



## RAVI ENTECK LIMITED

08 July 2011

To whomsoever it may concern

**Subject: Estimation of PLF based on data provided from wind mast at the Jogimati site in Chitradurga, Karnataka**

We have analysed the data sets provided by Enercon (India) Limited collected from the wind mast installed at Jogimati site in Chitradurga, Karnataka. The data sets provided as Appendix 1 and Appendix 2 contain wind speed data for the period October 1995 to September 2000 and June 2002 to May 2008 respectively.

After analysing the data set provided as appendix 1, the year on year estimate of PLF is provided in the table below:

Period	Annual Average Wind Speed in m/s	Estimated PLF
October 1995 to September 1996	7.75	30.05%
October 1996 to September 1997	7.57	28.15%
October 1997 to September 1998	7.66	29.17%
October 1998 to September 1999	7.45	27.12%
October 1999 to September 2000	7.41	27.02%
<b>Average</b>	<b>7.57</b>	<b>28.32%</b>

The estimated average PLF from the data set provided as Appendix 1 works out to be 28.32% and the highest PLF works out to be 30.05%.

After analysing the data set provided as appendix 2, the year on year estimate of PLF is provided in the table below:

Period	Annual Average Wind Speed in m/s	Estimated PLF
June 2002 to May 2003	7.79	30.27%
June 2003 to May 2004	8.29	34.59%
June 2004 to May 2005	7.88	31.02%
June 2005 to May 2006	7.83	30.61%
June 2006 to May 2007	8.16	33.41%
June 2007 to May 2008	7.97	31.75%
<b>Average</b>	<b>7.99</b>	<b>31.94%</b>

**Corporate Office: "SIVANANDALAKSHMI" #1, 92 (Old 69), 4<sup>th</sup> Avenue, Ashoknagar  
Chennai - 600083, TN, India**

Tel: +9144 24899782, Fax: +9144 42033920 Email: [info@ravienteck.com](mailto:info@ravienteck.com)  
Reg. Office: 50 (Old 12), 12<sup>th</sup> Avenue, Ashoknagar, Chennai-600083





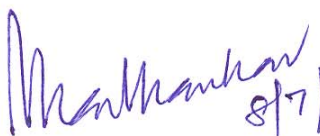
## RAVI ENTECK LIMITED

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The estimated average PLF from the data set provided as appendix 2 works out to be 31.94% and the highest PLF works out to be 34.59%.

The average wind speed provided for the data set provided as appendix 1 and appendix 2 is 7.57 m/s and 7.99 m/s respectively. The difference in average wind speed for the data set provided as appendix 1 and appendix 2 is 5.55%, i.e., the wind speed has increased by 5.55%, which will result in a net increase in PLF in range of 9-14%, since the average wind speeds are only considered for the above PLF estimation).

For Ravi Enteck Limited

  
8/7/11



G.JAISHANKAR

Director

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Appendix 1: Frequency of Distribution Data from Wind Mast at Jogimati in Chitradurga, Karnataka

October 1995 to September 1996													
km/hour	m/s	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1.00	0.28	0.12	0.24	0.10	0.11	0.17	0.32	0.00	0.10	0.13	0.00	0.11	0.11
3.00	0.83	0.31	0.73	0.20	0.11	0.33	0.32	0.22	0.11	0.13	0.00	0.11	0.24
5.00	1.39	1.80	1.09	0.30	0.42	1.34	1.38	0.45	0.11	0.38	0.00	0.00	0.61
7.00	1.94	2.95	1.58	0.50	1.15	2.01	2.13	1.45	0.33	0.51	0.00	0.11	1.22
9.00	2.50	3.98	2.55	0.70	1.39	4.24	4.15	2.23	2.40	1.03	0.11	0.11	1.95
11.00	3.06	5.25	3.77	1.71	2.63	6.14	6.60	4.58	5.60	1.07	0.67	0.67	3.41
13.00	3.61	7.18	4.99	2.31	3.47	6.82	6.77	5.58	5.80	1.19	0.67	0.89	3.53
15.00	4.17	7.31	5.36	3.01	5.25	8.14	8.02	6.36	7.80	1.17	0.67	0.78	5.23
17.00	4.72	8.83	6.46	4.82	6.57	8.41	8.74	6.42	7.89	1.23	0.67	1.00	4.99
19.00	5.28	8.88	7.00	6.18	8.48	8.63	9.78	6.01	7.05	2.44	0.97	1.00	4.33
21.00	5.83	9.07	8.36	6.66	7.67	9.75	8.67	5.99	6.94	2.57	1.09	1.00	4.68
23.00	6.39	7.55	7.90	7.82	7.88	8.12	7.62	6.00	6.60	3.21	1.21	1.11	5.03
25.00	6.94	7.34	7.20	8.97	8.76	7.39	6.86	5.91	5.80	3.88	1.09	1.33	5.25
27.00	7.50	7.12	6.89	9.26	7.82	5.53	6.32	5.70	5.61	4.10	1.91	1.97	6.55
29.00	8.06	4.97	6.54	8.63	7.52	5.10	5.33	5.98	5.30	8.52	3.47	3.40	6.13
31.00	8.61	4.55	6.09	8.31	7.42	4.75	3.97	4.93	4.32	8.91	4.55	5.36	6.13
33.00	9.17	4.29	6.18	7.00	6.51	4.32	3.61	5.12	4.30	9.31	6.47	5.79	7.60
35.00	9.72	3.07	5.21	6.60	5.68	3.54	3.25	4.84	4.10	8.46	8.01	7.27	5.27
37.00	10.28	1.76	3.35	5.59	3.35	2.15	2.34	4.35	3.99	9.13	7.97	9.75	5.22
39.00	10.83	1.37	3.00	3.98	3.16	1.20	1.89	3.98	3.50	8.06	8.07	10.65	5.22
41.00	11.39	1.13	2.20	3.20	2.14	1.03	1.17	3.61	2.70	7.70	8.25	8.70	5.10
43.00	11.94	0.41	1.07	1.82	0.83	0.26	0.54	2.81	2.30	4.84	6.67	6.46	4.32
45.00	12.50	0.08	0.53	0.91	0.74	0.26	0.00	2.43	2.05	3.77	6.56	6.30	3.40
47.00	13.06	0.00	0.71	0.30	0.09	0.00	0.00	1.60	1.73	3.01	5.90	6.12	2.00



