

60 davs Electrical Resistivity Sensor Frame Opportunities will be postedfor 30 days unless specified Item to be Scouted Please describe the item application/ the end use of item.\* Provide the item number if applicable: (N95 Mask vs Protective Mask). Frame for a sensor that will be embedded in cylindrical samples of concrete materials to measure the electrical resistivity of the concrete pore solution. The measurements will be used in concrete mix design and in construction quality control. 2021-119 Supplier Scouting Number (NIST MEP use) Scouting customer/product NAICS Code, if known a. Type of supplier being sought\* **TECHNICAL INFORMATION** Manufacturer Contract Manufacturer ☐ Distributor **Supplier Information** ☐ Other \_\_ b. Reason for scouting submission\* ☐ 2<sup>nd</sup> Supplier □ Price ☐ Re-shore ☐ Past supplier no longer available ■ New Product Startup  $\square$  Other a. Describe the manufacturing processes (elaborate to provide as much detail as possible).\* 2. Summary C. . . . . Performance Requirements: manufacture a planar plastic frame with a holding place for the sensor body to be securely attached b. Provide dimensions / size / tolerances / performance specifications for the item.\* **Technical Specifications** plastic frame: 3.9 x 7.5 x 0.25 inch, sensor body: 0.4 x 0.4 x 0.2 inch c. List required materials needed to make the product, including materials of product components.\* frame: plastic resistant against high pH levels



			d. Are there applicable certification requirements?*   Yes   No  Please explain
		2. Summary of	This R&D project will eventually result in certain certification standards, but there are no existing certification requirements.
			e. Are there applicable regulations?*  Yes  No Please explain
	Requirements	Technical Sp	meet environmental laws and regulations of federal, state, and local Governments for, but not limited to, the following groupings: airborne emissions, waterborne effluents, external radiation levels, outdoor noise, solid and bulk waste disposal practices, and handling and storage of toxic and hazardous materials.
	nents (	Specifications	f. Are there any other standards, requirements, etc.?*   Yes  No Please explain
	cont:	ations a	To the maximum extent possible, provide or use products that are: energy efficient (ENERGY STAR
		and Per	g. Additional Comments: Is there other information that would impact the item's performance or usefulness? Please explain.
		Performance	The sensor system will include 1) the sensor body, 2) the electronic assembly (copper or stainless steel wiring/electrodes and terminals insulated with plastic resistant against high pH levels), and 3) this plastic frame, which will have a holding place for the sensor assembly to be securely attached. This manufacturer may opt in to produce one or more of these three components.
	Pr	.ω	3a. Estimated potential business volume (i.e., # Units Per Day, Month, Year) *:
BUSINESS INFORMATION:	icing	Volume	Once R&D is completed and test method is standardized, there will be around 10,000 units sold per year.
NFC		and	b. Estimated target price / unit cost information (flexible and negotiable not accepted) *:
)RM			Estimated unit cost is about \$5 per frame
IATION:		4.	a. When is it needed by? (Immediate, 30 Days, 6 months, etc.)*
		Del	within the next 6 months, but will need more immediate consultation on plans and protocols.
••		iver	b. Describe packaging requirements (i.e., individually/group packaging)*
		y Requ	group packaging
' l	1	₹.	c. Where will this item be shipped?*
		=	C. WHELE WILL MISTERIA DE SIMPPEA.
		Delivery Requirements:	across the United States and Canada
	_	ments: 5.	**
	6		across the United States and Canada