

## ITEM OPPORTUNITY SYNOPSIS

<b>Scouting Number:</b>	2024-235
<b>Name of the item to be scouted:</b>	Distribution Battery Energy Storage System
<b>State item to be used in:</b>	Texas
<b>Describe the Item:</b>	
Please describe the item application/the end use of the item.	Li-Fe PO4 chemistry type; to include all supporting accessories (balance of systems). 20MW duration is four (4) hour. Therefore, 80MW energy capacity. Understanding that these are scalable.
<b>Supplier Information:</b>	
<b>Type of Supplier Being Sought (select from the list below):</b>	
Manufacturer	
Contract Manufacturer	
Distributor	
Other (Please Specify)	Integrator
<b>Reason for Scouting Submission (select from the list below)</b>	
2nd Supplier	
Price	
Re-Shore	
Past supplier no longer available	
New Product Startup	
BABA	x
Other (Please Specify)	
<b>Summary of Technical Specifications and Performance Requirements:</b>	
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic and mechanical assembly
Provide dimensions / size / tolerances / performance specifications of the item	0.57 acres (footprint)
List required materials needed to make the product, including materials of product components, if applicable	depends/TBD. All required accessories
Are there applicable certification requirements?	
Yes	x
No	
Please explain:	IEEE
Are there any applicable regulations that apply to the production of this item?	
Yes	x
No	
Please explain:	BABA Compliant
Are there any other standards / requirements?	
Yes	x
No	
Please explain:	Weatherization, etc.
<b>NAICS CODES:</b>	
NAICS 1	335910 Battery Manufacturing
NAICS 2	335911 Storage battery manufacturing
<b>Additional Comments:</b>	
Additional technical comments:	Fire safety, personnel safety, etc.
<b>Volume and Pricing:</b>	
Estimated Potential Business Volume (i.e. #units per day, month, year):	1 unit
Estimated Target Price/Unit Cost Information:	range widely fair market price
<b>Delivery Requirements:</b>	
When is it needed by? (Immediate, 30 days, 6 months, etc.)	6 to 18 months
Describe packaging requirements (i.e. individually/group packaging, etc.)	Ranges, and dependent on delivery location.
Where will this item be shipped?	TBD
<b>Additional Comments:</b>	

**Is there other information you would like to include?**

This is market research by DOE's GDO BABA Assurance Lead as due diligence for domestic manufactures. Google searched these two links  
<https://www.clarke-energy.com/battery-energy-storage-systems-bess/>  
<https://ieeexplore.ieee.org/document/8930450>