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# October 1995 to September 1996

49.00	13.61	0.00	0.44	0.20	0.00	0.00	0.00	1.45	1.20	2.10	5.35	5.74	1.13
51.00	14.17	0.00	0.35	0.00	0.00	0.00	0.00	1.34	1.10	1.26	4.62	4.66	0.43
53.00	14.72	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.79	0.95	3.78	3.76	0.26
55.00	15.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.19	2.26	2.41	0.00
57.00	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.55	1.70	0.00
59.00	16.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.62	0.00
61.00	16.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.09	0.00
63.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.36	0.00
65.00	18.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.18	0.00
67.00	18.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00
69.00	19.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.18	0.00
71.00	19.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.09	0.00
73.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
75.00	20.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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# October 1996 to September 1997

km/hour	m/s	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1.00	0.28	0.67	0.40	0.10	0.00	0.30	0.31	0.10	0.00	0.00	0.00	0.00	0.30
3.00	0.83	0.78	0.63	0.26	0.41	1.40	0.31	0.62	0.21	0.11	0.00	0.20	0.34
5.00	1.39	1.56	1.50	0.39	1.13	2.20	1.36	1.66	0.42	0.32	0.00	0.20	0.58
7.00	1.94	2.56	1.70	0.55	1.37	3.20	2.09	2.10	1.35	0.42	0.11	0.30	1.09
9.00	2.50	3.45	2.70	0.78	2.48	5.20	4.07	4.30	2.08	0.84	0.11	0.30	1.75
11.00	3.06	4.56	3.40	1.90	3.31	5.68	6.48	7.10	3.70	1.90	0.67	0.84	3.07
13.00	3.61	6.24	4.49	2.57	5.01	6.40	7.10	7.82	4.80	2.01	0.67	1.12	3.18
15.00	4.17	6.35	4.82	3.35	6.20	7.20	8.00	8.02	6.22	2.33	0.67	0.98	4.71
17.00	4.72	8.03	5.37	5.36	6.90	7.78	8.50	9.23	6.27	2.33	0.67	1.26	4.49
19.00	5.28	8.40	6.05	7.14	7.70	8.75	8.70	8.13	6.35	2.09	0.92	1.26	4.05
21.00	5.83	9.86	8.54	8.93	7.90	8.80	9.10	8.02	6.33	2.19	1.35	1.26	4.38
23.00	6.39	8.21	8.87	9.68	8.86	8.14	8.52	7.88	6.35	2.63	1.50	1.40	4.60
25.00	6.94	7.98	8.06	8.43	8.49	8.00	6.81	7.05	6.25	3.18	1.35	1.67	5.10
27.00	7.50	7.74	7.04	8.70	8.16	5.90	6.23	5.58	6.27	3.36	2.36	2.48	5.50
29.00	8.06	5.40	6.68	8.10	8.06	5.13	5.50	4.72	6.21	6.98	4.02	3.60	5.92
31.00	8.61	4.95	6.23	7.39	7.00	5.10	4.10	3.79	4.88	7.30	5.26	4.70	6.03
33.00	9.17	4.66	5.80	6.23	6.10	3.72	3.73	3.70	5.07	7.35	6.41	5.20	7.32
35.00	9.72	3.34	5.65	5.87	3.31	3.76	3.36	3.14	4.79	9.10	7.61	5.90	6.58
37.00	10.28	1.91	3.40	4.97	3.13	1.80	2.41	3.00	4.31	8.69	8.26	8.30	6.10
39.00	10.83	1.49	2.80	3.54	2.11	1.10	1.95	2.40	3.94	8.64	9.30	8.20	5.70
41.00	11.39	1.23	2.25	2.85	0.84	0.20	1.10	0.78	3.57	8.74	8.96	10.20	5.68
43.00	11.94	0.40	1.09	1.62	0.75	0.10	0.00	0.18	2.78	6.17	5.65	9.00	5.55
45.00	12.50	0.10	1.00	0.81	0.09	0.00	0.00	0.00	2.41	4.81	5.56	6.30	3.70
47.00	13.06	0.10	0.72	0.27	0.00	0.00	0.00	0.00	2.04	3.84	5.00	5.30	2.18



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# October 1996 to September 1997

49.00	13.61	0.00	0.45	0.18	0.00	0.00	0.00	0.00	0.00	0.00	1.39	2.65	4.53	5.78	0.97
51.00	14.17	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.55	4.10	4.23	0.45
53.00	14.72	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	3.70	3.85	0.20
55.00	15.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	2.47	0.12
57.00	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	1.74	0.00
59.00	16.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.64	0.00
61.00	16.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.40	0.00
63.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.28	0.00
65.00	18.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.10	0.00
67.00	18.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.10	0.00
69.00	19.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00
71.00	19.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00
73.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00
75.00	20.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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# October 1997 to September 1998

