

COUNTY OF ROCKLAND  
Department of General Services  
**Purchasing Division**

# Contract Award Notification

**Title:** **Motors-Replacement Motors for Centrifuges-90kw & 15kw**

**Contract Period:** July 22, 2023 through July 21, 2024 w/4-1-year options

**Original Date of Issue:** 06/06/23

**Date of Revision:**

**BID No:** **RFB-RC-2023-047**

**Catalog:** **Wastewater Treatment**

**Authorized Users:** County Agencies, All Political Subdivisions

**Address Inquiries To:**

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**Description**

This contract is to replace 90kw and 15kw Motors for Centrifuges

Contract #	Vendor Number	Contractor & Address	Telephone No.
BID 23-047	0000027940	Norfolk Bearings & Supply Co Inc. 3512 E. Princess Anne Rd Norfolk, VA 23502 Contact: Christopher Sturges chris@norfolkbearings.com	757-853-3691  <b>FAX:</b> 757-853-1233

COUNTY OF ROCKLAND  
 DGS – PURCHASING DEPARTMENT  
 BLDG. A, 6th FLOOR, 50 SANATORIUM ROAD  
 POMONA, NY 10970  
 TELEPHONE NO.: 845-364-3820  
 FAX NO.: 845-364-3809

VENDOR: Norfolk Bearings

LINE NO.	DESCRIPTION	ITEM NUMBER	EST. QTY.	UNIT	UNIT PRICE	MFG. (Mandatory Field)	MODEL # (Mandatory Field)
1	Furnish and Deliver - Motor - Mfg. Siemens (Loher) 1LE1523-1DB49-0VB4-Z, ABB 3GBP 281 230-BDK - Calc. ref. 3GZF021028-120 or Brook Compton BC2M125-9 90KW as specified or approved equal. Bidder shall complete the minimum specification section of this RFB. Failure to do so may deem the proposal non-responsive.	28570000001	1	Each	\$ 15,500.00	Brook Compton	BC2M125-9
2	Furnish and Deliver - Motor - Mfg. Siemens (Loher) 1LE1523-2DA23-4FC4-Z or Brook Compton BC4M020V4 15KW as specified or approved equal. Bidder shall complete the minimum specification section of this RFB. Failure to do so may deem the proposal non-responsive.	28570000002	1	Each	\$ 5,200.00	Brook Compton	BC4M020V4
3	<b>Delivery time ARO</b>				<b>2 weeks ARO</b>		

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## PURCHASES BY OTHER

### LOCAL GOVERNMENTS, SCHOOL DISTRICTS, AND NON PROFIT AGENCIES

As per the New York State General Municipal Law, all political subdivisions of New York State are allowed to make purchases through the resulting contract(s). As per Rockland County Procurement Policy, Non Profit Agencies approved to participate in New York State's Contract Extension Program are authorized to make purchases through the resulting contract(s).

1. The County of Rockland shall make all contract award information available to other political subdivisions and non profit agencies through our website: [www.rcpurchasing.com](http://www.rcpurchasing.com)
2. Any other political subdivision or Rockland County non profit agency will issue purchase orders directly to vendors within the specified contract period referencing the County's contract and shall be liable for any payments due on such purchase orders; and shall accept sole responsibility for any payment due.
3. All purchases shall be subject to audit and inspection by the other political subdivisions and Rockland County non profit agencies for which the purchase was made.
4. No officer, board or agency of a county, town, village, or school district shall make any purchase through the County when bids have been received for such purchase by such officer, board or agency, unless such purchase may be made upon the same terms, conditions and specifications at a lower price through the County.
5. All Bidders shall be on notice that as a condition of the award of a County contract, the successful bidder shall accept the award of a similar contract with any other political subdivision in New York State and Rockland County non profit agencies authorized to use New York State's contracts, if called upon to do so. A listing of approved Rockland County non profit agencies is available on the Purchasing Division's website at [www.rcpurchasing.com](http://www.rcpurchasing.com). The County, however, will not be responsible for any debts incurred by the participants pursuant to this or any other agreement.
6. Necessary deviations from the County's specifications in the award of a participant contract, whether such deviations relate to quantities, or delivery points shall be resolved between the successful bidder and the other political subdivisions and Rockland County non profit agencies.

