

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-536
Item to be Scouted	BABA: Heat Pump
Days to be scouted	15
Response Due By	10/15/2026
Description	Need commercial off the shelf or manufactured heat pump similar in form, fit, and function to Split System Heat Pump LG KUMXB181A

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Manufacturing of the split system heat pump can involve a combination of automated assembly and precision fabrication. The process begins with stamping and forming aluminum and copper to create heat exchanger coils and the chassis, followed by robotic brazing to secure the refrigerant piping. The compressor and electronic controllers are integrated into the outdoor unit via an automated assembly line, while the indoor unit is assembled using injection-molded plastics for the housing. The final stages include vacuum dehydration and refrigerant charging, followed by rigorous leak detection and performance testing to ensure operational efficiency and adherence to environmental standards.
Provide dimensions / size / tolerances / performance specifications for the item	Additional specifications can be found via the following link (https://www.lg.com/ca_en/heating-and-cooling/residential-solutions/kumxb181a)
List required materials needed to make the product, including materials of product components	includes but is not limited to copper, aluminum, galvanized steel, stainless steel, ABS plastic, polycarbonate, polypropylene, polyethylene, polyurethane foam, synthetic rubber, silicone, epoxy, solder, and chemical refrigerant.
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	7 Units
Estimated target price / unit cost information (if unavailable explain)	Best available, as this is related to BABA, acceptable pricing is to be determined in negotiation.
When is it needed by?	As soon as possible
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Bismarck, North Dakota

Additional Comments

Is there other information you would like to include?

Agency providing funds: North Dakota Housing Finance Agency
Name/POC for BABA related questions:
Email address of contact: