

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-184
Name of the item to be scouted:	Solid Rocket Motors
State item to be used in:	North Carolina

Describe the Item:

Please describe the item application/the end use of the item.	Also looking for sources that have the infrastructure to make Solid Rocket Motors (SRMs), even if they have not specifically considered SRMs before. This is to be part of the Cab-3A or Cab-3B, a family of rockets designed to put CubeSats into Low Earth Orbit individually
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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	
Past supplier no longer available	
New Product Startup	
BABA	
Other (Please Specify)	They have the infrastructure to make SRMs, even if they have not specifically considered SRMs before. *

Summary of Technical Specifications and Performance Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Mix materials, pour mixture into mold, dry. Conditions are carefully controlled to avoid potential ignition.
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Provide dimensions / size / tolerances / performance specifications of the item	Mix materials, pour mixture into mold, dry. Conditions are carefully controlled to avoid potential ignition. Cannot provide additional information outside of NDA. (In part because exact specs may qualify as "technical data" in International Traffic in Arms Regulations (ITAR) concerns. But I can approximate it by saying, if one were to use the amateur model rocket classifications, most of the motors we seek would be considered S or T class, with some Q or R class. Prefer in filament-wound casing, though we can add casing ourselves if needed
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List required materials needed to make the product, including materials of product components, if applicable	The usual materials are Hydroxyl-terminated Polybutadiene (HTPB), ammonium perchlorate, and aluminum powder, but we'll also listen to manufacturers who wish to suggest another mix.
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Are there applicable certification requirements?

Yes	
No	x
Please explain:	

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:	State dependent. Although, any manufacturer who does not already know what regulations apply to them is not one that we wish to do business.

NAICS CODES:

NAICS 1	336415 Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing
NAICS 2	

Additional Comments:

Additional technical comments:	
Volume and Pricing:	
Estimated Potential Business Volume (i.e. #units per day, month, year):	\$5,000,000 annual (100 rockets' worth / per year)
Estimated Target Price/Unit Cost Information:	\$50,000 per rocket's worth (set of 4 motors, which collectively make the motors needed for one Cab-3A or Cab-3B, combined mass about 750 kg)
Delivery Requirements:	
When is it needed by? (Immediate, 30 days, 6 months, etc.)	TBD: need quotes to get funding for the project
Describe packaging requirements (i.e. individually/group packaging, etc.)	Pallets, individual packaging, and crates are all okay
Where will this item be shipped?	Within CONUS only
Additional Comments:	
Is there other information you would like to include?	