

COUNTY OF ROCKLAND
Department of General Services
Purchasing Division

Contract Award Notification

Title: **Gear Reducers-Grove Gear or Equal**

Contract Period: August 31, 2016 through August 30, 2017 with 2 one-year options,
Extended through 8/30/18 with a one-year option,
Extended through 8/30/19

Original Date of Issue: August 31, 2016

Date of Revision: **7/13/18**

BID No: **RFB-RC-2016-072**

Catalog: **WASTEWATER**

Authorized Users: County Agencies, Political Subdivisions

Address Inquires To:

Name: Ann Marie Curley, CPPB
Title: Assistant Director of Purchasing
Phone: 845-364-3698
Fax: 845-364-3809
E-mail: curleya@co.rockland.ny.us

Description

This contract is to provide Grove gear reducers.

Contract #	Vendor Number	Contractor & Address	Telephone No.
BID 16-072	0000023766	Midway Industrial Supply 280 Little Britain Road Newburgh, NY 12550 Contact: Gary Devine Email : gdevine@midway.ws	845-787-1170 FAX: 845-787-1079

COUNTY OF ROCKLAND
DGS – PURCHASING DEPARTMENT
BLDG. A, 2ND FLOOR, 50 SANATORIUM ROAD
POMONA, NY 10970
TELEPHONE NO.: 845-364-3820
FAX NO.: 845-364-3809

VENDOR: _Midway Industrial Supply

LINE NO.	DESCRIPTION	ITEM NUMBER	EST. QTY.	UNIT	UNIT PRICE	EXTENDED PRICE	BRAND NAME AND PRODUCT CODE
1	Gear Reducers as specified. Falk 1425WBW2A-1000, DTMQ240-1000-2 Grove Gear or approved equal.	76554000001	2	EA	\$1,424.25	\$2,848.50	Grove Gear
2	Gear Reducers as specified. Falk 1425WBW2A-400, DTMQ242-400-2 Grove Gear or approved equal.	76554000002	2	EA	\$1,424.25	\$2,848.50	Grove Gear
3	Days to complete order after receipt of Purchase Order			DAYS	10		
4	Guarantee / Warranty			YEARS	1		

COUNTY OF ROCKLAND - DGS-PURCHASING
 BLDG. A., 2ND FLOOR, 50 SANATORIUM RD, POMONA, NY 10970
 TELEPHONE: 845-364-3820 / TELEFAX: 845-364-3809

TITLE: GEAR REDUCERS –GROVE GEAR OR EQUAL**BID NUMBER: RFB-RC-2016-072**

SPECIFICATIONS

1. SCOPE

- 1.1. Furnish pricing for specified gear reducers for the Rockland County Sewer District # 1 and the County of Rockland. This pricing must remain in effect for one year from the date of award. Items will be purchased on an as needed basis. Reducers are to be Falk 1425WBW2A units as specified or approved equal.

2. MODELS

- 2.1. Falk 1425WBW2A - 1000 Omnibox Worm Reducers, DTMQ240-1000-2 Grove Gear or approved equal
 Type WB, WM, ASSY.2 without feet
 Est. Quantity - 3
 Solid Shaft 1/P & O/P
 Double reduction
 1.75 RPM output
 Size: # 425 – Ratio 1000 : 1
 For outdoor service
 Compl. With C-Face motor (not to be included in this bid)
 ¾ HP Motor
- 2.2. Falk 1425WBW2A - 400 Omnibox Worm Reducers, DTMQ242-400-2 Grove Gear or approved equal
 Type WBWM
 Est. Quantity – 3
 400:1 Ratio Omnibox Double
 Solid Shaft 1/P & O/P
 Double reduction
 Size: # 425 – Ratio 400 : 1
 4.38 RPM output.
 Assembly 2 without feet
 For outdoor service
 Compl. With C-Face motor (not to be included in this bid)
 ½ HP Motor

3. GENERAL REQUIREMENTS

- 3.1. Units must have C-Face Motor Mounts.
- 3.2. **This bid does not include the motor. Do not include the motor in your pricing.**
- 3.3. The quantities listed are estimates. Actual quantities purchased may be more or less than the estimates.
- 3.4. The Gear Reducers are part of an engineered system and require exact replacements (no adapters) due to mounting configurations.
- 3.5. **Manufacturer's Description And Specifications**
 - 3.5.1. All Bidders shall submit manufacturer's product description and specifications with bid.

