

**SAN ANTONIO WATER SYSTEM**  
 P. O. BOX 2449  
 SAN ANTONIO, TEXAS 78298-2449  
**TABULATION OF BIDS**

San Antonio Armature Works, Inc.  
 1015 N. Colorado  
 San Antonio, TX 78207

PROPOSAL: Annual Contract for Electric Motor Repair  
 FOR: Small Motors (10-250 HP)  
 TIME & DATE: (June 1, 2020 through May 31, 2021)  
 3:00 p.m., May 20, 2020

ITEM NO. DESCRIPTION AND APPROXIMATE QUANTITY

**GROUP 1** Standard Small Motor Up to 10 to 250 HP and includes rewinding, reconditioning, machine-work, and tear-down, inspect and repair.

Item No.	Description	Quantity	Unit Price	UOM	Extended Price
1	Single-Phase, up to 10 HP Recondition Lawson 47300	1	207	Each	207
2	Single-Phase, up to 10 HP Rewind Lawson 47301	1	481	Each	481
3	Three-Phase, 10 HP Frame 215JM RPM 3505 ENCL TE Voltage 208/230/460 Recondition Lawson. 47302	1	354	Each	354
4	Three-Phase, 10 HP Frame 215TP RPM 1725 ENCL TE Voltage 230/460 Recondition Lawson 47303	1	354	Each	354
5	Three-Phase, 10 HP Frame 215JM RPM 3505 ENCL TE Voltage 208/230/460 Rewind Lawson 47304	1	643	Each	643
6	Three-Phase, 10 HP Frame 215TP RPM 1725 ENCL TE Voltage 230/460 Rewind Lawson 47305	1	584	Each	584
7	Three-Phase, 10 HP Frame 213 JPZ Voltage 460 Rewind Lawson 47306	1	584	Each	584
8	Three-Phase, 15 HP Frame 215TYZ Voltage 460 Recondition Lawson 47307	1	387	Each	387
9	Three-Phase, 15 HP Frame 254JM RPM 3450 ENCL TE Voltage 208/230/460 Rewind Lawson 47308	1	783	Each	783
10	Three-Phase, 20 HP Frame 256JM RPM 3525 ENCL TE Voltage 208/230/460 Recondition Lawson 47309	1	387	Each	387
11	Three-Phase, 20 HP Frame 256JM RPM 3525 ENCL TE Voltage 208/230/460 Rewind Lawson 47310	1	898	Each	898
12	Three-Phase, 20 HP Frame 256JM RPM 3500 ENCL TEFC Voltage Rewind Lawson47311	1	898	Each	898
13	Three-Phase, 25 HP Frame 256JM RPM 3500 ENCL OPSB Voltage 230/460 Recondition Lawson47312	1	355	Each	355
14	Three-Phase, 25 HP Frame 256JM RPM 3500 ENCL OPSB Voltage Rewind Lawson47313	1	852	Each	852
15	Three-Phase, 30 HP Frame 7011Z RPM 1790 ENCL Voltage 4160 Recondition Lawson47314	1	2231	Each	2231
16	Three-Phase, 30 HP Frame 7011Z RPM 1790 ENCL Voltage 4160 Rewind Lawson47315	1	8211	Each	8211
17	Three-Phase, 40 HP Frame 324TP RPM 1775 ENCL DP Voltage Recondition Lawson47316	1	926	Each	926
18	Three-Phase, 40 HP Frame 324TP RPM 1775 ENCL DP Voltage Rewind Lawson47317	1	1687	Each	1687
19	Three-Phase, 40 HP Frame 324TS RPM 1780 ENCL TE Voltage Rewind Lawson47318	1	1295	Each	1295
20	Three-Phase, 40 HP Frame 324T RPM 3530 ENCL DP Voltage Rewind Lawson47319	1	1186	Each	1186
21	Three-Phase, 50 HP Frame 326TP RPM 1775 ENCL WP1 Voltage 230/460 Recondition Lawson47320	1	926	Each	926
22	Three-Phase, 50 HP Frame 364TP RPM 1780 ENCL WP1 Voltage Recondition Lawson47321	1	1119	Each	1119

