reading pH 0 to 14 at temperatures of 0 to 100 °C
        2.4.2. Electrode must come with a fixed connecting cable and should be 1 meter in size
        2.4.3. Electrode should use KCl electrolyte solution
        2.4.4. Electrode should have the ability to easily change the electrolyte solution
    2.5. Sample rack
        2.5.1. Capable of holding ≥ 59 sample cup positions
        2.5.2. Include ≥ 59 sample cups (number of cups should equal number of sample rack cup positions)
            2.5.2.1. Sample cups must be ≥ 100 mL in size and should be 120 mL in size
            2.5.2.2. Material should be polypropylene but may be glass
    2.6. Dosing unit (quantity ≥ 2)
        2.6.1. Dosing controller with a 20 mL glass dosing vessel
        2.6.2. Anti-diffusion buret tip
    2.7. Reagent bottles (quantity ≥ 2)
        2.7.1. Must be made of amber glass
        2.7.2. Size must be ≥ 1 L

3. The instrument and software must be capable of controlling ≥ 4 dosing units as equipped

4. The instrument and software must be able to perform sample titration in-cup
    4.1. The sampler must be able to reach all sample cups as equipped
        4.1.1. The sampler should include a swivel head

5. The instrument must be supplied with a computer

5.1. Operating system must be Windows 10 or higher and should be Windows 11
5.2. Titration software must be included and not subscription-based
  5.2.1. Software must be capable of modifying and storing multiple methods and should be capable of storing ≥ 8 methods

6. The following services must be included:
  6.1. Shipping and delivery
  6.2. Installation of hardware and software with a functionality test
  6.3. Instrument and software training ≥ 2 hours
  6.4. Warranty ≥ 3 years
  6.5. Service repair contract ≥ 2 years including:
    6.5.1. Unlimited repairs with travel, labor, and parts
    6.5.2. Annual performance maintenance