



Photograph : Geological Survey of Public Food Storage
at Santahar, Bogra



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Appendix-7 Other Relevant Data

(3) Meteorological Survey Result

1) Air Temperature

a) Daily Maximum Temperature (deg C)

Day Yr/mth	Day																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
2005	Jan	26.7	25.4	26.0	24.2	25.7	25.6	25.2	24.0	24.2	23.4	23.8	23.0	23.2	24.3	25.5	26.0	21.0	24.4	23.2	22.2	23.0	19.8	23.0	23.0	24.0	25.0	24.0	25.2	23.8	27.0	24.2	
	Feb	20.0	22.5	22.5	23.7	25.8	26.0	28.0	28.5	28.5	28.5	29.8	31.5	29.6	29.0	31.7	30.7	29.8	31.0	30.4	30.2	29.3	28.2	26.5	28.2	29.0	30.2	29.7				28.1	
	Mar	30.8	32.5	31.9	32.8	33.0	33.2	33.2	30.7	30.5	32.6	29.4	30.0	31.5	32.3	31.8	31.2	32.2	28.8	31.2	31.3	34.4	31.7	30.5	21.7	28.0	31.2	31.0	30.5	32.0	30.8	29.5	31.0
	Apr	32.0	33.0	33.7	31.0	32.5	33.2	32.9	33.2	31.7	32.4	33.0	32.7	34.3	34.9	34.8	33.8	34.7	35.6	35.0	35.5	33.8	34.2	33.7	31.9	32.0	36.0	34.8	33.2	31.5	31.5		33.4
	May	31.5	33.0	34.5	30.6	29.3	31.0	31.7	30.0	32.8	38.7	38.5	35.5	33.5	34.2	30.5	36.2	30.3	30.5	32.1	26.0	30.5	29.0	27.2	31.0	33.5	33.2	35.5	36.7	35.6	36.1	36.5	32.7
	Jun	37.2	37.7	36.8	34.2	35.2	35.7	34.3	36.3	35.8	36.4	36.4	35.0	34.6	34.5	33.2	30.5	32.6	35.7	35.0	34.6	35.8	32.6	32.5	27.1	31.5	33.6	32.6	32.7	30.6	32.7		34.1
	Jul	32.0	31.0	29.2	30.6	30.0	33.2	34.0	34.0	33.4	32.4	30.1	30.8	27.2	27.4	29.0	30.7	32.1	31.7	33.6	33.0	31.4	31.5	31.8	32.8	34.5	33.6	33.0	34.0	34.4	34.5	33.7	32.0
	Aug	34.8	33.0	32.0	31.9	32.5	32.7	31.9	33.0	33.0	32.9	31.5	35.0	33.8	32.3	32.4	32.6	34.6	32.0	31.7	31.8	29.8	31.2	31.0	31.5	34.4	33.7	34.6	35.4	33.7	33.7	32.7	32.7
	Sep	33.2	36.0	32.8	36.6	31.2	32.0	34.2	34.0	34.0	33.0	32.4	34.0	32.7	33.4	33.2	36.3	34.8	35.1	31.3	29.2	32.8	33.4	32.5	30.2	32.5	34.8	34.8	33.1	33.0		33.5	
	Oct	29.2	26.0	28.0	29.2	28.4	28.0	32.0	32.6	34.0	34.2	34.0	33.4	31.0	33.5	32.7	33.0	29.8	27.0	26.5	25.8	25.0	25.2	25.5	29.0	30.6	31.8	31.5	31.3	32.2	30.8	30.1	
	Nov	30.0	30.6	30.3	30.6	31.1	31.0	31.1	30.2	32.0	31.0	30.7	29.5	29.1	29.5	30.0	29.6	29.0	28.9	29.0	27.4	28.7	28.5	27.5	27.0	25.0	27.8	28.2	28.6	28.8	27.8		29.3
	Dec	27.6	28.0	28.0	27.2	26.4	27.8	28.1	27.3	27.5	28.0	27.8	28.0	27.0	27.4	28.3	29.8	28.6	28.0	27.5	28.2	28.0	22.3	28.0	27.5	27.0	26.1	25.4	25.9	25.1	26.0	26.6	27.2