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ITEM NO. DESCRIPTION AND APPROXIMATE QUANTITY

23	Three-Phase, 50 HP Frame 326TP RPM 1765 ENCL WP1 Voltage WP1 Recondition Lawson47322	1	926	Each	926
24	Three-Phase, 50 HP Frame 326TP RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47323	1	1861	Each	1861
25	Three-Phase, 50 HP Frame 364TP RPM 1780 ENCL WP1 Voltage Rewind Lawson47324	1	1861	Each	1861
26	Three-Phase, 50 HP Frame 326TP RPM 1765 ENCL WP1 Voltage WP1 Rewind Lawson47325	1	1861	Each	1861
27	Three-Phase, 50 HP Frame 324JP RPM 3525 ENCL DP Voltage 230/460 Rewind Lawson47326	1	1575	Each	1575
28	Three-Phase, 50 HP Frame 324JP RPM 3525 ENCL DP Voltage 230/460 Recondition Lawson	1	926	Each	926
29	Three-Phase, 60 HP Frame B364TP RPM 1775 ENCL WP1 Recondition Lawson47327	1	1119	Each	1119
30	Three-Phase, 60 HP Frame B364TP RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47328	1	2143	Each	2143
31	Three-Phase, 60 HP Frame H445TP-28 RPM ENCL Voltage 230/460 Rewind Lawson47329	1	2591	Each	2591
32	Three-Phase, 75 HP Frame 365TP RPM 1775 ENCL WP1 Voltage 230/460 Recondition Lawson47330	1	1119	Each	1119
33	Three-Phase, 75 HP Frame 365TCZ RPM 3550 ENCL TEFC Voltage 230/460 Recondition Lawson47331	1	1114	Each	1114
34	Three-Phase, 75 HP Frame 365TP RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47332	1	2501	Each	2501
35	Three-Phase, 75 HP Frame 365TCZ RPM 3550 ENCL TEFC Voltage 230/460 Rewind Lawson47333	1	2537	Each	2537
36	Three-Phase, 75 HP Frame 365T RPM 1780 ENCL DP Voltage 230/460 Rewind Lawson47334	1	2309	Each	2309
37	Three-Phase, 75 HP Frame 365TP RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47335	1	2501	Each	2501
38	Three-Phase, 75 HP Frame 365TP RPM 1765 ENCL WP1 Voltage 230/460 Rewind Lawson47336	1	2501	Each	2501
39	Three-Phase, 75 HP Frame 365TS RPM 1775 ENCL DP Voltage 230/460 Rewind Lawson47337	1	2309	Each	2309
40	Three-Phase, 75 HP Frame 365T RPM 1775 ENCL TEFC Voltage 230/460 Rewind Lawson47338	1	2309	Each	2309