km/hour	m/s	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1.00	0.28	0.66	0.20	0.11	0.00	0.00	0.30	0.10	0.00	0.00	0.00	0.11	0.10
3.00	0.83	0.77	0.60	0.21	0.00	0.33	0.30	0.64	0.22	0.11	0.00	0.11	0.15
5.00	1.39	1.53	0.90	0.31	0.43	1.31	1.42	1.75	0.43	0.33	0.00	0.00	0.50
7.00	1.94	2.40	1.29	0.52	1.19	2.30	2.19	3.94	1.41	0.43	0.00	0.11	1.09
9.00	2.50	3.20	2.10	0.73	1.43	4.16	4.07	4.82	2.17	0.87	0.11	0.11	1.62
11.00	3.06	4.48	3.24	1.78	2.71	6.02	6.48	6.90	4.45	1.96	0.66	0.66	2.78
13.00	3.61	5.93	4.45	2.52	3.57	7.15	7.52	7.90	5.43	2.07	0.66	0.88	2.90
15.00	4.17	6.50	4.77	3.29	5.40	7.99	8.25	8.47	6.49	2.40	0.66	0.77	3.30
17.00	4.72	7.30	5.10	5.17	6.76	8.25	8.58	9.20	6.54	2.40	0.66	0.99	4.00
19.00	5.28	8.10	5.70	6.82	8.30	8.47	8.80	8.58	6.62	2.07	0.88	0.99	4.21
21.00	5.83	9.20	8.21	8.35	8.69	8.14	9.96	8.00	6.61	2.18	0.99	0.99	4.38
23.00	6.39	8.70	8.79	8.90	8.72	7.70	7.17	7.26	6.62	2.61	1.10	1.10	4.71
25.00	6.94	8.22	9.10	9.30	8.30	7.10	6.45	6.50	5.44	3.16	0.99	1.32	5.37
27.00	7.50	8.10	8.12	8.60	7.70	5.90	6.18	5.56	5.46	3.33	1.73	1.95	5.92
29.00	8.06	5.90	7.50	8.10	7.60	5.40	5.21	4.81	5.73	6.93	3.16	3.37	6.10
31.00	8.61	5.23	6.23	7.96	6.30	5.07	3.89	3.86	4.73	7.25	4.13	4.60	6.15
33.00	9.17	4.67	6.10	6.50	6.12	4.61	3.53	3.39	4.91	8.80	5.88	5.74	6.80
35.00	9.72	3.52	5.32	6.13	5.74	3.78	3.18	3.20	4.64	9.40	7.63	6.60	7.30
37.00	10.28	2.01	3.42	5.08	3.38	2.30	2.29	2.06	4.17	8.20	8.80	8.86	7.92
39.00	10.83	1.58	3.06	3.62	3.19	1.60	1.85	1.69	3.81	8.33	9.30	9.70	7.00
41.00	11.39	1.30	2.25	2.91	2.16	1.10	1.14	0.94	3.46	8.42	8.87	9.60	6.15
43.00	11.94	0.47	1.09	1.65	0.84	0.28	0.53	0.19	2.69	5.83	7.80	6.70	4.90
45.00	12.50	0.09	0.54	0.82	0.75	0.28	0.00	0.00	2.33	4.54	6.40	6.50	3.00
47.00	13.06	0.00	0.72	0.28	0.09	0.00	0.00	0.00	1.97	3.63	5.50	6.60	1.60
49.00	13.61	0.00	0.45	0.19	0.00	0.00	0.00	0.00	1.34	2.53	4.49	6.07	1.18


October 1997 to September 1998

51.00	14.17	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.98	1.52	4.30	4.93	0.46
53.00	14.72	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	3.66	3.98	0.27
55.00	15.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	2.55	0.05
57.00	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	1.80	0.00
59.00	16.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.66	0.00
61.00	16.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.09	0.00
63.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.38	0.00
65.00	18.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.19	0.00
67.00	18.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00
69.00	19.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.19	0.00
71.00	19.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.10	0.00
73.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
75.00	20.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00

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# October 1998 to September 1999

km/hour	m/s	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1.00	0.28	0.33	0.44	0.00	0.00	0.34	0.34	0.00	0.00	0.00	0.00	0.11	0.34
3.00	0.83	0.33	0.69	0.28	0.45	1.57	0.34	0.62	0.23	0.12	0.00	0.15	0.38
5.00	1.39	1.00	1.65	0.43	1.25	2.46	1.10	1.82	0.47	0.35	0.00	0.15	0.65
7.00	1.94	1.40	1.87	0.60	1.50	3.36	1.90	2.35	1.52	0.46	0.12	0.19	1.23
9.00	2.50	2.87	2.97	0.86	2.73	5.46	3.70	4.90	2.34	0.93	0.12	0.20	1.96
11.00	3.06	4.50	3.74	2.09	3.64	6.13	6.80	7.53	4.16	1.10	0.73	0.60	3.37
13.00	3.61	6.10	4.94	2.82	5.51	6.45	7.46	8.60	5.40	2.21	0.74	0.64	3.49
15.00	4.17	6.99	5.30	3.90	6.82	7.50	8.80	9.50	6.99	2.56	0.74	1.08	5.18
17.00	4.72	7.95	6.44	6.70	7.59	8.10	9.35	8.96	7.05	2.56	0.74	1.10	4.94
19.00	5.28	9.10	7.87	7.85	8.47	8.82	9.57	7.56	6.67	2.29	1.01	1.38	4.46
21.00	5.83	8.79	8.97	9.83	8.30	8.90	8.20	7.46	6.65	2.41	1.48	1.38	4.82
23.00	6.39	7.39	8.92	9.10	8.91	7.90	7.90	7.33	6.67	2.89	1.65	1.54	5.06
25.00	6.94	7.12	7.74	7.92	8.32	7.45	6.30	6.56	6.56	3.50	1.48	1.84	5.61
27.00	7.50	6.90	6.34	8.18	8.00	5.80	5.79	5.19	5.71	3.70	2.60	2.73	6.05
29.00	8.06	6.40	6.01	7.62	7.10	4.90	5.06	4.39	5.65	6.70	4.42	3.00	7.70
31.00	8.61	5.90	5.60	6.95	6.20	3.80	4.02	3.53	4.44	8.03	5.94	3.76	7.24
33.00	9.17	4.20	5.22	5.86	5.70	3.65	3.43	3.44	4.61	9.18	7.25	5.72	6.73
35.00	9.72	3.60	4.20	5.52	3.08	3.68	3.30	2.92	4.36	8.46	7.80	7.38	6.06
37.00	10.28	3.20	3.06	4.67	2.88	1.76	2.10	2.79	3.92	8.08	9.33	10.23	5.20
39.00	10.83	2.00	2.52	3.33	1.95	1.08	1.91	2.23	3.59	7.86	8.65	8.90	4.78
41.00	11.39	0.90	2.02	2.68	0.77	0.20	1.90	0.73	3.25	8.12	8.33	8.70	4.50
43.00	11.94	1.10	0.98	1.52	0.67	0.10	0.00	0.17	2.53	5.74	5.09	7.60	4.30
45.00	12.50	1.10	0.90	0.76	0.07	0.00	0.00	0.00	2.19	4.48	5.00	5.90	2.30
47.00	13.06	0.15	0.65	0.25	0.00	0.00	0.00	0.00	1.90	3.57	4.45	5.70	2.01
49.00	13.61	0.00	0.41	0.17	0.00	0.00	0.00	0.00	1.29	2.39	4.03	4.05	0.89



