

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-192
Name of the item to be scouted:	Power Supply - 100 kW Active Front End 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 produce a 100 kW Active Front End Cubicle. This cubicle needs to be water-cooled and include specific power cabling and control requirements as detailed below
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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 active front end cubicles with specific power cabling and control requirements.
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Provide dimensions / size / tolerances / performance specifications of the item	- 100 kW Active Front End Cubicle, water-cooled. - Power cabling done with 50mm ² shielded cable with Amphenol Powerlok connectors. - Main power 400 – 500 Vac, 3-phases. - Controlled with a PLC (Wago or Weidmueller). - Estimated size: 1200 x 800 x 2200.
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List required materials needed to make the product, including materials of product components, if applicable	Specific materials for water cooling and power cabling components
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Are there applicable certification requirements?

Yes	x
No	
Please explain:	See other standards, requirements 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.
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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:	
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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
<u>Delivery Requirements:</u>	
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.
<u>Additional Comments:</u>	
Is there other information you would like to include?	