

No.		Tag Number	Feeder Type	EQUIPMENT	MCC NAME	Type Of Starter	Unit	Absorbed Power (kw)	Rated Power (kw)	RATED FREQ.	Phase	Load Factor	Voltage (V)	Efficiency	COSEφ	Current (A)	Simultaneity Factor	Active Power with Simultaneity factor (kw)	Apparent Power (KVA)	Reactive Power with Simultaneity factor (KVAR)
1	1.9.1	P019-01	MOTOR	SUBMERS-PUMP	MCCL	SOFT STARTER	SUB- PUMP	88	110	50	3	0.80	400	92.0%	0.86	200.67	1	95.65	111.22	56.76
2	1.9.2	P019-02	MOTOR	SUBMERS-PUMP	MCCL	SOFT STARTER		88	110	50	3	0.80	400	92.0%	0.86	200.67	1	95.65	111.22	56.76
3	1.9.3	P019-03	MOTOR	SUBMERS-PUMP	MCCL	SOFT STARTER		88	110	50	3	0.80	400	92.0%	0.86	200.67	1	95.65	111.22	56.76
4	1.9.4	P019-04	MOTOR	SUBMERS-PUMP	MCCL	SOFT STARTER		88	110	50	3	0.80	400	92.0%	0.86	200.67	1	95.65	111.22	56.76
5	1.9.5	P019-05	MOTOR	SUBMERS-PUMP	MCCL	SOFT STARTER		88	110	50	3	0.80	400	92.0%	0.86	200.67	1	95.65	111.22	56.76
6	1.9.6	P019-06	MOTOR	SUBMERS-PUMP	MCCL	SOFT STARTER		88	110	50	3	0.80	400	92.0%	0.86	200.67	1	95.65	111.22	56.76
7	2.2.1	P022-01	MOTOR	SUBMERS-MIXER	MCCL	DOL	EQUALIZATION TANK	3.2	4	50	3	0.80	400	92.0%	0.86	7.30	1	3.48	4.04	2.06
8	2.2.2	P022-02	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	92.0%	0.86	7.30	1	3.48	4.04	2.06
9	2.2.3	P022-03	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	92.0%	0.86	7.30	1	3.48	4.04	2.06
10	2.2.4	P022-04	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	92.0%	0.86	7.30	1	3.48	4.04	2.06
11	2.2.5	P022-05	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	92.0%	0.86	7.30	0	0.00	0.00	0.00
12	2.2.6	P022-06	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	83.0%	0.82	8.48	1	3.86	4.70	2.69
13	2.2.7	P022-07	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	89.0%	0.80	8.11	1	3.60	4.49	2.70
14	2.2.8	P022-08	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	89.0%	0.80	8.11	1	3.60	4.49	2.70
15	2.2.9	P022-09	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	80.0%	0.82	8.80	1	4.00	4.88	2.79
16	2.2.10	P022-10	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	80.0%	0.82	8.80	1	4.00	4.88	2.79
17	2.2.11	P022-11	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	88.0%	0.83	7.90	1	3.64	4.38	2.44
18	2.2.12	P022-12	MOTOR	SUBMERS-MIXER	MCCL	DOL		3.2	4	50	3	0.80	400	88.0%	0.83	7.90	0	0.00	0.00	0.00
19	2.3.1	P023-01	MOTOR	SUBMERS-PUMP	MCCL	DRIVE		252	315	50	3	0.80	400	100.0%	0.75	606.22	1	252.00	336.00	222.24
20	2.3.2	P023-02	MOTOR	SUBMERS-PUMP	MCCL	DRIVE		252	315	50	3	0.80	400	90.0%	0.83	608.65	1	280.00	337.35	188.16
21	2.3.3	P023-03	MOTOR	SUBMERS-PUMP	MCCL	DRIVE		252	315	50	3	0.80	400	90.0%	0.83	608.65	0	0.00	0.00	0.00
22	2.3.4	P023-04	MOTOR	SUBMERS-PUMP	MCCL	DRIVE		252	315	50	3	0.80	400	83.0%	0.82	668.03	1	303.61	370.26	211.92
23	2.3.5	P023-05	MOTOR	SUBMERS-PUMP	MCCL	DRIVE		252	315	50	3	0.80	400	78.0%	0.81	719.63	1	323.08	398.86	233.90
24	2.3.6	P023-06	MOTOR	SUBMERS-PUMP	MCCL	DRIVE		252	315	50	3	0.80	400	100.0%	0.80	568.33	1	252.00	315.00	189.00
25	3.1.1	P031-01	MOTOR	FLASH MIXER	MCCL	SOFT STARTER	FLASH MIXER	12	15.0	50	3	0.80	400	78.0%	0.81	34.27	1	15.38	18.99	11.14
26	3.1.2	P031-02	MOTOR	FLASH MIXER	MCCL	SOFT STARTER		12	15.0	50	3	0.80	400	78.0%	0.81	34.27	0	0.00	0.00	0.00
27	3.1.3	P031-03	MOTOR	FLASH MIXER	MCCL	SOFT STARTER		12	15.0	50	3	0.80	400	77.0%	0.79	35.59	1	15.58	19.73	12.09
28	3.1.4	P031-04	MOTOR	FLASH MIXER	MCCL	SOFT STARTER		12	15.0	50	3	0.80	400	77.0%	0.79	35.59	0	0.00	0.00	0.00
29	4.1.1	P041-01	MOTOR	FLUCOLATOR	MCCL	DOL	FLUCOLATOR	1.76	2.2	50	3	0.80	400	89.0%	0.79	4.52	1	1.98	2.50	1.53
30	4.1.2	P041-02	MOTOR	FLUCOLATOR	MCCL	DOL		1.76	2.2	50	3	0.80	400	89.0%	0.79	4.52	0	0.00	0.00	0.00