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TITLE: GEAR REDUCERS –GROVE GEAR OR EQUAL**BID NUMBER: RFB-RC-2016-072****3.6. Product Differences**

3.6.1. All Bidders shall submit an item by item listing and explanation of any differences between their product specifications and the listed bid specifications, drawings and requirements.

3.7. Product Warranties

3.7.1. All Bidders must include all product and service warranties with their bids.

3.8. Approved Equal or Equivalent Products

3.8.1. Bidders shall submit Manufacturer's product description and specifications.

3.8.2. Bidders shall list five entities currently using the product with like equipment (see certificate of Experience page in the bid package).

3.8.3. Bidder must guarantee in writing and submit with their bid the interconnectibility of item bid with existing equipment in the Rockland County Sewer District #1.

4. SITE VISIT

4.1. Contact Mr. Josue Thomas of the Rockland County Sewer District #1 at 845-365-6111 to arrange a site visit.

5. DETAILED SPECIFICATIONS

MINIMUM SPECIFICATIONS	BIDDER TO NOTE AS SPECIFIED OR LIST ALTERNATIVE SPECIFICATIONS
Gear Reducers 1000:1 Ratio as specified. Falk 1425WBW2A-1000, DTMQ240-1000-2 Grove Gear or approved equal.	
Gear Reducers 400:1 Ratio as specified. Falk 1425WBW2A-400, DTMQ242-400-2 Grove Gear or approved equal.	
Drive: Drive shall be a right angle single enveloping worm gear design with available center distances of 1.33" to 10".	
Speed reduction shall be accomplished through use of a single stage worm drive, double reduction helical-worm drive, or double/triple reduction worm-worm drive.	
Housing – Drive housing shall be close grain cast iron	
End Covers / seal cages shall be cast or sintered Iron and shall be bolted on	
Unit to have O-Rings to provide leak-proof joint and greater re-usability.	

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TITLE: GEAR REDUCERS –GROVE GEAR OR EQUAL**BID NUMBER: RFB-RC-2016-072**

MINIMUM SPECIFICATIONS	BIDDER TO NOTE AS SPECIFIED OR LIST ALTERNATIVE SPECIFICATIONS
Ratings: Gear Drives shall be rated to AGMA 6034-A87.	
Thermal Ratings: Shall be calculated for continuous operation per AGMA standards based on a maximum sump temperature of 200°F an ambient temperature of 100°F.	
Bearing Ratings: Shall be based on 5,000 hours minimum L10 life for worst conditions of loading at a service factor of 1.0.	
Gearing: Worn Gear shall be AGMA Class 8 chill cast bronze. The worm shaft shall be cut, carbonized, finished ground and polished. (Rolled worms are not acceptable).	
Bearings: Bearings shall be ball, tapered roller or spherical roller type. Drive manufacturer shall provide commercial bearing numbers for all bearings. All bearings shall be readily available from commercial bearing suppliers.	
Seals: Shaft extensions shall be sealed with dual lip type fluoroelastomer (Vitron O) seals. Drive manufacturer shall provide commercial seal numbers for all seals. All seals shall be readily available from commercial seal suppliers.	
Lubrication: Gearing, bearings and seals shall be splash or dip lubricated, except in some vertical shaft arrangements, where grease – lubricated bearings may be required. Drives up to and including 6” center distance drives shall be shipped filled with AGMA type 8C oil and shall be provided with an internal baffle to prevent splash leakage at the air vent.	
Cooling: Single reduction drive sized 6.00” center distance and larger shall be provided with a shaft-driven cooling fan.	

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TITLE: GEAR REDUCERS –GROVE GEAR OR EQUAL**BID NUMBER: RFB-RC-2016-072****MINIMUM SPECIFICATIONS**

Accessories As Required:
Auxiliary components shall be provided for use with basic drives for mounting versatility. Such components shall include horizontal and vertical mounting feet, C-flange motor adapters with couplings, tie rods, hollow output bushings, output flanges, and riser blocks. Components shall be of cast iron and fabricated steel construction.

**BIDDER TO NOTE AS SPECIFIED OR LIST
ALTERNATIVE SPECIFICATIONS****6. AWARD**

- 6.1. Bid will be awarded to the lowest responsible bidder who meets the requirements on a line by line basis. Quantities listed are estimates; actual quantities ordered may be more or less than the estimated quantities.