

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-589
Item to be Scouted	X-ray Diffractometer
Days to be scouted	29
Response Due By	11/12/2026
Description	The Agency needs to purchase an X-ray diffractometer (XRD) as a commercial off the shelf item. The EPA's Drinking Water Science and Engineering Division currently has an XRD that is beyond its serviceable life. The XRD is the

Section 2: Technical Information

Type of supplier being sought	(particularly lead service line) materials. This instrument facilitates technical support to communities addressing lead and other contaminants of emerging concern under the Safe Drinking Water Act (SDWA) generally (Section 1450(b) [42 U.S.C. 300j-9(b)]), and specifically 1459A 42 USC 300j-19a, and supports Goals 1 (Clean air, land, and water for every American) and 3 (Permitting reform, cooperative federalism, and cross-agency partnership) of EPA's Strategic Plan.
Reason	Product is a precision scientific instrument consisting of multiple components. Metal, plastic, and electronic components assembled into a precision instrument. please see three product brochures from manufacturers of this type of equipment attached.
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Can vary, three product brochures from manufacturer's of this type of equipment attached. Equipment and new instrument and training of research staff shall be included in the cost of the procurement. The instrument purchase shall include a minimum 1-year warranty which covers all travel, parts and labor. Service is required. The minimum specifications are included in the attached statement of work (SOW).
Provide dimensions / size / tolerances / performance specifications for the item	
List required materials needed to make the product, including materials of product components	
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	N/A

Section 4: Business Information

Estimated potential business volume	According to USASpending between FY2022 and FY2026 the total federal dollars obligated to XRD type instruments was ~\$6.2 million (18 units). Other purchasers/users of the item would include universities and other research entities.
Estimated target price / unit cost information (if unavailable explain)	The estimated target price is \$350,000, see attached product quote from Rigaku.
When is it needed by?	Immediate
Describe packaging requirements	Individually wrapped on pallet.
Where will this item be shipped?	Cincinnati, OH

Additional Comments

Is there other information you would like to include?	Brochures of example companies that make this type of instrument included as attachments (bruker, malvern panalytical, rigaku). Statement of work (SOW) for the requirements of this instrumentation included as attachment "XRD-2026-SOW_v1". And an example product quote for this type of instrumentation from Rigaku "Rigaku_September 9 2026.....pdf"
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