

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-282
Item to be Scouted	BABA: Sump Pumps
Days to be scouted	14
Response Due By	06/24/2026
Description	Sump pumps similar in form, fit, and fashion to the following: Sump Pump (SP)-1:

Section 2: Technical Information

Type of supplier being sought	- Flow Rate: 100 GPM Manufacturer: - Pump Head: 20 ft
Reason	BABA Discharge: 1.5 in - Motor: 1-1/2 HP - Voltage: 208V - Phase: 1 - Control: Automatic (integral float) - Basin: 24" diameter x 72" depth Sump Pump (SP)-2: - Model: 1188 - Pump Type: Duplex - Flow Rate: 2 @ 100 GPM - Pump Head: 20 ft - Discharge: 1.5 in - Motor: 1-1/2 HP each - Voltage: 208V - Phase: 1 - Control: Duplex control panel with alternator - Basin: 36" diameter x 72" depth Accessories: - A-Pak Alarm System (Model 10-0623) - Duplex control panel
State item to be used in	Minnesota

<p>Describe the manufacturing processes (elaborate to provide as much detail as possible)</p>	<p>Step 1: Metal Casting (Pump Body) Process: Sand casting or permanent mold casting Used to create: Pump casing Volute Motor housing Molten iron is poured into molds ? cooled ? rough casting removed</p> <p>Step 2: Machining CNC machining for precision surfaces: Impeller geometry Shaft alignment Seal faces Drilling and threading for connections</p> <p>Step 3: Impeller Manufacturing Two common methods: Injection molding (thermoplastic impellers) Metal casting + machining (iron/stainless impellers)</p> <p>Step 4: Motor Manufacturing Stator winding: Copper windings inserted into laminated steel core Rotor fabrication: Die-cast aluminum or copper conductors</p> <p>Assembly: Bearings installed Rotor balanced</p> <p>Step 5: Seal and Waterproofing Assembly Mechanical seals installed at shaft interface Housing sealed using: O-rings Gaskets Oil-fill added (for submersible cooling and lubrication)</p> <p>Step 6: Pump Assembly Components assembled into final pump: Impeller mounted to shaft Motor coupled to pump Housing bolted and sealed Float switch integrated</p> <p>Step 7: Electrical Integration Power cord installed (UL-rated) Float switch wired For duplex: Control panel wiring Alarm connections</p> <p>Step 8: Factory Testing Each pump is typically: Pressure tested Leak tested Performance tested (flow/head) Electrical tested</p>
<p>Provide dimensions / size / tolerances / performance specifications for the item</p>	<p>A. Pump Body (per unit) Height: 12" to 15" Diameter (base): 8" to 10" Footprint: 9" x 9" square equivalent Weight: 40–70 lbs</p> <p>C. Duplex System (SP-2) Two pumps installed in a shared basin:</p> <p>Clear spacing between pumps: 3"–6" minimum Overall installed width: ~18"–24" inside basin Control float travel range: ~6"–12" vertical stroke</p>

<p>List required materials needed to make the product, including materials of product components</p>	<p>A. Pump Hydraulic Components Pump housing (casing): Cast iron (most common for Zoeller-type pumps) Epoxy-coated for corrosion resistance Impeller: Engineered thermoplastic or cast iron / stainless steel Volute and base: Cast iron or reinforced thermoplastic Fasteners and hardware: Stainless steel</p> <p>B. Motor Components (Submersible) Motor housing: Cast iron or stainless steel (sealed, watertight) Windings: Copper Rotor / stator laminations: Electrical-grade steel Cooling medium: Oil-filled or water-cooled design</p> <p>C. Shaft and Sealing System Shaft: Stainless steel (corrosion resistant) Mechanical seal: Carbon/ceramic or silicon carbide Gaskets: Neoprene or rubber</p> <p>D. Controls and Accessories Float Switch Polymeric float (plastic body with internal switch) Duplex Panel (for SP-2) Steel or polycarbonate enclosure Electrical components: Relays, contactors, breakers (copper + electronics) Alarm System (A-Pak) NEMA enclosure (steel or thermoplastic) Circuit board and sensors</p> <p>E. Basin (from your schedule) Material: Fiberglass or HDPE (high-density polyethylene) Simplex basin: ~24" diameter × 72" depth Duplex basin: ~36" diameter × 72" depth</p>
<p>Are there applicable certification requirements?</p>	<p>Yes</p>
<p>Certification(s) required</p>	<p>UL</p>
<p>Are there applicable regulations?</p>	<p>Yes</p>
<p>Details</p>	<p>UL 778 NFPA 70 (NEC) ANSI/Hydraulic Standard Institute</p>
<p>Are there any other standards, requirements, etc.?</p>	<p>Yes</p>
<p>Details</p>	<p>Minnesota Plumbing Code: Chapter 4714 International Plumbing Code: IPC 712.3.1</p>

Additional Technical Comments	<p>Key Requirements for Sump Pumps</p> <p>A. Power Supply Typically 120V or 208V single-phase Must follow NEC load and conductor sizing</p> <p>B. Circuit Requirements Dedicated 15–20 amp branch circuit recommended Prevents overload and ensures reliability [plumbingtipspro.com]</p> <p>C. GFCI Protection Required for basements / damp locations Protects against shock and electrical hazards [precisionw...oofing.net]</p> <p>D. Installation Requirements Proper grounding required Receptacle must be: Accessible Located above floor level No extension cords allowed</p> <p>E. Disconnecting Means Must have a disconnect within sight if hardwired</p>
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Section 4: Business Information

Estimated potential business volume	1 Simplex, 1 Duplex
Estimated target price / unit cost information (if unavailable explain)	Simplex: \$1500 Duplex: \$4,000
When is it needed by?	Immediate
Describe packaging requirements	Palletized
Where will this item be shipped?	Minneapolis, MN

Additional Comments

Is there other information you would like to include?	<p>Specified sump pump systems were selected based on reliability, redundancy (duplex configuration), and performance requirements for elevator pit and parking drainage.</p> <p>Funding: MHFA (Minnesota Housing Finance Agency) Point of contact: Nick Hoelscher; nick.h@noorcompanies.com</p>
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