Day Yr/mth	Day																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
2006	Jan	27.8	26.5	26.2	26.2	24.5	24.5	19.0	18.4	15.5	21.5	23.0	23.2	23.0	21.7	21.0	21.1	23.2	25.7	23.5	25.0	26.2	25.0	24.5	23.6	25.0	26.7	27.6	27.4	26.8	27.6	28.6	24.2
	Feb	29.8	29.5	28.2	27.2	27.3	29.0	31.2	29.7	30.2	30.0	29.4	29.7	27.8	29.1	30.5	30.6	31.2	30.0	29.7	28.6	30.0	30.0	30.0	32.0	32.5	32.5	34.8	33.0				30.1
	Mar	30.2	29.5	30.0	31.2	31.7	33.0	33.0	33.5	34.5	32.2	23.9	28.3	30.6	31.0	33.2	29.6	31.0	31.0	31.4	31.8	33.2	35.0	32.7	33.6	35.8	37.0	35.6	32.8	34.7	35.0	35.4	32.3
	Apr	34.0	32.6	31.5	31.7	31.8	31.3	31.7	30.5	32.0	31.5	33.7	34.8	33.0	33.9	34.4	34.0	33.7	29.6	29.3	31.0	32.8	31.8	32.2	29.8	32.5	35.0	29.2	34.1	36.0	36.3		32.5
	May	36.2	34.5	34.0	35.3	34.4	34.3	29.6	32.0	34.2	32.2	31.7	29.5	29.8	32.5	33.7	35.0	36.5	37.3	36.5	34.2	35.8	34.8	35.3	35.4	37.0	33.7	30.3	28.1	36.7	32.6	33.7	33.7
	Jun	28.0	30.0	31.8	34.0	33.0	31.2	31.8	32.0	29.8	29.2	35.5	36.2	35.2	31.5	33.0	34.0	34.0	32.4	36.6	36.0	33.7	34.0	33.8	34.0	32.8	34.5	33.0	32.7	34.1	34.6		33.1
	Jul	37.0	35.4	34.0	33.0	34.7	34.0	32.1	32.8	32.2	30.2	30.0	33.0	32.8	33.8	33.1	34.0	34.0	33.6	32.5	33.0	32.4	32.2	32.9	34.1	32.1	32.4	32.6	34.5	33.0	33.6	35.0	33.3
	Aug	35.7	34.7	32.0	32.6	32.0	30.2	31.9	32.8	35.4	34.5	37.0	34.5	33.2	34.0	35.2	35.0	33.8	33.6	31.9	35.1	34.6	31.0	32.0	32.0	33.6	33.3	34.0	35.7	33.0	32.7	31.2	33.5
	Sep	35.0	35.6	33.6	32.7	33.6	34.4	34.7	33.1	31.1	34.5	33.7	32.5	32.7	31.0	33.0	34.0	33.0	34.6	35.2	29.0	26.2	25.8	26.2	31.0	31.6	33.2	34.2	35.7	33.4	33.4		32.6
	Oct	32.5	32.6	34.2	34.5	31.6	31.0	33.2	33.5	33.7	33.1	34.6	32.0	32.7	31.7	33.0	33.2	32.7	32.3	33.2	32.0	31.5	31.5	31.9	32.0	33.1	33.3	33.0	33.2	32.6	32.6	32.0	32.7
	Nov	32.2	31.3	31.8	30.8	30.6	31.5	24.5	29.0	28.0	26.5	26.5	29.6	31.0	31.9	32.1	31.6	31.0	30.8	30.5	30.3	28.8	26.2	29.0	31.2	29.4	29.0	27.0	26.5	26.4	27.0		29.4
	Dec	27.2	27.5	27.2	27.6	27.7	28.2	29.0	27.5	28.1	27.4	27.0	26.0	25.2	24.8	26.0	28.0	29.1	27.8	27.6	29.5	29.5	29.0	28.3	26.7	26.0	26.0	25.7	24.7	21.8	23.5	24.2	26.9