*Mani Mani*

[illegible]

October-1999 to September-2000													
km/hour	m/s	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1.00	0.28	1.00	1.00	0.80	1.00	0.30	0.70	3.00	0.30	0.50	0.30	0.12	0.70
3.00	0.83	1.10	1.20	0.90	1.50	0.36	0.90	3.80	0.40	0.60	0.30	0.12	0.90
5.00	1.39	2.20	1.60	1.20	1.80	1.50	2.00	6.20	0.50	0.80	0.40	0.20	1.10
7.00	1.94	3.30	2.00	1.80	3.00	2.16	2.40	6.50	2.00	0.80	0.50	0.20	1.70
9.00	2.50	3.50	3.30	2.00	3.50	4.56	4.68	6.90	3.40	1.40	0.50	0.30	2.80
11.00	3.06	4.50	4.20	2.60	4.90	6.00	7.00	7.60	4.00	1.60	0.50	0.40	3.30
13.00	3.61	5.00	4.68	3.00	5.50	6.60	8.04	9.00	5.00	1.70	0.60	0.60	3.50
15.00	4.17	5.90	5.07	3.30	5.80	7.50	9.20	9.30	5.28	1.70	0.70	0.60	3.70
17.00	4.72	6.00	5.72	4.20	6.00	7.90	9.30	8.50	5.28	1.80	0.70	0.70	3.96
19.00	5.28	8.00	7.93	6.00	6.90	8.20	9.50	6.60	5.40	2.00	0.80	0.70	4.10
21.00	5.83	8.80	9.62	8.00	6.30	9.00	8.00	6.20	5.50	2.10	0.80	0.80	4.20
23.00	6.39	9.00	9.00	8.50	6.10	8.50	7.00	5.00	5.40	2.20	1.00	1.00	4.29
25.00	6.94	9.00	7.50	8.40	6.00	8.20	5.44	4.70	5.40	3.00	1.30	1.20	4.90
27.00	7.50	7.02	5.18	8.00	5.90	7.30	5.28	4.10	5.50	3.10	1.60	1.50	5.00
29.00	8.06	6.57	4.90	7.50	5.40	6.00	4.40	3.10	5.61	3.40	2.00	2.50	6.20
31.00	8.61	5.50	4.62	6.40	5.30	5.00	3.28	2.70	5.72	3.90	3.00	4.00	6.20
33.00	9.17	5.40	4.69	5.20	5.20	3.76	2.96	2.50	5.94	4.00	4.00	6.50	6.00
35.00	9.72	3.00	3.92	4.70	4.50	2.50	2.64	2.00	5.50	6.00	6.00	7.00	5.60
37.00	10.28	1.70	2.87	3.70	3.00	2.00	2.32	1.10	4.20	7.00	7.08	8.00	5.50
39.00	10.83	1.60	2.59	2.70	2.96	0.90	1.92	0.60	3.30	7.50	8.00	9.20	5.40
41.00	11.39	1.40	1.96	2.00	2.08	0.60	1.10	0.40	2.20	8.00	9.00	9.00	5.30
43.00	11.94	0.81	1.12	0.00	1.04	0.40	0.70	0.30	1.10	7.00	7.12	8.40	5.30
45.00	12.50	0.45	0.70	0.00	0.96	0.20	0.10	0.20	1.00	6.50	7.04	7.48	3.30
47.00	13.06	0.27	0.00	0.00	0.00	0.10	0.00	0.10	0.70	5.50	6.50	7.20	2.30
49.00	13.61	0.09	0.00	0.00	0.00	0.24	0.00	0.00	0.60	4.20	6.00	6.40	1.45


October-1999 to September-2000													
51.00	14.17	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	3.20	6.16
53.00	14.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	2.00	4.00
55.00	15.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.30	3.52
57.00	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	2.96
59.00	16.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
61.00	16.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50
63.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12
65.00	18.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
67.00	18.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
69.00	19.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32
71.00	19.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.00	20.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*Handwritten signature*



Appendix 2: Frequency of Distribution Data from Wind Mast at Jogimati in Chitradurga, Karnataka

June 2002 to May 2003													
km/hour	m/s	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1.00	0.28	0.12	0.00	0.10	0.10	0.10	0.20	0.09	0.10	0.15	0.30	0.00	0.10
3.00	0.83	0.12	0.00	0.10	0.20	0.27	0.61	0.18	0.00	0.30	0.30	0.20	0.60
5.00	1.39	0.36	0.00	0.00	0.51	1.56	0.91	0.27	0.40	1.22	1.32	0.41	2.00
7.00	1.94	0.49	0.00	0.10	1.01	2.56	1.32	0.46	1.10	1.82	2.03	1.32	3.61
9.00	2.50	0.97	0.10	0.10	1.62	3.46	2.13	0.64	1.32	3.85	3.95	2.03	5.50
11.00	3.06	1.01	0.60	0.60	2.84	4.56	3.15	1.55	2.51	5.58	6.29	4.16	8.00
13.00	3.61	1.13	0.60	0.81	2.94	6.25	4.16	2.10	3.30	6.20	6.45	5.07	7.57
15.00	4.17	1.11	0.60	0.71	4.36	6.36	4.46	2.74	5.00	7.40	7.64	6.06	7.77
17.00	4.72	1.16	0.60	0.91	4.16	8.03	4.97	4.39	6.26	7.64	7.95	6.11	8.94
19.00	5.28	2.31	0.81	0.91	3.61	8.08	5.38	5.62	8.07	7.84	8.15	6.19	7.34
21.00	5.83	2.43	0.91	0.91	3.90	9.65	7.60	6.05	7.30	7.50	9.23	6.17	7.23
23.00	6.39	2.92	1.01	1.01	4.19	8.03	7.89	7.11	7.50	9.02	8.11	6.19	6.50
25.00	6.94	3.53	0.91	1.21	4.77	7.81	8.57	8.16	8.68	8.21	7.30	6.09	6.83
27.00	7.50	3.73	1.59	1.79	5.96	7.58	7.49	8.42	8.14	6.15	6.72	5.87	5.84
29.00	8.06	7.75	2.90	3.09	5.57	5.29	7.11	9.59	7.83	6.53	5.67	6.16	5.05
31.00	8.61	8.10	3.79	4.87	5.57	4.85	6.62	8.74	7.73	5.28	4.23	5.09	4.06
33.00	9.17	8.46	5.39	5.27	6.34	4.56	6.72	7.37	6.79	4.80	3.84	5.28	3.57
35.00	9.72	9.00	6.68	6.06	5.86	3.27	5.67	6.95	5.91	3.94	3.46	4.99	3.37
37.00	10.28	9.71	7.25	8.12	7.28	1.87	3.64	5.88	3.49	2.39	2.49	4.49	2.17
39.00	10.83	8.57	7.34	8.52	6.61	1.46	3.26	4.19	3.29	1.34	2.01	4.10	1.77
41.00	11.39	8.19	7.50	10.20	6.71	1.20	2.39	3.37	2.23	1.15	1.24	3.72	0.98
43.00	11.94	5.15	6.06	7.38	6.29	0.43	1.16	1.91	0.87	0.29	0.58	2.89	0.20
45.00	12.50	4.01	5.96	7.38	3.78	0.08	0.58	0.96	0.77	0.29	0.00	2.51	0.00
47.00	13.06	3.20	5.36	7.18	2.22	0.00	0.77	0.32	0.09	0.00	0.00	2.12	0.00

*Devi Manjunath*

RAVI ENTERTECH LIMITED  
CHENNAI  
800 033

June 2002 to May 2003												
49.00	13.61	2.23	4.87	6.38	1.26	0.00	0.48	0.21	0.00	0.00	0.00	0.00
51.00	14.17	1.34	4.87	5.18	0.48	0.00	0.38	0.00	0.00	0.00	1.45	0.00
53.00	14.72	1.01	3.97	4.18	0.29	0.00	0.19	0.00	0.00	0.00	1.06	0.00
55.00	15.28	0.20	2.38	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
57.00	15.83	0.10	2.69	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.00	16.39	0.00	1.59	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.00	16.94	0.00	1.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.00	17.50	0.00	1.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.00	18.06	0.00	0.90	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.00	18.61	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.00	19.17	0.00	0.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.00	19.72	0.00	0.30	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	20.28	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.00	20.83	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*Manthana*



# June 2003 to May 2004

km/hour	m/s	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1.00	0.28	0.00	0.00	0.10	0.10	0.61	0.20	0.09	0.00	0.00	0.31	0.10	0.00
3.00	0.83	0.10	0.00	0.10	0.20	0.71	0.61	0.18	0.00	0.33	0.31	0.61	0.20
5.00	1.39	0.31	0.00	0.00	0.51	1.43	0.92	0.28	0.46	1.32	1.33	1.63	0.41
7.00	1.94	0.41	0.00	0.10	2.10	2.35	1.33	0.46	1.27	1.46	2.04	3.67	1.33
9.00	2.50	0.82	0.10	0.10	2.20	3.16	2.14	0.64	1.84	4.02	3.98	4.49	2.04
11.00	3.06	0.82	0.10	0.10	2.35	3.77	2.65	1.10	2.30	5.50	5.82	7.04	3.16
13.00	3.61	0.92	0.10	0.31	2.45	5.20	3.67	1.65	3.22	5.50	6.84	8.26	4.08
15.00	4.17	1.22	0.10	0.20	3.88	5.31	3.98	2.30	5.18	7.48	8.77	8.37	4.17
17.00	4.72	1.22	0.10	0.41	3.67	6.84	4.49	3.03	6.56	9.13	8.50	8.88	4.17
19.00	5.28	0.92	0.31	0.41	3.26	7.55	6.22	4.50	7.50	8.36	8.30	7.50	4.20
21.00	5.83	1.22	0.51	0.51	3.67	7.75	7.55	5.05	7.20	9.13	8.20	7.30	4.30
23.00	6.39	1.63	0.61	0.61	3.98	8.85	7.86	7.10	8.10	8.50	7.50	7.35	4.50
25.00	6.94	2.14	0.51	0.82	4.59	7.65	8.00	8.10	8.00	8.00	6.43	6.53	4.60
27.00	7.50	2.35	1.22	1.43	5.92	6.56	7.55	9.99	9.20	6.06	6.21	5.61	4.80
29.00	8.06	2.65	1.53	1.73	5.51	6.78	6.12	8.34	9.43	5.03	5.12	3.90	5.10
31.00	8.61	3.16	2.24	3.67	5.61	6.12	6.01	8.10	6.63	4.50	4.18	3.88	5.15
33.00	9.17	3.47	2.86	4.08	6.43	5.50	6.84	8.23	5.70	4.23	3.77	3.37	5.20
35.00	9.72	5.41	4.18	4.90	5.92	4.59	5.71	7.50	4.93	3.42	3.37	3.16	5.20
37.00	10.28	6.73	6.02	7.65	7.12	2.96	4.18	7.74	3.32	2.52	2.96	2.55	6.50
39.00	10.83	7.50	7.35	8.06	6.50	2.04	3.77	5.95	3.15	1.53	2.45	2.14	5.51
41.00	11.39	9.59	8.47	7.00	5.50	1.73	2.86	3.93	2.21	1.35	1.63	1.33	5.10
43.00	11.94	9.00	9.08	7.50	5.45	0.92	1.63	2.24	1.11	0.63	1.02	0.61	4.39
45.00	12.50	8.98	8.50	7.67	5.20	0.51	1.02	1.33	1.02	0.63	0.41	0.41	3.98
47.00	13.06	7.96	8.20	7.98	3.12	0.31	1.22	0.71	0.43	0.36	0.20	0.31	3.06
49.00	13.61	6.73	7.86	7.96	1.73	0.10	0.92	0.61	0.34	0.27	0.00	0.20	2.35



