

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-193
Name of the item to be scouted:	Power Supply - Inverter Cubicle
State item to be used in:	New Jersey
Describe the Item:	
Please describe the item application/the end use of the item.	For our projects in the USA, we are looking for qualified suppliers to
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	
Re-Shore	x
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)	Manufacturing capabilities should include the ability to produce water-cooled inverter cubicles with specific power modules and transformer requirements
Provide dimensions / size / tolerances / performance specifications of the item	- Inverter cubicle, water-cooled. - 3 custom power modules and 3 15kV transformers. - Input power: 800Vdc/100kVA, output power: pulsed power at 15kV. - Part of power cabling with 50mm ² shielded cable, other part with Litz wire (10k x 0.05mm ²). - PLC (Wago or Weidmueller). - Estimated size: 1200 x 600 x 1000, adaptable to meet standard size.
List required materials needed to make the product, including materials of product components, if applicable	Specific materials for water cooling, power modules, and transformers
Are there applicable certification requirements?	
Yes	x
No	
Please explain:	See "other standards, requirements, etc" field
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	x
No	
Please explain:	The suppliers should ideally meet the following suggested certifications: ATEX, NEC500, marine certified, or UL/CSA. However, these certifications are not mandatory as the project is not yet defined.
NAICS CODES:	
NAICS 1	335311 Power, distribution, and specialty transformer manufacturing
NAICS 2	335999 All other miscellaneous electrical equipment and component manufacturing
Additional Comments:	
Additional technical comments:	
Volume and Pricing:	
Estimated Potential Business Volume (i.e. #units per day, month, year):	Estimated production volume to be determined based on project requirements.
Estimated Target Price/Unit Cost Information:	Will vary according to the size and make of each individual cubicle.

Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc.)	The project-specific timelines are not yet defined, so we are unable to provide an exact timeframe.
Describe packaging requirements (i.e. individually/group packaging, etc.)	Not provided.
Where will this item be shipped?	The items will be shipped within the USA. However, we have been asked not to share the specific city/state/region at this time.

Additional Comments:

Is there other information you would like to include?	
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