31	4.1.3	P041-03	MOTOR	FLUCOLATOR	MCCL	DOL		1.76	2.2	50	3	0.80	400	80.0%	0.80	4.96	1	2.20	2.75	1.65
32	4.1.4	P041-04	MOTOR	FLUCOLATOR	MCCL	DOL		1.76	2.2	50	3	0.80	400	80.0%	0.82	4.84	1	2.20	2.68	1.54
33	4.1.5	P041-05	MOTOR	FLUCOLATOR	MCCL	DOL		1.76	2.2	50	3	0.80	400	89.0%	0.79	4.52	1	1.98	2.50	1.53

No.		Tag Number	Feeder Type	EQUIPMENT	MCC NAME	Type Of Starter	FLUCOLATI Unit	Absorbed Power (kw)	Rated Power (kw)	RATED FREQ.	Phase	Load Factor	Voltage (V)	Efficiency	COStp	Current (A)	Simultaneity Factor	Active Power with Simultaneity factor (kw)	Apparent Power (KVA)	Reactive Power with Simultaneity factor (KVAR)
34	4.1.6	P041-06	MOTOR	FLUCOLATOR	MCCL	DOL		1.76	2.2	50	3	0.80	400	89.0%	0.79	4.52	0	0.00	0.00	0.00
35	4.1.7	P041-07	MOTOR	FLUCOLATOR	MCCL	DOL		1.76	2.2	50	3	0.80	400	80.0%	0.80	4.96	1	2.20	2.75	1.65
36	4.1.8	P041-08	MOTOR	FLUCOLATOR	MCCL	DOL		1.76	2.2	50	3	0.80	400	80.0%	0.82	4.84	1	2.20	2.68	1.54

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37	5.2.1	P052-01	MOTOR	COMPERSOR	MCC1	DOL	DAF	12	15	50	3	0.80	400	80.0%	0.82	33.00	1	15.00	18.29	10.47	
38	5.2.2	P052-02	MOTOR	COMPERSOR	MCC1	DOL		12	15	50	3	0.80	400	80.0%	0.82	33.00	0	0.00	0.00	0.00	
39	5.2.3	P052-03	MOTOR	COMPERSOR	MCC1	DOL		12	15	50	3	0.80	400	80.0%	0.82	33.00	1	15.00	18.29	10.47	
40	5.3.1	P053-01	MOTOR	SKIMER	MCC1	DOL		0.6	0.75	50	3	0.80	400	80.0%	0.82	1.65	1	0.75	0.91	0.52	
41	5.3.2	P053-02	MOTOR	SKIMER	MCC1	DOL		0.6	0.75	50	3	0.80	400	80.0%	0.82	1.65	2	1.50	1.83	1.05	
42	5.3.3	P053-03	MOTOR	SKIMER	MCC1	DOL		0.6	0.75	50	3	0.80	400	80.0%	0.82	1.65	3	2.25	2.74	1.57	
43	5.3.4	P053-04	MOTOR	SKIMER	MCC1	DOL		0.6	0.75	50	3	0.80	400	80.0%	0.82	1.65	4	3.00	3.66	2.09	
44	5.4.1	P054-01	MOTOR	PUMP	MCC1	DOL		44	55	50	3	0.80	400	80.0%	0.82	121.01	0	0.00	0.00	0.00	
45	5.4.2	P054-02	MOTOR	PUMP	MCC1	DOL		44	55	50	3	0.80	400	89.0%	0.80	111.50	1	49.44	61.80	37.08	
46	5.4.3	P054-03	MOTOR	PUMP	MCC1	DOL		44	55	50	3	0.80	400	84.0%	0.83	113.86	1	52.38	63.11	35.20	
47	5.4.4	P054-04	MOTOR	PUMP	MCC1	DOL		44	55	50	3	0.80	400	84.0%	0.83	113.86	0	0.00	0.00	0.00	
48	5.5.1	P055-01	MOTOR	SUBMERS-PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	84.0%	0.83	2.28	0	0.00	0.00	0.00	
49	5.5.2	P055-02	MOTOR	SUBMERS-PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	84.0%	0.83	2.28	0	0.00	0.00	0.00	
50	5.5.3	P055-03	MOTOR	SUBMERS-PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	84.0%	0.83	2.28	0	0.00	0.00	0.00	
51	5.5.4	P055-04	MOTOR	SUBMERS-PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	84.0%	0.83	2.28	0	0.00	0.00	0.00	
52	6.1.1	P061-01	MOTOR	SUBMERS-PUMP	MCC2	DOL		SEDIMENTION 1	14.8	18.5	50	3	0.80	400	84.0%	0.83	38.90	1	17.62	21.23	11.84
53	6.1.2	P061-02	MOTOR	SUBMERS-PUMP	MCC2	DOL			14.8	18.5	50	3	0.80	400	84.0%	0.83	38.30	0	0.00	0.00	0.00
54	6.1.3	P061-03	MOTOR	SUBMERS-PUMP	MCC2	DOL	14.8		18.5	50	3	0.80	400	89.0%	0.81	37.04	1	16.63	20.53	12.04	
55	6.1.4	P061-04	MOTOR	SUBMERS-PUMP	MCC2	DOL	14.8		18.5	50	3	0.80	400	89.0%	0.81	37.04	0	0.00	0.00	0.00	
56	6.2.1	FEEDER	FEEDER	BRIDGE	MCC2	VFD	0.44		0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36	
57	6.2.2	FEEDER	FEEDER	BRIDGE	MCC2	VFD	0.44		0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36	
58	6.2.3	FEEDER	FEEDER	BRIDGE	MCC2	VFD	0.44		0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36	
59	6.2.4	FEEDER	FEEDER	BRIDGE	MCC2	VFD	0.44		0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36	
60	6.4.1	P064-01	MOTOR	PUMP	MCC2	SOFT STARTER	105.6		132	50	3	0.80	400	78.0%	0.81	301.56	1	135.38	167.14	98.02	