Day Yr/mth	Day																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
2007	Jan	24.5	22.8	22.8	17.0	15.3	15.8	24.0	24.8	24.0	25.0	25.3	26.3	23.4	23.2	22.6	24.3	25.2	23.6	23.2	24.0	24.5	24.3	23.8	26.2	26.0	28.0	28.1	28.5	28.5	28.9	27.8	24.2
	Feb	24.2	25.6	25.0	25.2	21.7	24.1	23.8	23.3	27.0	28.2	28.4	24.8	19.8	19.5	23.6	24.6	26.3	26.3	26.3	27.0	27.0	28.4	29.0	30.0	30.0	27.0	29.0	29.0	29.2		25.9	
	Mar	22.8	23.2	27.2	28.0	28.0	29.0	28.0	28.5	30.2	31.0	32.2	33.0	30.0	24.8	29.3	26.7	28.2	29.0	30.2	32.2	32.7	33.0	31.2	33.0	31.2	32.3	33.6	33.4	34.5	35.2	35.0	30.2
	Apr	33.7	36.5	35.6	35.7	34.5	33.8	32.5	30.4	34.5	33.2	28.0	26.3	29.2	32.2	34.5	35.2	33.0	35.3	35.2	34.2	33.0	32.7	32.0	31.2	28.5	32.8	31.0	32.8	34.5	36.0		32.9
	May	37.1	37.5	36.8	36.5	38.0	37.3	33.0	34.8	35.2	32.8	34.5	31.2	35.2	33.6	32.0	33.0	34.7	34.5	32.6	34.4	34.7	37.0	37.3	38.0	35.2	34.8	36.0	37.0	39.0	39.8	40.5	35.6
	Jun	38.2	37.0	32.6	31.0	29.0	29.5	30.0	34.0	28.2	27.0	27.4	31.0	30.0	32.8	33.1	32.6	31.6	32.2	31.6	34.7	35.6	33.8	33.0	34.5	32.4	34.5	36.0	33.4	32.6	33.5		32.4
	Jul	32.0	33.8	35.3	35.0	32.2	31.2	33.4	33.5	34.0	35.1	35.2	35.2	35.4	35.2	34.5	32.3	31.4	33.2	31.7	29.8	27.8	27.5	29.6	31.0	30.1	29.0	30.0	33.0	31.0	32.2	32.2	32.2
	Aug	29.2	31.0	33.5	34.5	35.5	34.4	33.4	33.8	35.2	37.4	36.4	32.8	29.9	31.2	31.7	31.2	27.5	33.5	33.4	33.2	33.5	34.7	33.0	31.2	34.0	32.7	32.5	33.1	32.0	31.5	33.8	32.9
	Sep	34.0	32.5	32.0	32.0	30.8	29.5	31.1	29.3	31.8	33.4	33.0	33.2	33.6	33.4	33.7	32.5	34.6	35.0	36.0	35.5	34.0	30.0	29.0	30.7	33.0	31.8	32.8	33.4	32.7		32.6	
	Oct	33.5	32.7	34.5	33.8	35.5	35.5	35.5	33.0	25.4	31.0	31.2	33.0	34.0	30.7	31.8	29.9	31.8	28.0	29.4	31.4	32.2	32.0	31.3	31.5	33.0	32.2	31.4	31.0	31.7	32.0	32.8	32.0
	Nov	33.1	33.0	31.4	31.8	31.5	31.4	32.0	31.4	31.9	31.5	31.8	31.6	31.4	24.0	27.5	28.0	30.0	30.7	30.8	30.5	30.2	30.0	31.0	30.5	30.2	30.0	31.0	30.5	30.7	30.2	29.5	30.6
	Dec	27.3	28.1	27.5	26.5	27.2	28.4	26.2	26.8	27.0	27.9	27.5	26.6	27.5	27.4	27.0	27.2	26.0	26.0	26.0	26.0	25.5	24.4	23.7	24.4	26.0	26.5	25.4	24.1	21.2	24.4	25.7	25.0

Day Yr/mth	Day																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
2008	Jan	25.3	26.4	28.0	27.1	26.1	27.3	27.2	27.5	27.6	27.2	27.5	27.4	23.9	23.5	24.0	24.0	24.2	25.3	26.2	24.2	23.5	24.2	16.7	16.7	22.5	19.4	22.5	22.6	22.5	15.0</	

b) Daily Minimum Temperature (deg C)

Day		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
Yr/mth																																	
2005	Jan	11.5	12.4	13.7	14.6	13.9	12.5	12.5	11.1	11.2	10.2	13.0	12.2	12.2	10.7	9.7	10.8	11.6	14.0	14.7	11.8	8.5	11.4	11.8	12.0	11.8	11.5	11.4	11.0	14.8	13.0	13.8	12.1
	Feb	16.8	14.0	10.3	10.4	11.3	13.0	14.7	14.7	15.8	15.2	15.1	16.4	17.0	18.0	15.8	17.5	18.5	18.0	20.5	20.0	19.5	20.5	17.8	16.8	16.0	15.2	15.0	15.5				16.0
	Mar	17.2	18.2	19.5	19.5	20.0	20.8	21.7	21.6	19.3	20.0	21.2	19.5	19.5	19.2	19.3	19.3	22.6	21.4	21.8	21.9	23.2	23.3	21.5	20.3	19.0	18.8	20.8	21.3	22.8	23.6	20.8	20.6
	Apr	22.3	22.1	21.5	19.4	20.5	23.4	24.2	24.1	24.0	22.0	24.5	21.8	20.2	22.0	23.4	25.0	24.3	23.2	26.0	24.4	21.4	24.2	23.4	21.5	21.8	24.1	23.0	22.7	21.5	21.8	22.8	
	May	20.1	23.0	22.6	22.5	29.8	29.6	21.8	23.0	23.5	24.8	25.4	26.3	23.0	23.0	23.5	23.7	22.2	20.8	24.0	20.2	20.8	23.7	23.6	23.2	20.9	25.9	24.0	25.6	27.4	27.0	24.6	23.9
	Jun	26.1	28.5	28.5	23.0	26.2	26.0	23.5	25.6	27.2	27.2	27.5	28.1	24.0	26.3	25.6	25.4	25.4	28.2	27.7	27.2	27.8	27.5	26.8	24.2	25.0	26.4	26.4	26.0	25.4	26.2	26.3	
	Jul	26.8	26.3	26.0	25.5	25.5	25.3	27.7	26.9	26.8	26.8	26.5	26.4	24.0	24.6	24.4	24.6	26.4	26.0	24.0	25.5	26.2	26.9	26.8	26.6	26.0	26.9	27.1	27.4	27.9	27.8	27.6	26.2
	Aug	27.8	29.1	27.1	26.5	27.2	27.0	26.8	27.0	26.5	25.7	25.4	25.7	26.8	28.3	26.2	26.8	27.5	27.6	26.9	27.0	26.7	26.0	25.8	26.5	15.5	24.4	26.7	26.5	27.6	26.4	27.2	26.4
	Sep	27.6	28.0	27.0	25.4	26.8	27.0	25.8	26.0	25.9	24.5	25.0	25.0	26.5	26.7	26.6	27.0	27.2	27.8	26.9	24.0	25.0	24.5	26.0	25.8	26.4	26.6	26.5	27.0	27.2	26.4	26.2	
	Oct	24.8	24.5	23.8	24.0	24.0	24.0	23.0	24.6	24.2	24.0	25.0	25.0	24.8	25.7	24.8	25.6	25.9	23.6	22.3	23.0	22.0	22.5	21.8	21.0	21.6	22.0	21.4	22.8	23.0	22.2	20.5	23.5
	Nov	20.4	21.0	20.5	19.0	28.6	28.5	18.5	19.5	21.3	21.0	18.5	17.4	17.1	17.2	18.0	18.0	18.0	17.0	15.4	18.4	17.7	17.5	17.6	18.2	17.0	17.7	17.4	16.5	15.4	14.7	18.8	
	Dec	15.0	15.5	15.8	27.5	12.5	13.8	14.8	15.2	13.5	13.8	13.8	13.3	13.5	13.0	13.7	14.4	14.5	15.0	14.0	13.5	12.5	17.0	16.3	14.3	15.0	13.4	11.5	10.6	11.0	10.8	11.8	14.2

