

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2024-323
Item to be Scouted	20' Connex Shipping Container
Days to be scouted	16
Response Due By	11/01/2024
Description	20' shipping container (also called connex).
Notify Requester Immediately	
State item to be used in	Alaska

## Section 2: Technical Information

Type of supplier being sought	Other
Details	Please explore all sources
Reason	BABA
Details	Please explore all.
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<p>Shipping container construction begins with the wall panels. Large steel sheets are cut down into sheets, which are sand-blasted and primed to remove dust and other contaminants. They are then corrugated, which actually adds strength to walls and gives shipping containers their wave like texture. The corrugated sheets are welded to the tubular frame.</p> <p>Floor frame assembly primarily consists of two longer I-beams laid out perpendicular to each other. Smaller I-beams are then welded in between the longer I-beams to create a slab-like base. Once the welding is complete, the floor frame is sanded with a flap disc angle grinder to remove any rough welding joints. The flooring is Marine grade pressure treated with FDA approved chemicals to include pesticides and anti decomposing agents to insure safety and longevity of the wood floors.</p> <p>Now that the sides of the container are made, the front and back of the container are constructed. Like the side walls, the doors are mainly made out of corrugated steel. Once the corrugated steel has been cut to size, it is encased in square steel tubing.</p> <p>The doors are installed on the floor frame, followed by the wall panels. Then the corner posts, walls and door are welded in place and the roof panel is assembled and attached. The box is almost completed. Cranes are used to lift the door frames so they can be positioned on top of the floor frame and welded into place. The wall panels are lifted and welded next, and the roof panel is welded in place last. Priming and painting are done by spray method.</p>
Provide dimensions / size / tolerances / performance specifications for the item	<p>Standard 20' connex/shipping containers have</p> <p>Exterior: 20 ft long x 8 ft wide x 8 ft 6 in high.  Interior: 19 ft 4 in long x 7 ft 9 in wide x 7 ft 10 in high.  Storage capacity: Approximately 150 sq ft.</p>
List required materials needed to make the product, including materials of product components	High-quality corrugated steel. Also called corten steel.
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes

Details	Item needs to be BABA compliant. Manufactured in the U.S. A. and exceeds the 55 percent U.S.-made component test for manufactured products.
Are there any other standards, requirements, etc.?	No
NAICS 1	332439 Other metal container manufacturing
NAICS 2	332420 Metal tank (heavy gauge) manufacturing
Additional Technical Comments	

## Section 4: Business Information

Estimated potential business volume	Require 7 connexes/shipping containers per year over a period of the next three years (total of 21 containers)
Estimated target price / unit cost information (if unavailable explain)	\$5,000 each. Please note that used connexes found locally cost \$3,100. Lower pricing is preferable.
When is it needed by?	Immediate
Describe packaging requirements	Standard. Product must be delivered undamaged via best available means providing cost of transport is not exorbitant
Where will this item be shipped?	Each connex would need to be sent to each of the 7 villages below. 7 Tribes/Villages include: Cheforak, Nightmute, Kipnuk, Tununak, Newtok, Umkumiut, and Toksook Bay, all in the State of Alaska.

## Additional Comments

Is there other information you would like to include?	<p>We are not certain of the associated NAICS code for connexes but made our best guess.</p> <p>U.S. Environmental Protection Agency (EPA) Agency: U.S. EPA Name/POC: Aleda Ziegler Email address: ziegler.aleda@epa.gov</p> <p>Please copy <a href="mailto:scouting@nist.gov">scouting@nist.gov</a> on all correspondence.</p>
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