61	6.4.2	P064-02	MOTOR	PUMP	MCC2	SOFT STARTER	105.6		132	50	3	0.80	400	78.0%	0.81	301.56	1	135.38	167.14	98.02	
62	6.4.3	P064-03	MOTOR	PUMP	MCC2	SOFT STARTER	105.6	132	50	3	0.80	400	80.0%	0.82	290.44	1	132.00	160.98	92.14		
63	6.5.1	P065-01	MOTOR	PUMP	MCC2	DOL	SEDIMENTION 2	3.2	4	50	3	0.80	400	80.0%	0.82	8.80	0	0.00	0.00	0.00	
64	6.5.2	P065-02	MOTOR	PUMP	MCC2	DOL		3.2	4	50	3	0.80	400	89.0%	0.81	8.01	0	0.00	0.00	0.00	
65	6.5.3	P065-03	MOTOR	PUMP	MCC2	DOL		3.2	4	50	3	0.80	400	80.0%	0.82	8.80	0	0.00	0.00	0.00	
66	6.5.4	P065-04	MOTOR	PUMP	MCC2	DOL		3.2	4	50	3	0.80	400	89.0%	0.81	8.01	0	0.00	0.00	0.00	
67	6.6.1	F066-01	FEEDER	BRIDGE	MCC2	VFD		0.296	0.37	50	3	0.80	400	89.0%	0.81	0.74	1	0.33	0.41	0.24	
68	6.6.2	F066-02	FEEDER	BRIDGE	MCC2	VFD		0.296	0.37	50	3	0.80	400	89.0%	0.81	0.74	1	0.33	0.41	0.24	
69	6.6.3	F066-03	FEEDER	BRIDGE	MCC2	VFD		0.296	0.37	50	3	0.80	400	89.0%	0.81	0.74	1	0.33	0.41	0.24	
70	6.6.4	F066-04	FEEDER	BRIDGE	MCC2	VFD		0.296	0.37	50	3	0.80	400	89.0%	0.81	0.74	1	0.33	0.41	0.24	

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71	6.7.1	P067-01	MOTOR	COMPERSOR	MCC2	DOL	VF	8.8	11	50	3	0.80	400	89.0%	0.81	22.02	2	19.78	24.41	14.32
72	6.7.2	P067-02	MOTOR	COMPERSOR	MCC2	DOL		8.8	11	50	3	0.80	400	89.0%	0.81	22.02	3	29.66	36.62	21.48
73	7.1.1	P071-01	MOTOR	PUMP	MCC2	DRIVE		105.6	132	50	3	0.80	400	73.0%	0.81	322.21	1	144.66	178.59	104.73
74	7.1.2	P071-02	MOTOR	PUMP	MCC2	DRIVE		105.6	132	50	3	0.80	400	82.0%	0.82	283.35	1	128.78	157.05	89.89
75	7.1.3	P071-03	MOTOR	PUMP	MCC2	DRIVE		105.6	132	50	3	0.80	400	82.0%	0.82	283.35	1	128.78	157.05	89.89
76	7.1.4	P071-04	MOTOR	PUMP	MCC2	DRIVE		105.6	132	50	3	0.80	400	100.0%	0.80	238.16	1	105.60	132.00	79.20

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77	7.1.5	P071-05	MOTOR	PUMP	MCC2	DRIVE	DF	105.6	132	50	3	0.80	400	62.0%	0.54	569.07	0.5	85.16	157.71	132.74
78	7.1.6	P071-06	MOTOR	PUMP	MCC2	DRIVE		105.6	132	50	3	0.80	400	62.0%	0.54	569.07	0.5	85.16	157.71	132.74
79	7.2.1	P072-01	MOTOR	BLOWER	MCC2	DRIVE		60	75	50	3	0.80	400	62.0%	0.54	323.34	0.5	48.39	89.61	75.42
80	7.2.2	P072-02	MOTOR	BLOWER	MCC2	DRIVE		60	75	50	3	0.80	400	62.0%	0.54	323.34	0.5	48.39	89.61	75.42
81	7.2.3	P072-03	MOTOR	BLOWER	MCC2	DRIVE		60	75	50	3	0.80	400	62.0%	0.54	323.34	0.5	48.39	89.61	75.42
82	7.2.4	P072-04	MOTOR	BLOWER	MCC2	DRIVE		60	75	50	3	0.80	400	62.0%	0.54	323.34	0.5	48.39	89.61	75.42
83	8.1.1	P081-01	MOTOR	FEED PUMP	MCC1	DOL	FECL3 DOSING UNIT	3.2	4	50	3	0.80	400	90.0%	0.80	8.02	0.5	1.78	2.22	1.33
84	8.1.2	P081-02	MOTOR	FEED PUMP	MCC1	DOL		3.2	4	50	3	0.80	400	90.0%	0.80	8.02	0.5	1.78	2.22	1.33
85	8.2.1	P082-01	MOTOR	MIXER	MCC1	DOL		1.76	2.2	50	3	0.80	400	90.0%	0.80	4.41	0.5	0.98	1.22	0.73
86	8.2.2	P082-02	MOTOR	MIXER	MCC2	DOL		1.76	2.2	50	3	0.80	400	90.0%	0.80	4.41	0.5	0.98	1.22	0.73
87	8.3.1	P083-01	MOTOR	DOSING PUMP	MCC1	DOL		0.44	0.55	50	1	0.80	400	90.0%	0.80	1.10	0.5	0.24	0.31	0.18
88	8.3.2	P083-02	MOTOR	DOSING PUMP	MCC1	DOL		0.44	0.55	50	1	0.80	400	90.0%	0.80	1.10	0.5	0.24	0.31	0.18
89	8.3.3	P083-03	MOTOR	DOSING PUMP	MCC1	DOL		0.44	0.55	50	1	0.80	400	90.0%	0.80	1.10	0.5	0.24	0.31	0.18
90	8.3.4	P083-04	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	1	0.80	400	90.0%	0.80	2.21	0.5	0.49	0.61	0.37
91	8.3.5	P083-05	MOTOR	DOSING PUMP	MCC1	DOL	POLIMER DOSING	0.88	1.1	50	1	0.80	400	90.0%	0.80	2.21	0.5	0.49	0.61	0.37
92	8.3.6	P083-06	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	1	0.80	400	90.0%	0.80	2.21	0.5	0.49	0.61	0.37
93	8.3.7	P083-07	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	1	0.80	400	90.0%	0.80	2.21	0.5	0.49	0.61	0.37
94	8.3.8	P083-08	MOTOR	PRE FREASH	MCC1	DOL		0.88	1.1	50	1	0.80	400	90.0%	0.80	2.21	0.5	0.49	0.61	0.37