Day		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average	
Yr/mth																																		
2006	Jan	12.7	12.0	11.8	12.0	13.1	11.7	12.0	12.4	10.5	11.7	9.7	9.0	10.3	11.5	13.1	11.4	11.5	12.3	12.7	13.0	12.0	11.0	9.7	12.0	11.1	12.6	13.6	13.0	12.4	12.3	13.5	11.9	
	Feb	14.0	14.7	15.8	15.3	14.6	14.2	14.6	14.8	15.6	15.2	16.8	16.0	17.7	17.0	18.4	18.4	18.8	20.0	20.5	21.8	21.7	22.6	22.2	21.0	20.1	19.5	18.8	20.5				17.9	
	Mar	18.8	17.3	18.2	16.7	18.5	20.5	20.4	20.5	22.6	20.2	21.0	18.0	18.7	19.4	21.2	20.0	19.7	17.2	15.5	16.2	17.2	20.3	18.9	18.4	20.0	22.4	22.6	19.1	18.8	19.7	20.8	19.3	
	Apr	22.3	21.8	23.8	21.5	21.0	21.5	21.5	21.7	21.7	23.8	21.8	25.0	26.4	23.0	26.0	24.7	22.5	23.7	22.2	20.8	24.0	20.2	20.8	23.7	23.6	23.2	20.9	25.9	24.0	25.6	27.4	27.0	24.6
	May	25.8	24.6	22.4	26.3	24.5	23.8	22.5	23.2	25.7	24.7	22.1	22.5	21.4	21.9	23.0	25.2	25.0	25.9	27.2	23.0	24.7	26.0	23.5	24.8	26.0	26.4	25.5	25.1	23.5	26.4	24.4	24.4	
	Jun	23.5	22.8	24.2	26.5	26.3	26.2	26.2	26.1	25.8	26.1	23.6	29.2	28.4	24.0	24.4	25.3	25.3	26.0	25.3	28.0	25.6	26.4	27.0	27.0	27.0	26.6	29.0	26.9	26.4	27.0	26.1	26.1	
	Jul	28.3	26.7	27.6	26.9	27.2	28.0	28.0	26.2	26.8	26.8	26.0	26.4	26.4	26.6	27.5	27.0	27.3	27.3	27.3	26.5	26.0	25.6	25.8	27.0	27.6	26.8	25.4	25.7	26.6	26.6	26.8	26.8	
	Aug	28.3	25.5	27.1	25.7	26.4	25.5	23.4	24.1	26.4	25.8	28.2	27.8	27.4	27.2	25.0	27.0	26.0	25.7	27.0	27.3	27.4	26.2	26.5	26.8	26.0	24.5	23.7	24.0	24.5	25.6	25.6	26.5	26.8
	Sep	26.4	27.4	24.5	25.6	25.7	26.8	27.1	27.2	26.5	25.8	26.2	25.3	25.4	25.0	25.4	26.3	26.5	26.5	26.6	26.0	24.5	23.7	24.0	24.5	25.6	25.6	25.4	26.4	25.9	26.5	25.5	25.8	
	Oct	26.5	26.0	26.6	26.2	25.0	23.3	23.0	24.8	24.6	25.3	25.5	22.7	25.2	25.0	24.8	25.0	24.6	23.8	23.0	21.8	21.3	20.6	20.3	22.0	22.0	21.0	20.5	20.3	20.6	22.0	21.7	23.4	
	Nov	22.0	22.5	20.8	22.0	22.3	20.6	21.6	20.4	21.5	22.4	21.7	18.4	18.4	18.1	17.6	19.3	19.0	17.7	16.5	17.4	17.3	17.0	15.4	17.3	17.0	15.4	17.7	16.5	13.8	11.0	12.6	13.1	18.4
	Dec	13.0	11.5	13.0	13.6	14.2	14.4	14.5	14.7	15.3	15.3	15.0	17.0	12.2	12.2	12.4	14.0	15.1	16.3	16.4	16.5	16.1	15.7	15.2	14.4	11.5	11.8	11.2	13.6	13.8	14.2	11.7	14.1	

Day		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
Yr/mth																																	
2007	Jan	9.5	10.0	9.4	10.8	10.5	11.3	12.0	8.5	10.2	9.8	9.5	9.8	11.0	8.1	7.0	7.3	8.7	9.4	10.1	10.2	10.8	10.5	10.0	11.5	12.4	12.6	12.5	13.0	13.4	14.9	16.2	10.7
	Feb	18.0	16.4	16.5	17.5	18.5	15.4	16.0	16.0	15.5	14.7	16.3	17.3	14.8	15.8	14.3	11.5	14.4	13.6	13.3	12.3	13.9	14.3	15.2	16.0	16.5	17.3	16.4	16.3				15.5
	Mar	18.8	17.6	16.2	14.5	14.6	15.0	13.0	13.5	14.0	15.7	19.5	21.2	19.0	20.5	17.5	15.5	14.0	15.0	15.6	17.0	19.5	22.5	21.0	22.5	18.0	18.2	18.2	19.5	20.1	21.3	23.2	17.8
	Apr	23.2	25.0	25.0	25.0	25.5	24.8	22.2	22.0	23.8	22.8	22.0	21.2	18.4	22.0	24.0	24.8	24.6	24.6	23.8	25.4	22.0	22.0	22.7	22.4	21.5	22.7	21.8	23.3	24.3	24.8		23.3
	May	25.8	25.8	24.6	25.3	26.3	27.2	24.6	25.0	25.7	26.2	25.8	21.0	21.8	25.8	23.8	23.4	25.3	23.2	26.7	24.6	25.4	24.0	26.5	27.4	26.4	23.4	26.5	23.8	27.8	26.5	28.0	25.3
	Jun	26.8	24.8	22.8	21.2	23.0	22.0	24.0	23.5	25.7	23.8	22.8	22.6	26.2	25.8	26.2	24.8	24.9	26.4	26.4	25.8	28.4	28.0	25.4	27.3	27.0	27.2	28.2	26.5	27.0	26.9		25.4
	Jul	26.8	27.4	27.5	27.6	27.4	26.8	26.5	26.4	27.0	26.8	27.5	27.9	28.5	28.3	27.3	26.2	26.0	27.0	26.2	25.5	25.3	25.0	24.6	24.8	25.2	24.5	24.8	24.9	24.7	25.9	25.9	26.3
	Aug	25.3	24.6	25.0	27.4	27.4	27.6	27.8	26.2	27.7	29.0	30.0	26.9	27.0	26.7	25.8	25.8	25.3	24.6	26.0	26.5	26.6	26.8	27.4	27.5	26.5	27.0	26.8	27.0	27.4	27.4	26.6	26.7
	Sep	26.8	27.4	27.2	26.9	26.7	25.3	25.0	25.5	26.0	25.9	26.4	25.4	27.0	25.8	27.3	26.4	26.6	27.0	27.3	27.1	25.2	24.5	27.2	24.2	24.6	26.2	26.3	25.6	25.3	26.0		26.1
	Oct	26.5	26.0	26.4	26.6	26.5	27.6	27.5	25.9	24.0	23.2	24.9	24.5	24.5	23.7	25.7	24.0	23.5	22.7	23.0	22.5	22.0	21.8	22.4	21.2	21.0	21.3	21.2	21.6	21.3	21.0	22.8	23.8
	Nov	24.2	21.3	22.0	21.4	21.5	21.8	21.8	21.8	21.0	21.2	20.7	19.0	19.2	18.3	19.0	19.5	18.2	17.9	18.2	17.0	17.4	17.6	17.7	16.4	16.4	16.5	16.8	16.4	16.0	16.5		19.1
	Dec	16.6	16.1	16.0	16.2	14.8	14.8	14.5	13.8	12.7	13.4	13.3	13.0	13.8	14.0	14.5	13.2	9.4	11.0	12.4	10.0	9.3	9.8	12.4	11.6	12.0	13.0	12.6	12.3	11.5	11.8	11.5	12.9

