

Indus Electronics India (P) Ltd
Coimbatore

Customer Name : Gomuki Spinning Mills (P) Ltd - Wind Mill Division

Instrument Installed for NEPC make 225/40 KW WTG - HTSC-740, SF.No:567

Date Of Calibration: 30/03/07

Valid up to : 29/03/08

Export - 95% load - Lagging Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	241	240
	V2	200	198
	V3	271	271
2	Line Voltage (VL - L)		
	V12	411	412
	V23	412	411
	V31	410	410
3	Current		
	I1	310	309.5
	I2	229	228
	I3	331.5	332.5
4	Total KW	186	187
5	Total KVA	210.5	210
6	Total KVAR	92	92.5
7	Power Factor	0.895	0.895
8	Frequency	49.4	49.4
9	Kwhr (For 1 Hr)	200	200

Export - 50 % load - Lagging Power Factor

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	230	229
	V2	200	201
	V3	278	277
2	Line Voltage (VL - L)		
	V12	412	411
	V23	415	416
	V31	418	418
3	Current		
	I1	130	129
	I2	103	102
	I3	147.5	148.2
4	Total KW	86	85.5
5	Total KVA	94	94.5
6	Total KVAR	41	41.5
7	Power Factor	0.892	0.892
8	Frequency	49.58	49.58
9	Kwhr (For 1 Hr)	88	89

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Import - 95% load - Unity Power Factor

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	252	253
	V2	216	215
	V3	294	293
2	Line Voltage (VL - L)		
	V12	431	432
	V23	434	431
	V31	434	433
3	Current		
	I1	511.5	512.5
	I2	388	389
	I3	540	539
4	Total KW	371.5	371
5	Total KVA	369	369.5
6	Total KVAR	0	0
7	Power Factor	1	1
8	Frequency	49.56	49.56
9	Kwhr (For 1 Hr)	460	461

Import - 50 % load - Unity Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	233	234
	V2	201	199
	V3	275	274
2	Line Voltage (VL - L)		
	V12	400	401
	V23	403	404
	V31	406	405
3	Current		
	I1	197	196
	I2	146	146.5
	I3	229	228
4	Total KW	138	137
5	Total KVA	135.8	136.5
6	Total KVAR	0	0
7	Power Factor	1	1
8	Frequency	49.5	49.5
9	Kwhr (For 1 Hr)	128	127.8

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	199	198
	V2	165	164
	V3	270	269
2	Line Voltage (VL - L)		
	V12	337	336
	V23	369	368
	V31	369	370
3	Current		
	I1	505	505.5
	I2	385	384.5
	I3	541	539
4	Total KW	270	269
5	Total KVA	306	305.5
6	Total KVAR	143	142
7	Power Factor	0.882	0.884
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	190	189

Import - 50 % load - Leading Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	189	188
	V2	152	151
	V3	253	252
2	Line Voltage (VL - L)		
	V12	310	310
	V23	343	344
	V31	345	344
3	Current		
	I1	196	197
	I2	150	149
	I3	223	222
4	Total KW	100	99
5	Total KVA	112	112.5
6	Total KVAR	54.5	54
7	Power Factor	0.875	0.875
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	82	81.5

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	241	240
	V2	204	203
	V3	277	278
2	Line Voltage (VL - L)		
	V12	415	415
	V23	418	419
	V31	413	412
3	Current		
	I1	313	312
	I2	245	244.5
	I3	325	326
4	Total KW	198.5	198
5	Total KVA	220.5	221
6	Total KVAR	100.5	101
7	Power Factor	0.889	0.888
8	Frequency	49.86	49.86
9	Kwhr (For 1 Hr)	248	247.5

Import - 50 % load - Lagging Power Factor

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	236	237
	V2	205	204
	V3	268	269
2	Line Voltage (VL - L)		
	V12	403	404
	V23	405	403
	V31	406	405
3	Current		
	I1	110	109.5
	I2	102.5	101.5
	I3	154	155
4	Total KW	85	84.8
5	Total KVA	90.5	90.5
6	Total KVAR	41	40.5
7	Power Factor	0.893	0.893
8	Frequency	49.58	49.58
9	Kwhr (For 1 Hr)	82	81.5

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	240	239
	V2	200	201
	V3	278	279
2	Line Voltage (VL - L)		
	V12	408	409
	V23	407	405
	V31	410	410
3	Current		
	I1	465	465.5
	I2	351	351.5
	I3	486	486.5
4	Total KW	312	311.5
5	Total KVA	310	309.5
6	Total KVAR		
7	Power Factor	1	1
8	Frequency	49.8	49.8
9	Kwhr (For 1 Hr)	369	370

Export - 50 % load - Unity Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	229	228
	V2	200	199
	V3	275	274
2	Line Voltage (VL - L)		
	V12	410	410
	V23	411	411
	V31	406	407
3	Current		
	I1	187	186.5
	I2	153	152.5
	I3	221	221.5
4	Total KW	137	136.5
5	Total KVA	138	137
6	Total KVAR		
7	Power Factor	1	1
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	130	129

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	186	185
	V2	156	155
	V3	250	250
2	Line Voltage (VL - L)		
	V12	314	315
	V23	343	344
	V31	345	344
3	Current		
	I1	479	478
	I2	325	325.5
	I3	479	478.5
4	Total KW	225	224
5	Total KVA	258	257.5
6	Total KVAR	125	124.5
7	Power Factor	0.87	0.87
8	Frequency	49.69	49.69
9	Kwhr (For 1 Hr)	264	264

Export - 50 % load - Leading Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	192	193
	V2	158	157
	V3	254	255
2	Line Voltage (VL - L)		
	V12	317	317
	V23	350	349
	V31	352	352
3	Current		
	I1	172	171.5
	I2	158	159
	I3	222	223
4	Total KW	100	99.5
5	Total KVA	115	114.5
6	Total KVAR	58	57.3
7	Power Factor	0.88	0.88
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	100	100.5

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