95	8.3.9	P083-09	MOTOR	PRE FREASH	MCC1	DOL		0.88	1.1	50	1	0.80	400	90.0%	0.80	2.21	0.5	0.49	0.61	0.37
96	8.3.10	P083-10	MOTOR	DOSING PUMP	MCC1	DOL		0.44	0.55	50	1	0.80	400	90.0%	0.80	1.10	0.5	0.24	0.31	0.18
97	8.3.11	P083-11	MOTOR	DOSING PUMP	MCC1	DOL		0.44	0.55	50	1	0.80	400	90.0%	0.80	1.10	0.5	0.24	0.31	0.18
98	8.4.1	P084-01	MOTOR	MIXER	MCC1	DOL		1.76	2.2	50	3	0.80	400	90.0%	0.80	4.41	0.5	0.98	1.22	0.73
99	8.5.1	P085-01	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	89.0%	0.80	2.23	0.5	0.49	0.62	0.37
100	8.5.2	P085-02	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	89.0%	0.54	3.30	0.5	0.49	0.92	0.77
101	8.7.1	P087-01	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	89.0%	0.54	3.30	0.5	0.49	0.92	0.77
102	8.7.2	P087-02	MOTOR	DOSING PUMP	MCC1	DOL	0.88	1.1	50	3	0.80	400	89.0%	0.54	3.30	0.5	0.49	0.92	0.77	
103	8.11.1	P0811-01	MOTOR	DOSING PUMP	MCC1	DOL	CHLORINATION FOR PRESEDIMENTON	0.88	1.1	50	3	0.80	400	89.0%	0.83	2.15	0.5	0.49	0.60	0.33
104	8.11.2	P0811-02	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	89.0%	0.83	2.15	0.5	0.49	0.60	0.33
105	8.11.3	P0811-03	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	89.0%	0.83	2.15	0.5	0.49	0.60	0.33
106	8.11.4	P0811-04	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	89.0%	0.83	2.15	0.5	0.49	0.60	0.33
107	8.11.5	P0811-05	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	92.0%	0.86	2.01	1	0.96	1.11	0.57
108	8.11.6	P0811-06	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	92.0%	0.86	2.01	1	0.96	1.11	0.57
109	8.11.7	P0811-07	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	92.0%	0.86	2.01	0	0.00	0.00	0.00
110	8.11.8	P0811-08	MOTOR	DOSING PUMP	MCC1	DOL		0.88	1.1	50	3	0.80	400	92.5%	0.86	2.00	1	0.95	1.11	0.56

No.		Tag Number	Feeder Type	EQUIPMENT	MCC NAME	Type Of Starter	Unit	Absorbed Power (kw)	Rated Power (kw)	RATED FREQ.	Phase	Load Factor	Voltage (V)	Efficiency	COSEφ	Current (A)	Simultaneity Factor	Active Power with Simultaneity factor (kw)	Apparent Power (KVA)	Reactive Power with Simultaneity factor (KVAR)
111	8.14.1	P0814-01	MOTOR	MIXER	MCCL	DOL	CHLORINAT ION DMF	1.76	2.2	50	3	0.80	400	92.5%	0.86	3.99	1	1.90	2.21	1.13
112	8.15.1	P0815-01	MOTOR	DOSING PUMP	MCCL	DOL		0.88	1.1	50	3	0.80	400	92.5%	0.86	2.00	1	0.95	1.11	0.56
113	8.15.2	P0815-02	MOTOR	DOSING PUMP	MCCL	DOL		0.88	1.1	50	3	0.80	400	92.5%	0.86	2.00	1	0.95	1.11	0.56
114	8.18.1	P0818-01	MOTOR	MIXER	MCCL	DOL	CHLORINATION FOR RO UNIT	1.76	2.2	50	3	0.80	400	92.5%	0.86	3.99	1	1.90	2.21	1.13
115	8.19.1	P0819-01	MOTOR	DOSING PUMP	MCCL	DOL		0.144	0.18	50	1	0.80	400	92.5%	0.86	0.33	1	0.16	0.18	0.09
116	8.19.2	P0819-02	MOTOR	DOSING PUMP	MCCL	DOL		0.144	0.18	50	1	0.80	400	92.5%	0.86	0.33	1	0.16	0.18	0.09
117	8.19.3	P0819-03	MOTOR	DOSING PUMP	MCCL	DOL		0.144	0.18	50	1	0.80	400	92.5%	0.86	0.33	1	0.16	0.18	0.09
118	8.19.4	P0819-04	MOTOR	DOSING PUMP	MCCL	DOL		0.144	0.18	50	1	0.80	400	92.5%	0.86	0.33	1	0.16	0.18	0.09

No.		Tag Number	Feeder Type	EQUIPMENT	MCC NAME	Type Of Starter	Unit	Absorbed Power (kw)	Rated Power (kw)	RATED FREQ.	Phase	Load Factor	Voltage (V)	Efficiency	COSEφ	Current (A)	Simultaneity Factor	Active Power with Simultaneity factor (kw)	Apparent Power (KVA)	Reactive Power with Simultaneity factor (KVAR)
								0.44	0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36
152	9.9.4	P099-04	PUMP	CIRCULATION	MCC4	DOL		0.44	0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36
153	9.9.5	P099-05	PUMP	CIRCULATION	MCC4	DOL		0.44	0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36