Day		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
Yr/mth																																	
2008	Jan	11.8	12.3	13.6	13.0	12.0	11.4	12.5	13.0	12.6	12.6	13.8	12.5	11.0	10.7	10.8	11.0	12.6	12.5	13.5	16.5	16.0	8.0	13.7	13.8	13.4	14.5	13.4	10.0	10.2	13.0	11.4	12.5

Appendix-7 Other Relevant Data

2) Humidity

a) Daily Average Humidity

Yr/mth	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average	
2005	Jan	75	78	80	83	74	74	77	75	76	71	81	81	77	77	75	80	73	91	79	71	77	76	89	81	79	79	75	80	81	85	76	78.3	
	Feb	86	79	80	77	69	73	68	70	72	71	72	65	49	44	57	67	60	78	82	77	59	64	66	65	65	61	64	60				67.9	
	Mar	68	61	64	64	64	57	65	67	67	63	76	75	65	59	66	75	74	86	74	80	69	77	80	90	78	74	80	87	81	83	83	72.6	
	Apr	76	72	66	66	73	76	74	72	82	80	78	53	58	69	79	78	74	71	73	71	67	69	71	78	78	71	75	77	75	73		72.5	
	May	68	71	67	79	80	73	75	81	74	64	63	75	75	72	79	74	85	81	78	83	75	82	88	83	82	82	74	67	79	68	72	75.8	
	Jun	76	72	71	66	66	65	72	67	72	71	73	78	81	81	79	87	86	80	76	75	78	86	90	93	86	80	78	87	86	82		78.0	
	Jul	86	84	90	89	89	79	77	74	79	84	93	92	95	94	92	87	85	88	88	86	88	88	85	81	74	77	80	76	72	73	77	83.9	
	Aug	74	84	75	83	83	86	90	85	93	90	84	90	80	86	86	82	84	82	82	85	91	89	90	89	88	83	81	85	83	79	80	85	85.0
	Sep	82	79	87	82	87	89	87	79	80	81	83	75	79	79	78	74	76	75	78	90	94	86	82	87	90	86	79	80	85	86		82.5	
	Oct	89	95	94	92	87	89	83	83	82	78	78	78	83	80	81	81	85	89	90	92	92	96	89	85	80	79	76	82	79	73	76		84.4
	Nov	81	79	75	75	74	76	77	79	80	78	72	74	76	78	77	79	81	74	84	87	82	80	83	85	91	86	82	77	76	77		79.2	
	Dec	78	76	75	75	72	76	76	75	75	78	72	73	69	71	75	74	76	74	76	76	74	86	71	73	69	72	76	73	77	76	71		74.5

