

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:566

Date Of Calibration: 23.09.2007

Valid up to : 22.09.2008

Import - 95% load - Unity Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	254	253
	V2	216	215
	V3	293	294
2	Line Voltage (VL - L)		
	V12	431	432
	V23	433	432
	V31	434	433
3	Current		
	I1	513	512.5
	I2	389.5	390.5
	I3	540.5	539.7
4	Total KW	342	341.5
5	Total KVA	342	342
6	Total KVAR	0	0
7	Power Factor	1	1
8	Frequency	49.93	49.93
9	Kwhr (For 1 Hr)	439	438

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	205	204
	V3	273	274
2	Line Voltage (VL - L)		
	V12	415	416
	V23	411	412
	V31	412	411
3	Current		
	I1	196	195.5
	I2	146	146.5
	I3	229	229
4	Total KW	138	137
5	Total KVA	137	136.5
6	Total KVAR	0	0
7	Power Factor	1	1
8	Frequency	49.5	49.5
9	Kwhr (For 1 Hr)	126	125.5

S. P. P. T.
Tested By

C. Sath
Checked By

C. Sath
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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	241	240
	V2	200	201
	V3	274	273
2	Line Voltage (VL - L)		
	V12	408	409
	V23	407	406
	V31	407	408
3	Current		
	I1	464.5	465.5
	I2	346	345
	I3	487	486
4	Total KW	312.5	311.5
5	Total KVA	311	311.5
6	Total KVAR		
7	Power Factor	1	1
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	378	377

Export - 50 % load - Unity Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	236	237
	V2	200	199
	V3	273	274
2	Line Voltage (VL - L)		
	V12	412	413
	V23	410	411
	V31	415	414
3	Current		
	I1	187	186.5
	I2	151	151.5
	I3	222	221
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	129.5

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Import - 95% load - Leading Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	198	199
	V2	165	166
	V3	267	268
2	Line Voltage (VL - L)		
	V12	341	340
	V23	369	368
	V31	369	370
3	Current		
	I1	510	509.5
	I2	385	385
	I3	542	541.8
4	Total KW	270	269.5
5	Total KVA	303	304
6	Total KVAR	143	143
7	Power Factor	0.882	0.882
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	188	187

Import - 50 % load - Leading Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	182	183
	V2	150	151
	V3	252	251
2	Line Voltage (VL - L)		
	V12	310	309
	V23	341	340
	V31	343	343
3	Current		
	I1	193	194
	I2	148	147
	I3	223	222
4	Total KW	97	98
5	Total KVA	112	112.5
6	Total KVAR	55	54
7	Power Factor	0.875	0.875
8	Frequency	49.58	49.58
9	Kwhr (For 1 Hr)	80	79

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	183	184
	V2	156	155
	V3	255	254
2	Line Voltage (VL - L)		
	V12	313	312
	V23	343	343
	V31	345	346
3	Current		
	I1	479	478.5
	I2	325	326
	I3	479	478
4	Total KW	223	224
5	Total KVA	259	258.5
6	Total KVAR	124	124.5
7	Power Factor	0.87	0.87
8	Frequency	49.5	49.5
9	Kwhr (For 1 Hr)	265	264

Export - 50 % load - Leading Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	186	187
	V2	152	153
	V3	254	253
2	Line Voltage (VL - L)		
	V12	317	317
	V23	348	347
	V31	351	352
3	Current		
	I1	172	171.5
	I2	156	155.5
	I3	228	227
4	Total KW	98.5	99.5
5	Total KVA	112.5	113.5
6	Total KVAR	53.5	52.5
7	Power Factor	0.88	0.88
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	95	94

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Import - 95% load - Lagging Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	239	240
	V2	204	205
	V3	277	276
2	Line Voltage (VL - L)		
	V12	412	411
	V23	413	411
	V31	411	413
3	Current		
	I1	315	312.5
	I2	239.5	238.5
	I3	342.5	342
4	Total KW	196	197
5	Total KVA	221	220.5
6	Total KVAR	100	100
7	Power Factor	0.889	0.888
8	Frequency	49.93	49.93
9	Kwhr (For 1 Hr)	275	275

Import - 50 % load - Lagging Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	234	235
	V2	200	199
	V3	276	275
2	Line Voltage (VL - L)		
	V12	403	403
	V23	405	404
	V31	406	406
3	Current		
	I1	128	129
	I2	102.5	103
	I3	145	144.5
4	Total KW	81	81
5	Total KVA	90.5	90.5
6	Total KVAR	40.5	40.5
7	Power Factor	0.893	0.893
8	Frequency	49.58	49.58
9	Kwhr (For 1 Hr)	78	77

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1	Phase Voltage (VL - N)		
	V1	235	234
	V2	200	199
	V3	271	271
2	Line Voltage (VL - L)		
	V12	403	402
	V23	402	400
	V31	402	401
3	Current		
	I1	306	306
	I2	226	227
	I3	331	332
4	Total KW	186	186
5	Total KVA	207.5	207.5
6	Total KVAR	92	92.5
7	Power Factor	0.895	0.895
8	Frequency	49.4	49.4
9	Kwhr (For 1 Hr)	189	188

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Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	237	236
	V2	200	201
	V3	277	275
2	Line Voltage (VL - L)		
	V12	405	405
	V23	407	405
	V31	408	408
3	Current		
	I1	128.5	129
	I2	101.5	101.5
	I3	147.5	148.5
4	Total KW	82.5	82.5
5	Total KVA	92	91.5
6	Total KVAR	41	41.5
7	Power Factor	0.892	0.892
8	Frequency	49.58	49.58
9	Kwhr (For 1 Hr)	84	84

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