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# June 2003 to May 2004

51.00	14.17	5.61	6.90	6.73	0.92	0.20	0.82	0.41	0.20	0.00	0.10	0.10	1.94
53.00	14.72	3.88	5.50	5.82	0.82	0.00	0.71	0.10	0.23	0.09	0.00	0.10	1.12
55.00	15.28	2.35	4.49	4.28	0.31	0.00	0.41	0.00	0.15	0.00	0.00	0.05	0.61
57.00	15.83	1.02	3.77	2.45	0.20	0.00	0.20	0.00	0.14	0.00	0.00	0.00	0.51
59.00	16.39	1.02	2.65	1.22	0.10	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.10
61.00	16.94	0.51	2.24	0.61	0.10	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
63.00	17.50	0.20	1.43	0.41	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.00	18.06	0.10	0.92	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.00	18.61	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.00	19.17	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.00	19.72	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.00	20.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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# June 2004 to May 2005

km/hour	m/s	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1.00	0.28	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.10	0.00	0.06	0.11	0.10
3.00	0.83	0.12	0.00	0.10	0.20	0.70	0.20	0.20	0.00	0.30	0.06	0.48	0.20
5.00	1.39	0.36	0.00	0.00	0.50	1.39	0.61	0.29	0.39	1.19	1.28	1.61	0.40
7.00	1.94	0.48	0.00	0.10	0.99	2.28	1.32	0.49	1.08	1.79	2.13	3.88	1.29
9.00	2.50	0.96	0.10	0.10	1.59	3.08	2.13	0.69	1.30	3.77	4.44	4.79	1.99
11.00	3.06	1.00	0.60	0.60	2.78	4.06	3.14	1.67	2.46	5.46	5.50	4.50	4.08
13.00	3.61	1.12	0.60	0.80	2.88	5.56	4.16	2.26	3.24	6.49	5.56	7.50	4.97
15.00	4.17	1.10	0.60	0.70	4.27	5.66	4.46	2.95	4.90	7.25	5.90	8.12	5.94
17.00	4.72	1.15	0.60	0.90	4.07	7.15	4.97	4.73	6.13	7.49	5.56	8.50	5.99
19.00	5.28	2.29	0.80	0.90	3.49	7.49	5.60	6.30	7.49	7.69	5.79	8.13	6.07
21.00	5.83	2.41	0.90	0.90	3.46	8.95	7.90	6.79	7.44	8.64	6.50	7.91	6.05
23.00	6.39	2.89	1.00	1.00	4.27	9.10	8.21	7.97	7.82	8.84	7.67	7.96	6.06
25.00	6.94	3.49	0.90	1.19	4.87	8.85	8.92	9.15	8.50	8.05	7.50	7.05	5.97
27.00	7.50	3.69	1.57	1.77	6.07	8.58	7.79	9.45	8.30	6.27	8.50	6.03	5.99
29.00	8.06	7.67	2.86	3.06	5.68	5.99	7.39	8.80	7.99	6.66	9.47	4.13	6.29
31.00	8.61	8.02	3.75	4.82	5.68	5.49	6.89	8.02	7.89	5.39	7.34	4.11	5.19
33.00	9.17	8.37	5.33	5.21	6.46	5.17	6.99	6.76	6.92	4.90	5.20	3.54	5.38
35.00	9.72	10.62	6.61	5.99	5.97	3.70	5.89	6.38	6.03	4.02	4.02	3.31	5.09
37.00	10.28	9.61	7.17	8.03	7.43	2.12	3.79	5.40	3.55	2.44	2.81	2.63	4.58
39.00	10.83	8.48	8.44	8.43	6.74	1.66	3.39	3.85	3.36	1.36	2.21	2.18	4.18
41.00	11.39	8.10	9.52	10.09	6.84	1.36	2.49	3.09	2.27	1.17	1.25	1.27	3.79
43.00	11.94	5.09	7.50	7.30	6.42	0.49	1.21	1.76	0.89	0.29	0.42	0.48	2.95
45.00	12.50	3.97	7.70	7.30	3.85	0.09	0.60	0.88	0.79	0.29	0.34	0.25	2.56
47.00	13.06	3.17	7.30	7.10	2.27	0.10	0.80	0.29	0.09	0.00	0.20	0.14	2.17
49.00	13.61	2.21	6.50	6.31	1.28	0.05	0.50	0.19	0.00	0.00	0.01	0.03	1.47



*Mani Mani*

**June 2004 to May 2005**

51.00	14.17	1.33	4.81	5.12	0.49	0.01	0.40	0.04	0.00	0.00	0.00	0.11	1.08
53.00	14.72	1.00	3.93	4.14	0.29	0.00	0.20	0.04	0.00	0.00	0.00	0.11	0.09
55.00	15.28	0.20	2.35	2.65	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.06	0.00
57.00	15.83	0.10	2.66	1.87	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.00	16.39	0.00	1.57	0.69	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.00	16.94	0.00	1.18	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.00	17.50	0.00	1.38	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.00	18.06	0.00	0.89	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.00	18.61	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.00	19.17	0.00	0.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.00	19.72	0.00	0.30	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	20.28	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.00	20.83	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*Mani Mani*