Yr/mth	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
2006	Jan	74	75	74	75	77	81	91	92	93	83	82	84	87	90	93	93	90	85	89	85	79	66	75	72	67	68	71	68	72	73	75	80.0
	Feb	74	74	80	80	81	79	72	74	71	71	72	73	78	74	82	81	70	81	84	88	83	85	81	76	74	67	46	51				75.1
	Mar	61	55	66	64	57	67	67	65	66	64	87	78	66	69	69	76	57	63	54	55	54	58	52	49	55	56	55	52	47	53	59	61.2
	Apr	70	73	76	81	82	81	76	81	82	82	79	81	77	74	76	74	69	82	78	72	70	79	68	77	72	73	79	69	85	81		75.3
	May	72	72	75	69	85	81	77	72	74	84	81	86	84	78	72	71	67	62	74	72	74	82	73	76	71	75	89	69	65	83	83	76.5
	Jun	89	86	84	77	84	85	86	87	91	94	78	79	83	87	81	78	79	86	72	75	78	77	80	80	88	80	85	90	88	80		82.9
	Jul	73	73	77	85	79	85	84	88	92	90	90	97	91	85	80	76	78	78	84	79	82	84	82	82	87	88	85	76	79	76		82.6
	Aug	80	74	83	78	79	89	91	86	79	81	74	70	81	79	78	72	80	82	83	78	81	80	86	89	79	82	78	85	84	83	90	81.1
	Sep	76	76	77	77	77	78	81	88	85	83	87	91	86	89	83	79	84	80	74	88	95	94	95	91	86	82	81	77	80	81		83.4
	Oct	89	85	84	78	84	89	82	79	82	82	87	85	84	81	84	80	82	76	80	77	84	79	76	79	76	76	72	73	72	74		80.3
	Nov	77	85	76	75	81	77	82	83	89	90	90	82	80	77	76	73	72	71	81	71	81	88	76	68	64	65	66	70	73	74		77.1
	Dec	71	73	75	76	77	80	73	76	79	76	76	76	80	68	80	78	73	67	74	78	72	76	74	73	74	75	75	74	80	90	82	69

Yr/mth	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
2007	Jan	77	80	81	88	96	92	87	77	73	75	73	67	66	68	68	67	72	73	81	78	78	67	83	74	76	73	72	72	72	76	85	76.4
	Feb	92	90	89	88	92	87	85	83	79	75	65	80	92	92	77	72	69	68	68	68	70	71	73	71	59	70	66	69				77.1
	Mar	87	88	71	70	80	62	61	61	56	67	67	68	64	67	56	58	65	67	65	65	80	83	68	55	53	49	58	58	66	63	55	66.0
	Apr	67	74	61	60	72	74	77	79	62	74	78	82	72	71	70	69	79	76	65	73	79	82	82	74	73	73	77	75	68	67		72.8
	May	58	58	58	62	63	62	74	73	74	80	77	85	73	69	78	72	78	76	81	81	83	70	68	69	74	77	74	77	74	67	69	71.3
	Jun	74	75	78	81	89	89	88	88	94	96	94	88	90	78	85	88	90	86	88	81	71	87	84	80	84	76	74	77	79	77		83.6
	Jul	87	80	75	74	78	80	88	81	82	83	76	74	76	76	79	80	88	90	87	88	95	92	89	84	91	94	90	92	88	88	88	84.6
	Aug	92	84	81	82	76	72	77	83	76	76	83	82	91	86	88	88	94	77	76	78	85	78	82	86	83	85	85	79	83	87	85	82.6
	Sep	80	84	86	86	82	94	91	91	84	85	85	81	79	82	83	87	80	77	76	68	65	79	85	87	81	84	83	79	84		83.0	
	Oct	80	85	81	85	79	79	78	88	94	86	84	82	80	83	84	82	82	87	88	76	75	81	78	79	76	78	77	79	78	76	75	81.1
	Nov	72	75	75	77	80	81	77	76	80	78	75	72	74	73	89	80	84	79	76	75	76	75	74	72	74	75	71	69	74	77		76.2
	Dec	76	77	80	79	78	78	80	73	72	73	77	74	75	75	71	67	66	74	66	71	71	78	84	79	77	84	88	91	85	80	78	76.7

