

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-042
Item to be Scouted	Hoist Gear Motor
Days to be scouted	30
Response Due By	03/14/2025
Description	Gear Motor CYLCO AND HELICAL BEVEL GEAR REDUCER WITH INTEGRAL MOTOR AND BRAKE. - Gear Reducer TWO STAGE HELICAL GEAR REDUCER -
Notify Requester Immediately	
State item to be used in	Washington

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electrical / Mechanical assembly. Including but not limited to machining, heat treatment, and finishing.
Provide dimensions / size / tolerances / performance specifications for the item	<p>Suggested Component SUMITOMO MODEL LHYMS10-5C165KB-EPG3-B-67 SUMITOMO MODEL PHD906 OP2-LRK-6.3</p> <p>Gear Motor CYLCO AND HELICAL BEVEL GEAR REDUCER WITH INTEGRAL MOTOR AND BRAKE. - DUTY CYCLE: - HOURS OF OPERATION PER DAY: 3-1 0 HR - NUMBER OF STARTS AND STOPS PER HOUR: 60 PER HR - START AND STOP LOAD FACTOR:I (LOAD FACTOR<.3) - PRIME MOVER: AC-MOTOR INVERTER OPERATED - GEAR REDUCTION: 67.2:1 - MOTOR RATED SPEED: 1750 RPM - MOTOR RATED POWER: 10 HP - MOTOR TYPE: TEFC - BRAKE RATED TORQUE: 5 9 FT-LBS - DESIGN SERVICE FACTOR: 1.68 - GEAR MOTOR OPTIONS REQUIRED: - LEVER TYPE BRAKE RELEASE</p> <p>Gear Reducer TWO STAGE HELICAL GEAR REDUCER - DUTY CYCLE: - HOURS OF OPERATION PER DAY: INTERMITTENT 3 HR - PRIME MOVER: AC-MOTOR INVERTER OPERATED - GEAR REDUCTION: 6.188:1 - INPUT SPEED: 26 RPM - RATED POWER: 14 HP - DESIGN SERVICE FACTOR: 1.5</p>
List required materials needed to make the product, including materials of product components	Steel, Electrical, Engineering
Are there applicable certification requirements?	No

Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
NAICS 1	237310 Highway, Street, and Bridge Construction
NAICS 2	811310 Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
Additional Technical Comments	<p>Provide special mounting bracket to adapt gear motor to input shaft of the gear reducer. Mounting bracket shall clock gear motor to reduce as shown in the drawings. The specified part number incorporates mounting feature.</p> <p>Gear reducer shall provide mounting interface for the output mounting bracket from gear motor. the specified part number incorporates mounting feature.</p>

Section 4: Business Information

Estimated potential business volume	one-time purchase to a single unit
Estimated target price / unit cost information (if unavailable explain)	\$40,000
When is it needed by?	Within 6 months of approved shop drawings (attached)
Describe packaging requirements	Palletized
Where will this item be shipped?	Bainbridge Island Washington

Additional Comments

Is there other information you would like to include?	<p>Washington, State of / Transportation, Washington Department of / Washington State Ferries Terminal Engineering</p> <p>I. THE GEAR MOTOR AND REDUCER PACKAGE. INCLUDING MOTOR MOUNTING BRACKET. SHALL BE DELIVERED AS A COMPLETE UNIT BY ONE GEAR REDUCER MANUFACTURER. DESIGN DETAILS SHOWN WITHIN THIS DRAWING PACKAGE HAVE BEEN DEVELOPED BASED ON THE SUGGESTED GEAR REDUCER PRODUCTS LISTED ABOVE. THE CONTRACTOR MAY PROPOSE OTHER GEAR REDUCER PACKAGES BUT MUST REVISE ANY DESIGN DETAILS SHOWN TO MATCH THEIR PROPOSED DESIGN.</p>
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