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## **SPECIFICATIONS**

### **1. SCOPE**

- 1.1. This bid is to establish firm fixed price to furnish and deliver new inverter duty 90KW and 15KW Lohr motors as specified or equal. Motors provided shall meet or exceed the minimum specifications outlined in this RFB.
- 1.2. Failure to complete the minimum specification section may deem your bid non-responsive.
- 1.3. Unit pricing submitted shall be valid for a one (1) year term with 2-1-year options. Renewal terms will be of mutual consent of the vendor and the County.
  - 1.3.1. Unit pricing provided shall be to furnish and deliver, FOB Destination-Orangeburg, NY 10965.

### **2. GENERAL**

- 2.1. The motors that are specified are replacements for existing Centrifuge units located at the Rockland County Sewer District#1 plant in Orangeburg, NY. The District has three **Model CA505** Centrifuges that were manufactured by Westfalia Separator Inc.
  - 2.1.1. CA-505-00-32 - **SN: 8000-565**
  - 2.1.2. CA-505-00-32 – **SN: 8000-566**
  - 2.1.3. CA-505-00-32 – **SN: 8000-567**
- 2.2. The replacement units must have the same physical and material composition to be compatible with the existing system. Bidders are encouraged to visit the site. Site visits can be arranged by calling Mr. Josue Thomas at (845) 365-6495. Bidder shall furnish the units as specified whether or not they visit the site.
- 2.3. Bidder shall provide three (3) references where offered product is currently being used. The Certification of Experience shall be uploaded with the bid response. Failure to comply may result in the bid being deemed non-responsive and removed from consideration for award.

### **3. BRAND NAME**

- 3.1. The use of a brand name is for the purpose of describing a standard of quality, performance and characteristics desired and is not intended to limit or restrict competition.

### **4. APPROVED EQUAL OR EQUIVALENT PRODUCTS**

- 4.1. Bidders shall submit an item listing and explanation of any differences between their products specifications and performance and the listed bid specifications. Product and service warranties must be included with bid.
- 4.2. If bidders submit or bid for equivalent or approved equal products, they must submit manufacturer's product description and specifications. These specifications must include all items listed in the bid specifications.
- 4.3. Bidder must be able to demonstrate within one week after notice and guarantee in writing that any substitution item bid is acceptable for use with the chiller.

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## 5. QUANTITIES

5.1. Quantities are estimated and may be more or less depending on the need of the RCSD#1.

## 6. DELIVERY

6.1. All deliveries shall be made to RCSD#1 plant located at 4 Rt. 340, Orangeburg, NY 10965 between the hours of 8:00 Am and 4:30 PM, Monday through Friday excluding holidays. The bidder shall state available delivery date ARO with the bid.

## 7. AWARD

7.1. Bid shall be awarded to the lowest responsive responsible bidder meeting all our specifications.

## 8. MINIMUM SPECIFICATIONS

8.1. The existing centrifuges are equipped with Variable Frequency Drives for the 90kw and 15kw motors. The motors being requested must be inverter ready. The tables contain the datasheet (MINIMUM SPECIFICATIONS) for both the 90Kw and 15Kw motors being requested. Vendor shall indicate "comply" or list alternate accordingly. Failure to complete and upload this information may render your bid submittal non-responsive. The Minimum Specification Tables are included as a separate attachment.

## 9. PRICE ADJUSTMENT

The County recognizes this product or service has a price component that may have a commodity with changing costs. The Contractor/Supplier may request a Price Adjustment no more frequently than once each quarter (3-month period).

A Price Adjustment request must be made in writing and include the reason for the request, documentation supporting the request (ie, commodity increases), the current pricing, and the requested revised pricing.

The County will review the Price Adjustment request. If the Price Adjustment is deemed reasonable the Price Adjustment request will be accepted by written acknowledgement. If the request is not accepted the County may entirely reject the request or may counter with revised pricing. In either case the County will provide a written explanation in support of the decision.

The Director of Purchasing may use available indexes (e.g. CPI or PPI) to determine if the requested Price Adjustment is reasonable. Typically, a Price Adjustment that exceeds 5% will not be approved unless very unusual and significant changes have occurred in the industry.

In the event industry costs decline, the County shall have the right to receive, from the Contractor, a reasonable reduction in prices/pricing that reflect such cost changes in the industry. The County will make a written request to the Contractor for a Price Adjustment in writing with supporting documentation.