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ITEM NO.	DESCRIPTION AND APPROXIMATE QUANTITY				
41	Three-Phase, 100 HP Frame 444VP RPM 1190 ENCL TE Voltage 230/460 Recondition Lawson47339	1	1781	Each	1781
42	Three-Phase, 100 HP Frame 404TP RPM 1780 ENCL WP1 Voltage 230/460 Recondition Lawson473340	1	1487	Each	1487
43	Three-Phase, 100 HP Frame 404TP RPM 1780 ENCL WP1 Voltage 230/460 Recondition Lawson47341	1	1507	Each	1507
44	Three-Phase, 100 HP Frame 444VP RPM 1190 ENCL TE Voltage 230/460 Rewind Lawson47342	1	4491	Each	4491
45	Three-Phase, 100 HP Frame 404TP RPM 1780 ENCL WP1 Voltage 230/460 Rewind Lawson47343	1	3593	Each	3593
46	Three-Phase, 100 HP Frame 404TP RPM 1780 ENCL WP1 Voltage 230/460 Rewind Lawson47344	1	3593	Each	3593
47	Three-Phase, 125 HP Frame 405TP20 RPM 1770 ENCL WP1 Voltage 230/460 Recondition Lawson47345	1	1507	Each	1507
48	Three-Phase, 125 HP Frame 405TP RPM 1780 ENCL DP Voltage 230/460 Recondition Lawson47346	1	1507	Each	1507
49	Three-Phase, 125 HP Frame 404TC RPM 3565 ENCL ODP Voltage 230/460 Recondition Lawson47347	1	1275	Each	1275
50	Three-Phase, 125 HP Frame 404TCZ RPM 3565 ENCL ODP Voltage 230/460 Recondition Lawson47348	1	1275	Each	1275
51	Three-Phase, 125 HP Frame 445T RPM 1775 ENCL TEFC Voltage 230/460 Recondition Lawson47349	1	1781	Each	1781
52	Three-Phase, 125 HP Frame 404TCZ RPM 3565 ENCL DP Voltage 230/460 Recondition Lawson47350	1	1275	Each	1275
53	Three-Phase, 125 HP Frame 405TP20 RPM 1770 ENCL WP1 Voltage 230/460 Rewind Lawson47351	1	4146	Each	4146
54	Three-Phase, 150 HP Frame 444TP RPM 1775 ENCL WP1 Voltage 230/460 Recondition Lawson47352	1	1781	Each	1781
55	Three-Phase, 150 HP Frame 405TS RPM 3560 ENCL ODP Voltage 230/460 Recondition Lawson47353	1	1275	Each	1275
56	Three-Phase, 150 HP Frame 449T RPM 1188 ENCL TEFC Voltage 230/460 Recondition Lawson47354	1	2114	Each	2114
57	Three-Phase, 150 HP Frame 444TP RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47355	1	4883	Each	4883
58	Three-Phase, 150 HP Frame 405TS RPM 3560 ENCL ODP Voltage 230/460 Rewind Lawson47356	1	4077	Each	4077
59	Three-Phase, 150 HP Frame 449T RPM 1188 ENCL TEFC Voltage 230/460 Rewind Lawson47357	1	5515	Each	5515

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ITEM NO.	DESCRIPTION AND APPROXIMATE QUANTITY				
60	Three-Phase, 150 HP Frame 444TPA RPM 1775 ENCL RU Voltage 230/460 Rewind Lawson47358	1	4883	Each	4883
61	Three-Phase, 150 HP Frame 444TPT RPM 1775 ENCL RU Voltage 230/460 Rewind Lawson47359	1	4883	Each	4883
62	Three-Phase, 150 HP Frame 449VP RPM 890 ENCL TE Voltage 230/460 Rewind Lawson473560	1	4883	Each	4883
63	Three-Phase, 150 HP Frame 445TP RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47361	1	4883	Each	4883
64	Three-Phase, 150 HP Frame 444TPA RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47362	1	4883	Each	4883
65	Three-Phase, 200 HP Frame 445TP RPM 1775 ENCL WP1 Voltage 230/460 Recondition Lawson47363	1	1781	Each	1781
66	Three-Phase, 200 HP Frame 5810S RPM 1190 ENCL WP1 Voltage 230/460 Recondition Lawson47364	1	2982	Each	2982
67	Three-Phase, 200 HP Frame 5006 RPM 1785 ENCL WP1 Voltage 230/460 Recondition Lawson47365	1	2982	Each	2982
68	Three-Phase, 200 HP Frame 6326Y RPM 1800 ENCL DP Voltage 230/460 Recondition Lawson47366	1	2982	Each	2982
69	Three-Phase, 200 HP Frame 445TP RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47367	1	5978	Each	5978
70	Three-Phase, 200 HP Frame 5810S RPM 1190 ENCL WP1 Voltage 230/460 Rewind Lawson47368	1	6740	Each	6740
71	Three-Phase, 200 HP Frame 5006 RPM 1785 ENCL WP1 Voltage 230/460 Rewind Lawson47369	1	6740	Each	6740
72	Three-Phase, 200 HP Frame 6326Y RPM 1800 ENCL DP Voltage 230/460 Rewind Lawson47370	1	5257	Each	5257
73	Three-Phase, 200 HP Frame 449TZ RPM 1780 ENCL TEFC Voltage 230/460 Rewind Lawson47371	1	5697	Each	5697
74	Three-Phase, 200 HP Frame 445TP RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47372	1	5978	Each	5978
75	Three-Phase, 200 HP Frame 5008P RPM 1190 ENCL WP1 Voltage 230/460 Rewind Lawson47373	1	6940	Each	6940
76	Three-Phase, 200 HP Frame 5009S RPM 1185 ENCL WP1 Voltage 230/460 Rewind Lawson47374	1	5983	Each	5983