154	9.9.6	P099-06	PUMP	CIRCULATION	MCC4	DOL		0.44	0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36
155	9.9.7	P099-07	PUMP	CIRCULATION	MCC4	DOL		0.44	0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36
156	9.9.8	P099-08	PUMP	CIRCULATION	MCC4	DOL		0.44	0.55	50	3	0.80	400	89.0%	0.81	1.10	1	0.49	0.61	0.36
157	9.10.1	P0910-01	MOTOR	CHILER	MCC4	COMPACT SWITH		57.6	72	50	3	0.80	400	89.0%	0.80	145.96	1	64.72	80.90	48.54
158	9.10.2	P0910-02	MOTOR	CHILER	MCC4	COMPACT SWITH		57.6	72	50	3	0.80	400	89.0%	0.80	145.96	1	64.72	80.90	48.54
159	9.10.3	P0910-03	MOTOR	CHILER	MCC4	COMPACT SWITH		57.6	72	50	3	0.80	400	89.0%	0.80	145.96	1	64.72	80.90	48.54
160	9.10.4	P0910-04	MOTOR	CHILER	MCC4	COMPACT SWITH		57.6	72	50	3	0.80	400	89.0%	0.80	145.96	1	64.72	80.90	48.54
161	9.10.5	P0910-05	MOTOR	CHILER	MCC4	COMPACT SWITH		57.6	72	50	3	0.80	400	89.0%	0.80	145.96	1	64.72	80.90	48.54
162	9.10.6	P0910-06	MOTOR	CHILER	MCC4	COMPACT SWITH		57.6	72	50	3	0.80	400	89.0%	0.80	145.96	1	64.72	80.90	48.54
163	9.10.7	P0910-07	MOTOR	CHILER	MCC4	COMPACT SWITH		57.6	72	50	3	0.80	400	89.0%	0.80	145.96	1	64.72	80.90	48.54
164	9.10.8	P0910-08	MOTOR	CHILER	MCC4	COMPACT SWITH		57.6	72	50	3	0.80	400	89.0%	0.80	145.96	1	64.72	80.90	48.54

No.		Tag Number	Feeder Type	EQUIPMENT	MCC NAME	Type Of Starter	Unit	Absorbed Power (kw)	Rated Power (kw)	RATED FREQ.	Phase	Load Factor	Voltage (V)	Efficiency	COSEφ	Current (A)	Simultaneity Factor	Active Power with Simultaneity factor (kw)	Apparent Power (KVA)	Reactive Power with Simultaneity factor (KVAR)	
165	10.1.1	P101-01	BRIDGE	TICKNER	MCCS	DOL	DEWATERING	0.2	0.25	50	3	0.80	400	89.0%	0.87	0.47	1	0.22	0.26	0.13	
166	10.1.2	P101-02	BRIDGE	TICKNER	MCCS	DOL		0.2	0.25	50	3	0.80	400	89.0%	0.87	0.47	1	0.22	0.26	0.13	
167	10.2.1	P102-01	PUMP	PUMP	MCCS	DOL		0.2	0.25	50	3	0.80	400	89.0%	0.87	0.47	1	0.22	0.26	0.13	
168	10.2.2	P102-02	PUMP	PUMP	MCCS	DOL		0.2	0.25	50	3	0.80	400	89.0%	0.87	0.47	0	0.00	0.00	0.00	
169	10.7.1	P107-01	PUMP	PUMP	MCCS	DOL		12	15	50	3	0.80	400	89.0%	0.87	27.96	1	13.48	15.50	7.64	
170	10.7.2	P107-02	PUMP	PUMP	MCCS	DOL		12	15	50	3	0.80	400	89.0%	0.87	27.96	1	13.48	15.50	7.64	
171	10.3.1	P103-01	BELT FILTER	MOTOR	MCCS	DOL		0.88	1.1	50	3	0.80	400	89.0%	0.87	2.05	1	0.99	1.14	0.56	
172	10.3.2	P103-02	BELT FILTER	MOTOR	MCCS	DOL		0.88	1.1	50	3	0.80	400	89.0%	0.80	2.23	1	0.99	1.24	0.74	
173	10.4.1	P104-01	PUMP	MOTOR	MCCS	DOL		8.8	11	50	3	0.80	400	88.0%	0.83	21.74	1	10.00	12.05	6.72	
174	10.4.2	P104-02	PUMP	MOTOR	MCCS	DOL		8.8	11	50	3	0.80	400	77.0%	0.79	26.10	1	11.43	14.47	8.87	
175	10.5.1	P105-01	WASH WATER PUMP	MOTOR	MCCS	DOL		4.4	5.5	50	3	0.80	400	94.0%	0.87	9.71	1	4.68	5.38	2.65	
176	10.5.2	P105-02	WASH WATER PUMP	MOTOR	MCCS	DOL		4.4	5.5	50	3	0.80	400	94.0%	0.87	9.71	1	4.68	5.38	2.65	
177	10.6.1	P106-01	COMPERSOR	COMPERSOR	MCCS	DOL		1.76	2.2	50	3	0.80	400	94.0%	0.87	3.88	1	1.87	2.15	1.06	
178	10.6.2	P106-02	COMPERSOR	COMPERSOR	MCCS	DOL		1.76	2.2	50	3	0.80	400	94.0%	0.87	3.88	1	1.87	2.15	1.06	
179	11.1.1	P111-01	FEED PUMP	PUMP	MCCS	DRIVE		UF UNIT	128	160	50	3	0.80	400	94.0%	0.87	282.39	1	136.17	156.52	77.17
180	11.1.2	P111-02	FEED PUMP	PUMP	MCCS	DRIVE			128	160	50	3	0.80	400	94.0%	0.87	282.39	1	136.17	156.52	77.17
181	11.1.3	P111-03	FEED PUMP	PUMP	MCCS	DRIVE			128	160	50	3	0.80	400	94.0%	0.87	282.39	1	136.17	156.52	77.17
182	11.1.4	P111-04	FEED PUMP	PUMP	MCCS	DRIVE			128	160	50	3	0.80	400	94.0%	0.87	282.39	1	136.17	156.52	77.17
183	11.1.5	P111-05	FEED PUMP	PUMP	MCCS	DRIVE	128		160	50	3	0.80	400	100.0%	0.85	271.69	1	128.00	150.59	79.33	
184	11.3.1	P113-01	UF BACKWASH	PUMP	MCCS	DRIVE	105.6		132	50	3	0.80	400	73.0%	0.81	558.09	1	144.66	178.59	104.73	
