

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-010
Item to be Scouted	QR / RFID Scanner (for washing facility)
Days to be scouted	30
Response Due By	02/07/2025
Description	The fixed QR code or RFID scanner(s) will be used at a centralized washing facility to track reusable containers and other foodware items as part of a reusable foodware system. These devices must be able to read and process data accurately and efficiently in an indoor facility environment. The scanners will experience frequent use and must be durable enough to withstand daily operations in a humid tropical climate.
Notify Requester Immediately	
State item to be used in	Hawaii

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic assembly To identify reliable, high-performance scanning equipment suitable for tracking reusable foodware items in a commercial setting. Scanners should be manufactured with durable, high-quality materials to ensure longevity under frequent use. Devices should incorporate advanced optical or RFID technology for accurate and fast scanning.
Provide dimensions / size / tolerances / performance specifications for the item	Dimensions: appx. 10.75 x 7.25 x 2" Features: Scanning Range & Speed: Reads QR codes and RFID tags within 6 inches to 3 feet, with high-speed processing of at least 30 tags/second. Durability & Environmental Resistance: Built to IP53 standards for dust and moisture resistance, with a shock-resistant casing for durability in industrial environments. Connectivity & Compatibility: Supports Ethernet, USB, RS-232, and wireless (Bluetooth/Wi-Fi) connections; integrates with standard tracking systems and supports common data export formats.
List required materials needed to make the product, including materials of product components	Die-cast aluminum or equivalent material for durability and protection in industrial settings.
Are there applicable certification requirements?	Yes
Details	FCC
Are there applicable regulations?	Yes
Details	The Build America Buy America Act
Are there any other standards, requirements, etc.?	Yes

Details	Devices should meet IP53 or higher standards for resistance to dust and moisture. Similar in form and function to: https://www.buymobiles.net/blog/a-guide-to-understanding-the-ip-rating-on-your-mobile/#:~:text=What%20does%20IP53%20mean%3F,to%20a%2060%2Ddegree%20angle .
NAICS 1	518210 Data Processing, Hosting, and Related Services
NAICS 2	541519 Other Computer Related Services
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	1 unit needed
Estimated target price / unit cost information (if unavailable explain)	\$2,500 per unit
When is it needed by?	July 2025
Describe packaging requirements	Packaging should include necessary accessories (e.g., power cables, mounting brackets, etc). Protective packaging to prevent damage during transit is required.
Where will this item be shipped?	Hilo, Hawaii

Additional Comments

Is there other information you would like to include?	For questions or additional information on BABAA guidance, please contact Grace Ma ma.grace@epa.gov
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