# June 2005 to May 2006

km/hour	m/s	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1.00	0.28	0.00	0.00	0.10	0.10	0.60	0.20	0.09	0.00	0.00	0.30	0.10	0.00
3.00	0.83	0.12	0.00	0.10	0.20	0.70	0.60	0.18	0.00	0.30	0.30	0.60	0.20
5.00	1.39	0.36	0.00	0.00	0.50	1.39	0.90	0.27	0.39	1.19	1.29	1.59	0.40
7.00	1.94	0.48	0.00	0.10	1.00	2.29	1.29	0.45	1.08	1.79	1.99	3.58	1.29
9.00	2.50	0.96	0.10	0.10	1.59	3.08	2.09	0.63	1.30	3.78	3.88	4.38	1.99
11.00	3.06	1.00	0.60	0.60	2.79	4.07	3.09	1.52	2.46	5.48	6.17	7.37	4.08
13.00	3.61	1.12	0.60	0.80	2.89	5.57	4.08	2.06	3.24	6.50	7.17	7.50	4.98
15.00	4.17	1.10	0.60	0.70	4.28	5.67	4.38	2.69	4.91	7.27	7.50	7.70	5.95
17.00	4.72	1.15	0.60	0.90	4.08	7.17	4.88	4.31	6.14	7.50	7.80	8.86	6.00
19.00	5.28	2.29	0.80	0.90	3.68	7.50	5.50	5.74	7.93	7.70	8.00	7.80	6.08
21.00	5.83	2.41	0.90	0.90	3.98	8.96	7.76	6.19	7.90	8.66	9.06	7.70	6.06
23.00	6.39	2.89	1.00	1.00	4.28	9.12	8.06	7.26	7.92	8.86	7.96	7.56	6.08
25.00	6.94	3.50	0.90	1.20	4.88	8.86	8.76	8.33	8.52	8.06	7.17	6.77	5.98
27.00	7.50	3.70	1.58	1.77	6.08	8.60	7.65	8.60	8.32	6.28	6.87	5.79	6.00
29.00	8.06	7.68	2.87	3.07	5.69	6.00	7.26	9.80	8.00	6.67	5.79	5.01	6.30
31.00	8.61	8.03	3.76	4.83	5.69	5.50	6.77	8.93	7.90	5.40	4.32	4.02	5.20
33.00	9.17	8.39	5.34	5.22	6.47	5.18	6.87	7.53	6.93	4.91	3.93	3.53	5.39
35.00	9.72	10.64	6.62	6.00	5.98	3.71	5.79	7.10	6.04	4.02	3.53	3.34	5.10
37.00	10.28	9.63	7.18	8.05	7.44	2.12	3.72	6.01	3.56	2.44	2.54	2.15	4.58
39.00	10.83	8.50	8.46	8.44	6.76	1.66	3.33	4.28	3.36	1.37	2.05	1.76	4.19
41.00	11.39	8.12	9.53	10.11	6.85	1.37	2.44	3.44	2.27	1.17	1.27	0.97	3.80
43.00	11.94	5.10	6.01	7.31	6.43	0.49	1.18	1.96	0.89	0.29	0.59	0.19	2.96
45.00	12.50	3.98	5.91	7.31	3.86	0.10	0.59	0.98	0.79	0.29	0.00	0.00	2.56
47.00	13.06	3.18	5.32	7.11	2.27	0.00	0.79	0.32	0.10	0.00	0.00	0.00	2.17
49.00	13.61	2.21	4.82	6.32	1.28	0.00	0.49	0.21	0.00	0.00	0.00	0.00	1.48



*Mani Manikam*

# June 2006 to May 2007

km/hour	m/s	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1.00	0.28	0.00	0.00	0.12	0.12	0.50	0.30	0.30	0.00	0.00	0.36	0.30	0.00
3.00	0.83	0.12	0.00	0.12	0.24	0.60	0.50	0.40	0.00	0.30	0.36	0.72	0.24
5.00	1.39	0.10	0.00	0.20	0.30	0.90	0.80	0.50	0.40	1.20	1.56	1.92	0.48
7.00	1.94	0.20	0.00	0.20	1.20	1.80	1.30	0.90	1.10	1.80	2.40	3.40	0.90
9.00	2.50	0.20	0.12	0.30	1.70	3.00	2.00	1.50	1.60	3.80	3.80	4.50	1.30
11.00	3.06	0.30	0.12	0.30	2.76	3.50	3.12	2.00	2.00	5.00	5.00	5.60	1.50
13.00	3.61	0.40	0.12	0.36	2.88	4.00	4.32	2.16	2.80	6.30	6.90	6.70	1.90
15.00	4.17	0.90	0.12	0.40	4.56	5.90	4.68	3.40	4.50	6.80	7.20	7.90	3.30
17.00	4.72	1.50	0.12	0.48	4.32	7.20	5.28	4.60	5.70	7.30	8.00	8.70	4.30
19.00	5.28	1.60	0.36	0.48	3.84	8.00	7.32	6.40	7.50	7.60	8.40	8.40	5.52
21.00	5.83	1.70	0.60	0.60	4.32	8.60	8.88	6.60	8.20	8.30	8.70	7.90	6.24
23.00	6.39	1.92	0.72	0.72	4.68	9.00	9.24	8.04	8.40	8.50	7.60	7.20	5.76
25.00	6.94	2.52	0.60	1.50	5.00	8.00	8.00	8.80	8.20	7.70	6.80	6.40	5.90
27.00	7.50	2.76	1.44	2.00	5.50	7.00	7.20	7.80	8.00	6.00	6.60	5.50	6.00
29.00	8.06	3.12	1.80	3.00	6.00	6.10	7.00	7.00	7.50	6.40	5.50	4.70	6.12
31.00	8.61	3.72	2.64	5.00	6.30	5.20	6.10	6.70	6.00	5.20	4.10	3.80	6.24
33.00	9.17	4.08	3.36	5.50	7.00	4.30	5.20	6.50	5.40	4.70	3.70	3.30	6.30
35.00	9.72	6.36	4.92	5.76	7.30	4.00	4.20	6.00	5.00	3.80	3.30	3.10	6.00
37.00	10.28	7.92	7.08	6.00	7.40	3.60	3.20	5.90	3.30	2.80	2.90	2.70	5.50
39.00	10.83	8.00	8.64	7.00	6.00	3.00	3.00	5.30	3.00	1.70	2.40	2.50	5.20
41.00	11.39	9.90	8.90	8.00	5.20	2.60	1.80	3.50	2.50	1.50	1.60	2.00	5.00
43.00	11.94	8.90	8.80	7.80	4.10	1.70	1.20	2.20	2.00	0.70	1.00	0.80	4.00
45.00	12.50	8.00	8.60	7.00	3.20	1.10	0.90	1.30	1.20	0.70	0.40	0.60	3.90
47.00	13.06	7.80	7.80	6.50	2.70	0.30	0.50	0.70	1.00	0.40	0.20	0.40	2.50
49.00	13.61	5.60	7.50	5.50	1.70	0.10	0.30	0.60	0.80	0.30	0.00	0.30	1.50