185	11.3.2	P113-02	UF BACKWASH	PUMP	MCCS	DRIVE	105.6		132	50	3	0.80	400	73.0%	0.81	558.09	0	0.00	0.00	0.00	
186	11.3.3	P113-03	UF BACKWASH	PUMP	MCCS	DRIVE	105.6		132	50	3	0.80	400	73.0%	0.81	322.21	1	144.66	178.59	104.73	
187	11.4.1	P114-01	UF BLOWER	MOTOR	MCCS	DRIVE	60		75	50	3	0.80	400	73.0%	0.81	183.08	1	82.19	101.47	59.51	
188	11.4.2	P114-02	UF BLOWER	MOTOR	MCCS	DRIVE	60		75	50	3	0.80	400	73.0%	0.81	317.10	1	82.19	101.47	59.51	
189	11.6.1	P116-01	DOSING PUMP	MOTOR	MCCS	DOL	CEB-NaOCI	3.2	4	50	3	0.80	400	89.0%	0.81	13.87	0	0.00	0.00	0.00	
190	11.6.2	P116-02	DOSING PUMP	MOTOR	MCCS	DOL		3.2	4	50	3	0.80	400	89.0%	0.81	13.87	1	3.60	4.44	2.60	
191	11.6.3	P116-03	DOSING PUMP	MOTOR	MCCS	DOL		3.2	4	50	3	0.80	400	89.0%	0.81	13.87	1	3.60	4.44	2.60	
192	11.8.1	P118-01	DOSING PUMP	MOTOR	MCCS	DOL	CEB-NaOH	1.2	1.5	50	1	0.80	400	89.0%	0.81	5.20	1	1.35	1.66	0.98	
193	11.8.2	P118-02	DOSING PUMP	MOTOR	MCCS	DOL		1.2	1.5	50	1	0.80	400	89.0%	0.81	5.20	1	1.35	1.66	0.98	
194	11.8.3	P118-03	DOSING PUMP	MOTOR	MCCS	DOL		1.2	1.5	50	1	0.80	400	89.0%	0.81	5.20	1	1.35	1.66	0.98	
195	11.10.1	P1110-01	DOSING PUMP	MOTOR	MCCS	DOL	HCI-CEB	1.2	1.5	50	1	0.80	400	89.0%	0.81	5.20	0	0.00	0.00	0.00	
196	11.10.2	P1110-02	DOSING PUMP	MOTOR	MCCS	DOL		1.2	1.5	50	1	0.80	400	89.0%	0.81	5.20	0	0.00	0.00	0.00	
197	11.10.3	P1110-03	DOSING PUMP	MOTOR	MCCS	DOL		1.2	1.5	50	1	0.80	400	89.0%	0.81	5.20	0	0.00	0.00	0.00	
198	11.11.1	P1111-01	CIP PUMP	MOTOR	MCCS	SOFT STARTER		12	15	50	3	0.80	400	73.0%	0.81	63.42	0	0.00	0.00	0.00	

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								12	15	50	3	0.80	400	73.0%	0.81	63.42	0	0.00	0.00	0.00
199	11.11.2	P1111-02	CIP PUMP	MOTOR	MCCS	SOFT STARTER		12	15	50	3	0.80	400	73.0%	0.81	63.42	0	0.00	0.00	0.00
200	11.11.3	P1111-03	CIP PUMP	MOTOR	MCCS	SOFT STARTER		12	15	50	3	0.80	400	73.0%	0.81	110.29	0	0.00	0.00	0.00
201	11.13.1	HT1113	HEATER	HEATER	MCCS	DOL		12	12	50	3	1.00	400	73.0%	0.81	50.74	1	16.44	20.29	11.90
202	11.14.1	P1114-01	MOTOR	MIXER	MCCS	DOL	1.76	2.2	50	3	0.80	400	73.0%	0.81	9.30	1	2.41	2.98	1.75	

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203	12.3.1	P123-01	FEEDPUMP	MOTOR	MCC6	DRIVE	RC	88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
204	12.3.2	P123-02	FEEDPUMP	MOTOR	MCC5	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
205	12.3.3	P123-03	FEEDPUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
206	12.3.4	P123-04	FEEDPUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
207	12.3.5	P123-05	FEEDPUMP	MOTOR	MCC5	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
208	12.3.6	P123-06	FEEDPUMP	MOTOR	MCC5	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
209	12.3.7	P123-07	FEEDPUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
210	12.3.8	P123-08	FEEDPUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
211	12.3.9	P123-09	FEEDPUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
212	12.3.10	P123-10	FEEDPUMP	MOTOR	MCC7	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
213	12.3.11	P123-11	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
214	12.3.12	P123-12	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
215	12.3.13	P123-13	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
216	12.3.14	P123-14	HP PUMP	MOTOR	MCC5	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
217	12.3.15	P123-15	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
218	12.3.16	P123-16	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
219	12.3.17	P123-17	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
