

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:568

Date Of Calibration: 27.05.2007

Valid up to : 26.05.2008

Import - 95% load - Unity Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	260	259
	V2	225	224
	V3	293	292
2	Line Voltage (VL - L)		
	V12	430	431
	V23	425	425
	V31	426	425
3	Current		
	I1	499	500
	I2	390	390.5
	I3	498	497.5
4	Total KW	311	310.5
5	Total KVA	370	369.5
6	Total KVAR	0	0
7	Power Factor	1	1
8	Frequency	49.8	49.8
9	Kwhr (For 1 Hr)	425	425.5

Import - 50 % load - Unity Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	240	241
	V2	200	199
	V3	265	264
2	Line Voltage (VL - L)		
	V12	411	411
	V23	408	407
	V31	406	405
3	Current		
	I1	196	195.5
	I2	148	147
	I3	228.5	229
4	Total KW	141	140
5	Total KVA	136.5	136.5
6	Total KVAR	0	0
7	Power Factor	1	1
8	Frequency	49.5	49.5
9	Kwhr (For 1 Hr)	128	129

S.P.P.T
Tested By

Checked By *C. S. S.*

Approved By *C. S. S.*

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	241	240
	V2	204	203
	V3	274	273
2	Line Voltage (VL - L)		
	V12	411	410
	V23	412	413
	V31	415	414
3	Current		
	I1	466	465.5
	I2	450	451
	I3	482	481
4	Total KW	312	311.5
5	Total KVA	310	309.5
6	Total KVAR		
7	Power Factor	1	1
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	375	374

Export - 50 % load - Unity Power Factor

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	236	237
	V2	200	199
	V3	274	274
2	Line Voltage (VL - L)		
	V12	403	403
	V23	405	403
	V31	406	407
3	Current		
	I1	186	186.5
	I2	152	151.5
	I3	220.5	221
4	Total KW	136.5	136.5
5	Total KVA	137	137
6	Total KVAR		
7	Power Factor	1	1
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	129	128.5

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Import - 95% load - Leading Power Factor

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	205	204
	V2	198	199
	V3	267	268
2	Line Voltage (VL - L)		
	V12	342	343
	V23	368	368
	V31	381	380
3	Current		
	I1	498	499.5
	I2	415	414
	I3	489	489.5
4	Total KW	312.5	312.5
5	Total KVA	304	304
6	Total KVAR	143	143
7	Power Factor	0.882	0.882
8	Frequency	49.76	49.76
9	Kwhr (For 1 Hr)	198	198.5

Import - 50 % load - Leading Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	186	185
	V2	152	151
	V3	198	199
2	Line Voltage (VL - L)		
	V12	308	307
	V23	340	340
	V31	342	343
3	Current		
	I1	198	198.5
	I2	143	143
	I3	222.5	222
4	Total KW	101	100.5
5	Total KVA	115	114
6	Total KVAR	54.5	54
7	Power Factor	0.875	0.875
8	Frequency	49.58	49.58
9	Kwhr (For 1 Hr)	82	81

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	192	192
	V2	155	154
	V3	250	250
2	Line Voltage (VL - L)		
	V12	310	311
	V23	340	341
	V31	345	346
3	Current		
	I1	478	477.5
	I2	325	326
	I3	479	478
4	Total KW	225	224
5	Total KVA	257.5	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	154	153
	V3	254	255
2	Line Voltage (VL - L)		
	V12	318	317
	V23	348	347
	V31	352	352
3	Current		
	I1	172	171.5
	I2	155	155.5
	I3	228	227
4	Total KW	99	99.5
5	Total KVA	113	112.5
6	Total KVAR	52	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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Checked By *Chad*

Approved By *C.resh*

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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	237	238
	V2	202	203
	V3	277	278
2	Line Voltage (VL - L)		
	V12	412	411
	V23	411	411
	V31	413	413
3	Current		
	I1	312	312.5
	I2	241	240
	I3	344	343
4	Total KW	198	197.5
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)	285	286

Import - 50 % load - Lagging Power Factor

Multiplication Factor : 500

Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	236	235
	V2	200	199
	V3	274	275
2	Line Voltage (VL - L)		
	V12	419	418
	V23	415	416
	V31	425	425
3	Current		
	I1	128.5	129
	I2	103	103
	I3	145	144.5
4	Total KW	82	81
5	Total KVA	90.5	91
6	Total KVAR	41	40.5
7	Power Factor	0.893	0.893
8	Frequency	49.58	49.58
9	Kwhr (For 1 Hr)	76	77

S. D. Pit
Tested ByChecked By *S. D. Pit*Approved By *C. J. J.*

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Sl.No	Description	Standard Reading	Indicated Reading
1	Phase Voltage (VL - N)		
	V1	235	234
	V2	201	199
	V3	272	271
2	Line Voltage (VL - L)		
	V12	403	404
	V23	401	400
	V31	402	400
3	Current		
	I1	306	305
	I2	226	225
	I3	331	332
4	Total KW	186	186
5	Total KVA	207.5	207
6	Total KVAR	92	93
7	Power Factor	0.895	0.895
8	Frequency	49.4	49.4
9	Kwhr (For 1 Hr)	189	190

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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	411	410
	V23	411	412
	V31	415	415
3	Current		
	I1	128.5	129
	I2	102	101.5
	I3	149	148.5
4	Total KW	83	82.5
5	Total KVA	91	91.5
6	Total KVAR	42	41.5
7	Power Factor	0.892	0.892
8	Frequency	49.58	49.58
9	Kwhr (For 1 Hr)	85	84

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