

COUNTY OF ROCKLAND
Department of General Services
Purchasing Division

Contract Award Notification

Title: **Motors-Replacement Motors for Centrifuges-90kw & 15kw**
Contract Period: July 22, 2021 through July 21, 2022 w/2-1-year options
Original Date of Issue: July 21, 2021
Date of Revision: 03/23/22
BID No: RFB-RC-2021-066
Catalog: Wastewater Treatment
Authorized Users: County Agencies, All Political Subdivisions

Address Inquiries 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 replace 90kw and 15kw Motors for Centrifuges

Contract #	Vendor Number	Contractor & Address	Telephone No.
BID 21-066	0000012818	Applied Industrial Technologies Inc. 6 Enterprise Dr. Albany, NY 12204 Contact: Jason Vasquez 2341@applied.com	518-427-5800 FAX: 518-427-6314

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: Applied Industrial

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 as accepted 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	\$13,500.00	<p>ABB</p> <p>as accepted</p>	<p>3GBP 281 230-BDK - Calc. ref.</p> <p>3GZF021028-120</p>
2	Furnish and Deliver - Motor - Mfg. Siemens (Loher) 1LE1523-1DB49-0VB4-Z 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	\$4,917.00	<p>siemens</p>	<p>1LE1523-1DB49-0VB4-Z</p>

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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
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. 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 Loher 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.

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

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<i>MINIMUM SPECIFICATIONS FOR 15KW MOTOR</i>	BIDDER TO NOTE COMPLY OR LIST ALTERNATIVE SPECIFICATION
<i>BIDDERS NAME</i> Applied Industrial Technologies	Applied Industrial Technologies
Power Factor: 1/2: 0.64 ¾: 0.75 1/1: 0.81	
Efficiency: 1/2: 91.4 ¾: 92.8 1/1: 93.0	
Motor Protection: PTC Thermistor 3, Full protection	
Drawing No: 1LE1523-1DB49-OVB4-Z	
Ambient Temperature: 40 °C	
Sound Pressure level: 69 dB(A)	
Vibration severity grade: B	
Shaft Dimensions: D: 42 (45 w/key) E: 110	
Position of terminal box: Top	
Method of cooling: surface cooling	
Rotation: both clockwise/counterclockwise	
Bearings: 62092ZC3/62092ZC3	
Lubrication: Permanent lubrication	
Type of Grease: ESSO UNIREX N3 (no regreasing)	

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<i>MINIMUM SPECIFICATIONS FOR 90KW MOTOR</i>	BIDDER TO NOTE COMPLY OR LIST ALTERNATIVE SPECIFICATION
BIDDERS NAME Applied Industrial Technologies	Applied Industrial Technologies
Manufacturer: Siemens	ABB
Type: ICV3282A	M3BP 280SMC 2
IEC-Size: 280M	280M
Mounting design: IM B5	IM B5
Type of enclosure: IP55	IP55
Part No: ILE1523-2DA23-4FC4-Z B02+B60+F77+H07+504+Y61	3GBP 281 230-BDK - Calc. ref.3GZF021028-120
Rated voltage: 460 DV	460 DV
Frequency: 60 Hz	60 Hz
Rated output: 90 KW	90 K W
Rated current: 132	133
Rated speed: 3580 min-1	3582 min-l
Starting current (IA/IN): 8.1	9
Insulation class: F	F/B
starting torque (MA/MN): 2.7	3.4
Starting: S / D	S/D
Break down torq (MK/MN): 3.3	3.4
duty type: S1	S1
Connection during start: S	S

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MINIMUM SPECIFICATIONS FOR 90KW MOTOR	BIDDER TO NOTE COMPLY OR LIST ALTERNATIVE SPECIFICATION
BIDDERS NAME Applied Industrial Technologies	Applied Industrial Technologies
Motor Protection: PATC Thermistor Qty: 6	6
Drawing No: 1LE1523-2DA23-4FC4-Z	3GBP 281 230-BDK - Calc. ref.3GZF021028-120
Ambient temperature: 40 C	40 C
Sound pressure level: 70 dB(A)	80 dB(A)
Vibration severity grade: S	S
Shaft dimensions: D: 65 mm E: 140 mm	D: 65mm E: 140mm
Flange dimensions: P: 550 mm N: 450 mm	P:550mm N: 450mm
Position of terminal box: Left	Top
Method of cooling: Surface cooling	Surface Cooling
Rotation: Clockwise facing OPP drive end CCW facing drive end	Clockwise facing OPP drive end CCW facing drive end
Bearings: AS: 6315C3 BS: 6315C3	6316/C3 - 6316/C3
Lubrication: Relubrication Type of grease: ESSO Unirex Grease quantity: 25 g Relubrication: 4000h	Relubrication ESSO Unirex