*M. S. M. M. M.*

June 2006 to May 2007															
51.00	14.17	4.50	6.30	6.60	0.60	0.20	0.80	0.40	0.70	0.00	0.10	0.00	0.00	1.10	
53.00	14.72	3.00	5.00	5.70	0.40	0.00	0.70	0.10	0.60	0.10	0.00	0.00	0.00	1.00	
55.00	15.28	2.30	3.20	4.20	0.30	0.00	0.40	0.00	0.30	0.00	0.00	0.00	0.00	1.00	
57.00	15.83	0.70	2.50	2.40	0.20	0.00	0.20	0.00	0.10	0.00	0.00	0.00	0.00	0.00	
59.00	16.39	0.60	1.60	1.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
61.00	16.94	0.00	1.30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
63.00	17.50	0.00	1.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
65.00	18.06	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
67.00	18.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
69.00	19.17	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
71.00	19.72	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
73.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75.00	20.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*W. M. M. M. M.*



# June 2007 to May 2008

km/hour	m/s	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1.00	0.28	0.11	0.00	0.13	0.11	0.67	0.25	0.10	0.12	0.12	0.34	0.11	0.00
3.00	0.83	0.11	0.13	0.13	0.22	0.79	0.74	0.20	0.12	0.40	0.34	0.67	0.25
5.00	1.39	0.54	0.25	0.00	0.56	1.57	1.11	0.30	0.56	1.60	1.46	1.80	0.49
7.00	1.94	0.88	0.00	0.13	2.31	2.58	1.60	0.51	1.53	1.77	2.24	4.04	1.60
9.00	2.50	1.10	0.25	0.13	2.42	3.48	2.59	0.71	2.23	4.86	4.38	4.94	2.47
11.00	3.06	0.12	0.28	0.14	2.82	4.15	3.21	1.21	3.04	7.26	5.50	7.74	3.83
13.00	3.61	1.17	0.14	0.42	2.94	5.72	4.44	1.82	4.25	7.26	6.50	9.09	4.94
15.00	4.17	1.54	0.14	0.28	4.65	5.84	4.81	2.53	6.83	8.25	6.60	9.20	5.05
17.00	4.72	1.35	0.14	0.57	4.41	7.52	5.43	3.33	8.65	8.36	6.78	9.76	5.05
19.00	5.28	1.01	0.42	0.57	3.92	8.30	7.53	4.95	9.35	8.68	7.60	8.25	5.08
21.00	5.83	1.35	0.71	0.71	4.41	8.53	9.13	5.56	7.31	9.35	8.50	8.03	5.20
23.00	6.39	1.80	0.85	0.85	4.77	9.74	9.51	7.81	7.20	7.74	9.12	8.08	5.45
25.00	6.94	1.93	0.53	0.85	3.67	6.12	7.92	7.29	6.48	6.48	9.14	5.22	4.05
27.00	7.50	2.11	1.27	1.48	4.73	5.25	7.47	8.99	7.45	4.91	5.59	4.49	4.22
29.00	8.06	2.39	1.59	1.80	4.41	5.42	6.50	7.51	7.64	4.07	4.61	3.12	4.49
31.00	8.61	2.85	2.33	3.82	4.49	4.90	6.60	7.29	5.37	3.65	3.76	3.10	4.53
33.00	9.17	3.12	2.97	4.24	5.14	4.40	5.54	7.41	4.61	3.43	3.40	2.69	4.58
35.00	9.72	4.87	4.35	5.09	4.73	3.67	4.63	6.75	3.99	2.77	3.03	2.53	4.58
37.00	10.28	6.06	7.51	7.95	5.70	2.37	3.39	6.97	2.69	2.04	2.66	2.04	5.72
39.00	10.83	6.75	7.64	8.38	5.20	1.63	3.06	5.35	2.55	1.24	2.20	1.71	4.85
41.00	11.39	8.63	7.81	7.28	4.40	1.39	2.31	3.54	1.79	1.09	1.47	1.06	4.49
43.00	11.94	8.10	7.51	7.80	4.36	0.73	1.32	2.02	0.90	0.51	0.92	0.49	3.86



*Navan Mohan*

June 2007 to May 2008														
45.00	12.50	5.60	7.85	7.09	4.16	0.46	0.83	1.19	0.73	0.45	0.37	0.37	0.37	3.50
47.00	13.06	6.37	7.58	7.37	2.50	0.28	0.99	0.64	0.31	0.26	0.18	0.28	0.28	2.69
49.00	13.61	5.39	7.26	7.35	1.39	0.09	0.83	0.55	0.27	0.22	0.00	0.18	0.18	2.06
51.00	14.17	4.49	6.38	6.22	0.73	0.18	0.73	0.37	0.16	0.00	0.09	0.09	0.09	1.71
53.00	14.72	3.10	5.08	5.37	0.65	0.00	0.64	0.09	0.18	0.07	0.00	0.09	0.09	0.99
55.00	15.28	1.88	4.15	3.96	0.24	0.05	0.37	0.00	0.12	0.00	0.02	0.05	0.05	0.54
57.00	15.83	0.82	3.49	2.26	0.16	0.00	0.18	0.05	0.11	0.02	0.00	0.00	0.00	0.45
59.00	16.39	0.82	2.45	1.13	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.09
61.00	16.94	0.41	2.07	0.57	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.00	17.50	0.16	1.32	0.38	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
65.00	18.06	0.08	0.85	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.00	18.61	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.00	19.17	0.00	0.18	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.00	19.72	0.00	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	20.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.00	20.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*Mani Mani*