220	12.3.18	P123-18	HP PUMP	MOTOR	MCC5	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
221	12.3.19	P123-19	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
222	12.3.20	P123-20	HP PUMP	MOTOR	MCC1	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
223	12.3.21	P123-21	HP PUMP	MOTOR	MCC1	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
224	12.3.22	P123-22	HP PUMP	MOTOR	MCC1	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
225	12.3.23	P123-23	HP PUMP	MOTOR	MCC1	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	268.51	1	120.55	148.82	87.28
226	12.3.24	P123-24	HP PUMP	MOTOR	MCC1	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	268.51	1	120.55	148.82	87.28
227	12.3.25	P123-25	HP PUMP	MOTOR	MCC1	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	268.51	1	120.55	148.82	87.28
228	12.3.26	P123-26	HP PUMP	MOTOR	MCC2	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	268.51	1	120.55	148.82	87.28
229	12.3.27	P123-27	HP PUMP	MOTOR	MCC2	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	268.51	1	120.55	148.82	87.28
230	12.3.28	P123-28	HP PUMP	MOTOR	MCC2	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	268.51	1	120.55	148.82	87.28
231	12.3.29	P123-29	HP PUMP	MOTOR	MCC2	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	268.51	1	120.55	148.82	87.28
232	12.3.30	P123-30	HP PUMP	MOTOR	MCC5	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
233	12.3.31	P123-31	HP PUMP	MOTOR	MCC5	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
234	12.3.32	P123-32	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
235	12.3.33	P123-33	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
236	12.3.34	P123-34	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28

No.		Tag Number	Feeder Type	EQUIPMENT	MCC NAME	Type Of Starter	Unit	Absorbed Power (kw)	Rated Power (kw)	RATED FREQ.	Phase	Load Factor	Voltage (V)	Efficiency	COSEφ	Current (A)	Simultaneity Factor	Active Power with Simultaneity factor (kw)	Apparent Power (KVA)	Reactive Power with Simultaneity factor (KVAR)
237	12.3.35	P123-35	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
238	12.3.36	P123-36	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	1	120.55	148.82	87.28
239	12.3.37	P123-37	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
240	12.3.38	P123-38	HP PUMP	MOTOR	MCC6	DRIVE		88	110	50	3	0.80	400	73.0%	0.81	465.08	0	0.00	0.00	0.00
241	12.4.1	P124-01	BOSTER PUMP -PHASE 2	MOTOR	MCC6	DRIVE		128	160	50	3	0.80	400	73.0%	0.81	390.56	1	175.34	216.47	126.95
242	12.4.2	P124-02	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	73.0%	0.81	390.56	1	175.34	216.47	126.95
243	12.4.3	P124-03	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	73.0%	0.81	390.56	1	175.34	216.47	126.95
244	12.4.4	P124-04	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	73.0%	0.81	390.56	1	175.34	216.47	126.95
245	12.4.5	P124-05	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	100.0%	0.78	296.08	1	128.00	164.10	102.69
246	12.4.6	P124-06	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	100.0%	0.78	296.08	0	0.00	0.00	0.00
247	12.4.7	P124-07	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	100.0%	0.78	296.08	1	128.00	164.10	102.69
248	12.4.8	P124-08	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	100.0%	0.80	288.68	1	128.00	160.00	96.00
249	12.4.9	P124-09	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	93.5%	0.86	287.20	1	136.90	159.18	81.23
250	12.4.10	P124-10	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	93.5%	0.86	287.20	0	0.00	0.00	0.00
251	12.4.11	P124-11	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	93.5%	0.86	287.20	1	136.90	159.18	81.23