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77	Three-Phase, 200 HP Frame 5009S RPM 1185 ENCL WP1 Voltage 230/460 Recondition Lawson	1	2982	Each	2982
78	Three-Phase, 250 HP Frame 445TPA RPM 1775 ENCL WP1 Voltage 230/460 Recondition Lawson47375	1	1781	Each	1781
79	Three-Phase, 250 HP Frame 445T RPM 1780 ENCL DP Voltage 230/460 Recondition Lawson47376	1	1601	Each	1601
80	Three-Phase, 250 HP Frame 5008PH RPM 1780 ENCL DP Voltage 230/460 Recondition Lawson47377	1	2684	Each	2684
81	Three-Phase, 250 HP Frame 5007 RPM 1779 ENCL WP1 Voltage 230/460 Recondition Lawson47378	1	2982	Each	2982
82	Three-Phase, 250 HP Frame 445TPA RPM 1775 ENCL WP1 Voltage 230/460 Rewind Lawson47379	1	7023	Each	7023
83	Three-Phase, 250 HP Frame 445T RPM 1780 ENCL DP Voltage 230/460 Rewind Lawson47380	1	5564	Each	5564
84	Three-Phase, 250 HP Frame 5008PH RPM 1780 ENCL DP Voltage 230/460 Rewind Lawson47381	1	7520	Each	7520
85	Three-Phase, 250 HP Frame 5007 RPM 1779 ENCL WP1 Voltage 230/460 Rewind Lawson47382	1	6061	Each	6061
86	THREE PHASE 100 HP FRAME 405T RPM 1775 ENCL TEFC Voltage 460 REWIND LAWSON 47532	1	3288	Each	3288
87	THREE PHASE 100 HP FRAME 405T RPM 1775 ENCL TEFC Voltage 460 RECONDITION LAWSON 47533	1	1507	Each	1507
88	THREE PHASE 150 HP FRAME 445LP RPM 1785 ENCL TEFC Voltage 460 REWIND LAWSON 47570	1	4639	Each	4639
89	THREE PHASE 150 HP RPM 1785 ENCL TEFC RECONDITION 0 HP FRAME 445LP Voltage 460 LAWSON 47571	1	2114	Each	2114
90	THREE PHASE 40HP FRAME 324VP RPM 1770 ENCL DP REWIND Voltage 460 LAWSON 47665	1	1687	Each	1687
91	THREE PHASE 40HP FRAME 324VP RPM 1770 ENCL DP RECONDITION Voltage 460 LAWSON 47666	1	926	Each	926
92	THREE PHASE 200HP FRAMEH445TPA RPM 1775 ENCL WPI REWIND Voltage 460 LAWSON 47671	1	4883	Each	4883
93	THREE PHASE 200HP Voltage 460 FRAMEH445TPA RPM 1775 ENCL WPI RECONDITION LAWSON 47672	1	1781	Each	1781
94	THREE PHASE 100 HP FRAME 504P RPM 1765 ENCL DP Voltage 460 REWIND 47751	1	3593	Each	3593
95	THREE PHASE 100 HP FRAME 504P RPM 1765 ENCL DP Voltage 460 RECONDITION LAWSON 47752	1	1507	Each	1507
96	THREE PHASE 150HP FRM L445HP20 1190 RPM 460 VOLT REWIND LAWSON 47951	1	5515	Each	5515
97	THREE PHASE 150HP FRM L445HP20 1190 RPM 460 VOLT RECONDITION LAWSON 47952	1	2114	Each	2114
98	THREE PHASE 200HP FRM 5008VP 900 RPM 460 VOLT REWIND LAWSON 47999	1	8200	Each	8200

