

Summary of Wind Data :

**STATION : PATENGA (Sensor Height : 25m)**

<i>Name of the Months</i>	<i>Monthly Mean Wind Speed (m/s)</i>	<i>Standard Deviation (m/s)</i>	<i>Peak Wind Speed(m/s) (Date/time)</i>	<i>Lull Period (Hours)</i>	<i>Coefficient of variation</i>	<i>Prevailing wind direction</i>
July '96	5.87	0.67	16.92 (11/0230)	9.77	0.13	SE
August'96	5.32	0.62	21.08 (6/0840)	28.67	0.13	SE
September'96	3.36	0.48	14.83(27/1300)	111.00	0.18	SE/NW
October'96	3.20	0.55	22.33(29/1300)	94.50	0.20	NE
November'96	2.61	0.35	8.17(6/1820)	50.17	0.15	NE
December'96	2.97	0.37	8.58(3/1410)	21.50	0.14	NE
January'97	3.25	0.39	12.33(21/2330)	20.17	0.14	NE
February'97	2.66	0.34	11.5(6/2200)	124.80	0.15	NE/E
March'97	3.13	0.40	40.25(22/0450)	256.67	0.12	SW
April'97	2.88	0.45	27.75(22/1720)	210.50	0.18	E/SW
May'97	4.96	0.63	51.08(18/1900)	101.33	0.16	S
June'97	5.83	0.75	23.17(1/0650)	50.50	0.17	S/SE
July'97	5.67	0.76	19.38(29/1300)	45.83	0.17	SE
August'97	5.13	0.65	20.67(4/1010)	32.23	0.14	SE
<b>Annual Average</b>	<b>3.84</b>	<b>0.50</b>	<b>-</b>	<b>89.96</b>	<b>0.15</b>	<b>-</b>

## Percentage Frequency of Wind Speed Above 4m/s

<i>Name of the Months</i>	Patenga	Cox's Bazar	Kutubdia	Teknaf	Noakhali	Kuakata	Char Fassion
July '96	76.78	65.09	-	70.81	-	-	-
August'96	65.77	63.66	-	57.97	60.74	81.14	59.46
September'96	32.82	34.14	36.89	34.49	25.93	45.14	25.3
October'96	25.07	36.18	43.64	31	16.53	18.01	25.43
November'96	6.62	24.54	35.49	18.84	5.35	5.53	Lost
December'96	12.86	19.76	40.3	16.49	5.22	21.26	28.96
January'97	22.78	25.96	41.73	24.53	6.85	27.15	23.63
February'97	17.41	20.18	35	21.9	14.58	29.18	21.75
March'97	32.86	28.52	40.66	26.39	24.13	55.98	35.78
April'97	27.94	18.70	31.37	15.23	24.05	56.02	37.22
May'97	58.42	45.56	61.07	33.40	48.48	78.83	55.76
June'97	73.84	59.56	79.14	40.49	64.70	87.94	70.53
July'97	70.45	60.37	79.12	48.97	63.75	90.46	49.55
August'97	68.67	53.29	66.51	50.99	43.73	-	55.49
September'97	-	30.67	45.05	16.11	27.62	-	32.20
<b>Annual Average</b>	<b>42.31</b>	<b>39.12</b>	<b>48.92</b>	<b>36.26</b>	<b>33.20</b>	<b>66.29</b>	<b>45.39</b>

## Percentage Frequency of Wind Speed Above 5m/s

<i>Name of the Months</i>	Patenga	Cox's Bazar	Kutubdia	Teknaf	Noakhali	Kuakata	Char Fassion
July '96	61.47	50.12	-	57.78	-	-	-
August'96	49.24	45.16	-	42.07	40.53	71.09	50.30
September'96	16.20	20.90	17.70	21.06	15.67	31.13	18.24
October'96	14.78	19.78	24.96	20.88	10.73	14.72	16.47
November'96	0.25	8.68	10.30	8.01	0.53	0.51	Lost
December'96	2.13	10.57	21.10	8.29	0.40	2.49	5.97
January'97	8.18	14.61	22.47	15.41	2.04	3.27	4.50
February'97	6.10	11.43	16.47	14.09	6.45	7.69	9.40
March'97	22.00	20.05	25.18	18.71	15.95	38.26	24.73
April'97	15.76	11.69	17.20	9.07	14.07	41.37	24.07
May'97	42.70	34.32	42.72	24.35	35.30	67.74	45.92
June'97	61.11	47.18	66.41	28.15	51.20	79.49	59.07
July'97	54.70	48.36	66.51	38.64	48.63	81.35	51.34
August'97	49.35	41.20	53.18	39.16	34.79	-	45.77
September'97	-	18.70	26.94	11.32	17.22	-	21.99
<b>Annual Average</b>	<b>24.47</b>	<b>26.85</b>	<b>31.63</b>	<b>23.80</b>	<b>20.97</b>	<b>36.59</b>	<b>29.06</b>