252	12.4.12	P124-12	BOSTER PUMP -STAGE 2	MOTOR	MCC7	DRIVE		128	160	50	3	0.80	400	93.5%	0.86	287.20	1	136.90	159.18	81.23

No.		Tag Number	Feeder Type	EQUIPMENT	MCC NAME	Type Of Starter	Unit	Absorbed Power (kw)	Rated Power (kw)	RATED FREQ.	Phase	Load Factor	Voltage (V)	Efficiency	COSEφ	Current (A)	Simultaneity Factor	Active Power with Simultaneity factor (kw)	Apparent Power (KVA)	Reactive Power with Simultaneity factor (KVAR)
253	12.10.1	P1210-01	DOSING PUMP	MOTOR	MCC7	DOL	ANTISCALANT	0.144	0.18	50	1	0.80	400	93.5%	0.86	0.32	1	0.15	0.18	0.09
254	12.10.2	P1210-02	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	93.5%	0.86	0.32	1	0.15	0.18	0.09
255	12.10.3	P1210-03	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	93.5%	0.86	0.32	1	0.15	0.18	0.09
256	12.10.4	P1210-04	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	93.5%	0.86	0.32	1	0.15	0.18	0.09
257	12.10.5	P1210-05	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	93.5%	0.86	0.32	0	0.00	0.00	0.00
258	12.12.1	P1212-01	MIXER	MOTOR	MCC7	DOL	SMBS DOSING UNIT	1.76	2.2	50	3	0.80	400	90.0%	0.84	4.20	1	1.96	2.33	1.26
259	12.13.1	P1213-01	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	90.0%	0.80	0.36	1	0.16	0.20	0.12
260	12.13.2	P1213-02	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	90.0%	0.80	0.36	0	0.00	0.00	0.00
261	12.13.3	P1213-03	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	92.0%	0.86	0.33	1	0.16	0.18	0.09
262	12.13.4	P1213-04	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	92.0%	0.86	0.33	1	0.16	0.18	0.09
263	12.13.5	P1213-05	DOSING PUMP	MOTOR	MCC7	DOL	0.144	0.18	50	1	0.80	400	93.5%	0.86	0.32	1	0.15	0.18	0.09	
264	12.15.1	P1215-01	DOSING PUMP	MOTOR	MCC7	DOL	ACID	0.144	0.18	50	1	0.80	400	93.5%	0.86	0.32	0	0.00	0.00	0.00
265	12.15.2	P1215-02	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	90.0%	0.80	0.36	1	0.16	0.20	0.12
266	12.15.3	P1215-03	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	90.0%	0.80	0.36	1	0.16	0.20	0.12
267	12.15.4	P1215-04	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	92.5%	0.86	0.33	1	0.16	0.18	0.09
268	12.15.5	P1215-05	DOSING PUMP	MOTOR	MCC7	DOL		0.144	0.18	50	1	0.80	400	90.0%	0.80	0.36	1	0.16	0.20	0.12

No.		Tag Number	Feeder Type	EQUIPMENT	MCC NAME	Type Of Starter	Unit	Absorbed Power (kw)	Rated Power (kw)	RATED FREQ.	Phase	Load Factor	Voltage (V)	Efficiency	COStp	Current (A)	Simultaneity Factor	Active Power with Simultaneity factor (kw)	Apparent Power (KVA)	Reactive Power with Simultaneity factor (KVAR)
269	12.16.1	P1216-01	BACKWASH PUMP	MOTOR	MCC6	SOFT STARTER	CHEMICAL UNIT BACK WASH	29.6	37	50	3	0.80	400	100.0%	0.86	62.10	1	29.60	34.42	17.56
270	12.16.2	P1216-02	BACKWASH PUMP	MOTOR	MCC6	SOFT STARTER		29.6	37	50	3	0.80	400	95.0%	0.86	113.22	1	31.16	36.23	18.49
271	12.16.3	P1216-03	BACKWASH PUMP	MOTOR	MCC6	SOFT STARTER		29.6	37	50	3	0.80	400	95.0%	0.86	113.22	1	31.16	36.23	18.49
272	12.16.4	P1216-04	BACKWASH PUMP	MOTOR	MCC6	SOFT STARTER		29.6	37	50	3	0.80	400	95.0%	0.86	113.22	1	31.16	36.23	18.49
273	12.18.1	HT1218-01	HEATER	HEATER	MCC7	DOL		9.6	12	50	3	0.80	400	95.0%	0.86	36.72	1	10.11	11.75	6.00
274	12.18.2	HT1218-02	HEATER	HEATER	MCC7	DOL		9.6	12	50	3	0.80	400	95.0%	0.86	36.72	1	10.11	11.75	6.00
275	12.20.1	P1220-01	MIXER	MOTOR	MCC7	DOL		1.76	2.2	50	3	0.80	400	100.0%	0.86	3.69	1	1.76	2.05	1.04
SUM TOTAL POWER WITH 20% SPARE																		12635.49	13084.56	3398.54
Note: 1- Type Of Starter : (DOL: Direct On Line , VFD: Variable Frequency Drive , F/R: Forward/Reverse , SSD: Soft Starter Drive , Y/D: Star/Delta, PAC: PACKAGE UNIT)																				