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ITEM NO.	DESCRIPTION AND APPROXIMATE QUANTITY				
99	THREE PHASE 200HP FRM 5008VP 900 RPM 460 VOLT RECONDITION LAWSON 48000	1	3493	Each	3493
100	THREE PHASE 150HP FRM L509TP20 1800 RPM 4160 VOLT REWIND LAWSON 48803	1	9568	Each	9568
101	THREE PHASE 150HP FRM L509TP20 1800 RPM 4160 VOLT RECONDITION LAWSON 48804	1	2751	Each	2751
102	THREE PHASE 200HP FRM 449T 1800 RPM 4160 VOLT RECONDITION LAWSON 49793	1	2751	Each	2751
103	THREE PHASE 200HP FRM 449T 1800 RPM 4160 VOLT REWIND LAWSON 49794	1	9568	Each	9568
104	THREE PHASE 20HP FRM 286T 1200 RPM 460 VOLT RECONDITION LAWSON 50192	1	384	Each	384
105	THREE PHASE 20HP FRM 286T 1200 RPM 460 VOLT REWIND LAWSON 50193	1	926	Each	926
106	THREE PHASE 250HP FRM 5007 1800 RPM 4160 VOLT RECONDITION LAWSON 50964	1	2955	Each	2955
107	THREE PHASE 250HP FRM 5007 1800 RPM 4160 VOLT REWIND LAWSON 50965	1	9850	Each	9850
<b>Sub Total Group 1</b>					<b>314927</b>

<b>GROUP 1</b>	<b>PURCHASE OR MANUFACTURED PARTS</b>		
a.	Estimated Annual Purchases \$50,000		50,000.00
b.	Add Cost Plus Mark Up %		20% 10,000.00
c.	Total (a+b)		60,000.00
	<b>Sub Total for Group 1</b>	TOTAL	60,000.00
<b>GROUP 1</b>	<b>SERVICE</b>	PRICE/HOUR	
1.	Est. 800 hrs In Shop Repair Labor	TOTAL	40.00 32,000.00
2.	Est. 200 hrs Field Service Labor	TOTAL	40.00 8,000.00
3.	Est. 200 hrs Machine Shop Labor	TOTAL	40.00 8,000.00
	<b>Sub Total for Group 1</b>		48,000.00
<b>GROUP 1</b>	<b>EMERGENCY SERVICE</b>	PRICE/HOUR	
1.	Est. 200 hrs Emergency Service (5 days or less)	TOTAL	60.00 12,000.00
	<b>Sub Total for Group 1</b>		12,000.00
<b>GROUP 1</b>	<b>TEAR DOWN AND INSPECTION REPORT</b>	UNIT PRICE	
1.	40 ea. Tear Down and Inspection Report (Small Electric Motors)	TOTAL	40.00 1,600.00

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	<b>Sub Total for Group 1</b>		1,600.00
<b>GROUP 1</b>	<b>REPLACEMENT MOTOR SMALL ELECTRIC MOTORS</b>		
a.	Estimated Annual Purchases \$50,000		50,000.00
b.	Add Cost Plus Mark Up %		10% 10,000.00
c.	Total (a+b)		60,000.00
	<b>Sub Total for Group 1</b>	TOTAL	60,000.00
	<b>GRAND TOTAL GROUP 1</b>		* <b>496,527.00</b>

**\*LOW BIDDER**

Terms Net 30 days

BID INVITATIONS MAILED TO AND/OR PICKED UP BY:

- Clifford Power
- D&R Electric Co.
- Davenport
- Evens
- Hamilton Electric
- Lonestar Armature
- Massengale
- Mikes Electric Motor Repair
- San Antonio Armature
- Shermeo
- Smith Pump
- Strategic Fleet Solutions
  
- SAWS Website

<b>EXTENSION 1</b>	<b>496,527.00</b>
<b>EXTENSION 2</b>	<b>496,527.00</b>
<b>EXTENSION 3</b>	<b>496,527.00</b>