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<i>MINIMUM SPECIFICATIONS FOR 15KW MOTOR</i>	BIDDER TO NOTE COMPLY OR LIST ALTERNATIVE SPECIFICATION
<b>BIDDERS NAME</b> Norfolk Bearings & Supply Co., Inc.	Norfolk Bearings & Supply Co., Inc.
Manufacturer: Siemens	Mfr: Brook Compton
Type: ICV3164B	Comply
IEC Size: 160L	Comply
Mounting Design: IM B8	Comply
Type of Enclosure: IP 55	Comply
Part No. ILE1523-IDB49-OVB4-Z B02+B60+H07+L00+M1Y+504	Comply
Rated Voltage: 265V	Comply
Frequency: 50 Hz	Comply
Rated Output: 15 KW	Comply
Rated current: 43	Comply
Rated speed: 1450 min-1	Comply
Starting Current (IA/IN): 9.5 %	Comply
Insulation Class: F	Comply
Starting Torque (MA/MN): 215 %	Comply
Starting: FU	Comply
Break down torq. (MK/MN): 4.3 %	Comply
Duty type: S1	Comply
Connection during Start: D	Comply
Power Factor: 1/2: 0.64 ¾: 0.75 1/1 0.81	Comply



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***MINIMUM SPECIFICATIONS FOR 15KW MOTOR***

**BIDDER TO NOTE COMPLY OR LIST ALTERNATIVE SPECIFICATION**

***BIDDERS NAME***

Norfolk Bearings & Supply Co., Inc.

Efficiency:  
 1/2: 91.4 ¾: 92.8 1/1: 93.0

Comply

Motor Protection:  
 PTC Thermistor 3, Full protection

Comply

Drawing No: 1LE1523-1DB49-OVB4-Z

Comply

Ambient Temperature: 40 °C

Comply

Sound Pressure level: 69 dB(A)

Comply

Vibration severity grade: B

Comply

Shaft Dimensions:  
 D: 42 (45 w/key)  
 E: 110

Comply

Position of terminal box: Top

Comply

Method of cooling: surface cooling

Comply

Rotation: both clockwise/counterclockwise

Comply

Bearings: 62092ZC3/62092ZC3

Comply

Lubrication:  
 Permanent lubrication

Comply

Type of Grease:  
 ESSO UNIREX N3 (no regreasing)

Comply



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<i>MINIMUM SPECIFICATIONS FOR 90KW MOTOR</i>	BIDDER TO NOTE COMPLY OR LIST ALTERNATIVE SPECIFICATION
<b>BIDDERS NAME</b>	Norfolk Bearings & Supply Co., Inc.
Manufacturer: Siemens	Mfr: Brook Compton
Type: ICV3282A	Comply
IEC-Size: 280M	Comply
Mounting design: IM B5	Comply
Type of enclosure: IP55	Comply
Part No: ILE1523-2DA23-4FC4-Z B02+B60+F77+H07+504+Y61	Comply
Rated voltage: 460 DV	Comply
Frequency: 60 Hz	Comply
Rated output: 90 KW	Comply
Rated current: 132	Comply
Rated speed: 3580 min-1	Comply
Starting current (IA/IN): 8.1	Comply
Insulation class: F	Comply
starting torque (MA/MN): 2.7	Comply
Starting: S / D	Comply
Break down torq (MK/MN): 3.3	Comply
duty type: S1	Comply
Connection during start: S	Comply
Motor Protection: PATC Thermistor Qty: 6	Comply



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***MINIMUM SPECIFICATIONS FOR 90KW MOTOR***

**BIDDER TO NOTE COMPLY OR LIST ALTERNATIVE SPECIFICATION**

***BIDDERS NAME***

**Norfolk Bearings & Supply Co., Inc.**

Drawing No: 1LE1523-2DA23-4FC4-Z

**Comply**

Ambient temperature: 40 C

**Comply**

Sound pressure level: 70 dB(A)

**Comply**

Vibration severity grade: S

**Comply**

Shaft dimensions:

D: 65 mm

E: 140 mm

**Comply**

Flange dimensions:

P: 550 mm

N: 450 mm

**Comply**

Position of terminal box: Left

**Comply**

Method of cooling: Surface cooling

**Comply**

Rotation: Clockwise facing OPP drive end CCW facing drive end

**Comply**

Bearings:

AS: 6315C3

BS: 6315C3

**Comply**

Lubrication: Relubrication

Type of grease: ESSO Unirex

Grease quantity: 25 g

Relubrication: 4000h

**Comply**