Yr/mth	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
2008	Jan	74	83	77	76	78	73	77	74	75	79	78	69	69	76	78	82	84	85	83	91	77	70	87	94	83	91	83	68	67	93	90	79.5
	Feb	82	87	80	75	73	75	69	77	84	68	71	65	60	62	67	72	73	77	83	74	71	68	67	69	77	66	60	67	69			72.0
	Mar	67	70	80	77	75	81	81	80	77	75	78	70	78	79	70	66	63	76	72	67	72	82	84	76	76	74	70	60	66	68	75	73.7
	Apr	77	75	78	80	73	73	69	62	61	71	78	73	86	79	74	77	62	62	65	70	73	77	73	67	70	71	74	72				71.4
	May	67	74	69	71	73	76	74	84	73	71	70	67	76	70	73	68	73	74	72	71	79	74	76	89	77	76	77	75	75	76	80	74.2
	Jun	75	89	80	84	87	84	92	83	87	81	80	77	80	94	77	80	86	91	94	93	84	84	83	81	73	77	83	84	90	89		84.1
	Jul	95	84	90	82	86	83	77	78	76	84	80	92	89	92	92	89	86	84	89	94	88	93	93	89	83	82	81	77	80	79	78	85.3
	Aug	85	77	88	81	85	82	82	75	77	86	89	93	93	90	87	81	83	91	93	82	81	79	84	82	82	81	87	95	86	84	82	84.6
	Sep	84	85	82	84	83	91	80	78	84	78	79	78	80	77	78	77	81	85	83	80	83	88	89	80	75	84	84	89	83	79		82.0
	Oct	77	87	85	81	88	85	84	88	86	86	80	81	82	81	78	79	77	76	80	77	77	77	72	78	82	94	84	85	81	79	80	81.8
	Nov	76	78	77	77	78	74	74	73	77	77	75	72	71	79	75	77	73	73	73	73	75	69	76	77	76	76	73	74	74			

b) Daily Maximum Humidity

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average		
2005	Jan	96	95	97	96	95	88	93	92	91	93	95	100	96	96	96	96	95	96	97	96	94	97	99	100	97	97	96	95	97	97	95.6		
	Feb	95	95	97	96	95	95	93	93	92	96	94	97	88	86	88	86	85	93	97	92	77	86	86	92	89	93	91	93			90.4		
	Mar	90	89	90	90	93	73	91	91	93	93	91	97	94	84	91	93	90	93	92	98	94	91	96	96	93	94	93	96	96	95	93	92.0	
	Apr	93	96	84	86	91	91	91	93	93	89	96	91	83	85	93	92	83	92	92	88	89	91	96	94	91	92	87	89	89	95		90.5	
	May	94	91	92	94	95	92	93	92	92	89	87	92	89	86	89	93	94	91	93	91	91	95	94	94	92	93	83	83	90	90	91.1		
	Jun	92	92	89	80	80	90	88	83	91	92	90	92	95	93	90	93	92	96	86	92	96	94	95	96	96	95	89	92	96	94		91.3	
	Jul	95	95	97	97	96	92	94	94	92	92	96	98	98	98	97	94	97	96	96	95	96	96	95	96	95	97	89	97	93	92	91	94.3	
	Aug	93	93	83	91	94	96	94	93	98	96	98	98	96	96	93	96	93	92	93	97	96	96	96	95	96	94	94	95	92	96		94.5	
	Sep	96	96	97	97	96	97	96	95	96	94	91	92	92	93	92	91	89	97	98	97	97	95	96	96	96	95	96	93	96	95	94		94.7
	Oct	95	98	98	98	95	97	97	95	97	96	96	95	95	93	96	95	94	98	97	96	97	99	96	96	97	93	95	95	96	93	96		95.9
	Nov	95	95	92	91	93	92	94	93	93	92	92	98	95	96	94	96	96	96	95	96	98	98	98	98	98	98	98	97	94	96		95.0	
	Dec	97	96	93	91	92	89	91	94	92	97	97	92	94	95	92	94	93	96	95	95	95	95	95	95	95	89	89	96	94	94	96	91	93.7

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average		
2006	Jan	93	95	95	95	92	95	97	99	97	96	97	97	100	98	100	100	100	97	98	99	100	97	95	95	83	85	85	91	95	95	97	95.4	
	Feb	94	92	94	97	96	98	94	98	97	93	96	92	92	95	98	93	95	96	96	95	96	99	95	97	97	95	81	80			94.3		
	Mar	88	73	90	91	91	90	94	87	92	89	97	96	96	95	90	95	96	94	94	87	87	80	90	74	73	75	80	90	81	75	86	87.6	
	Apr	87	87	89	90	94	96	92	93	91	95	91	93	93	91	93	95	93	94	96	93	94	95	92	91	94	87	91	93	91	87		92.1	
	May	95	88	91	89	82	91	91	87	91	96	94	94	95	93	91	91	91	94	85	87	91	94	91	92	96	92	96	95	95	93	93	91.7	
	Jun	96	94	94	96	94	92	93	96	96	96	96	92	94	96	93	91	92	96	93	90	93	94	92	97	95	96	95	96	97	98		94.4	
	Jul	94	92	92	92	92	97	97	97	97	98	97	97	97	97	97	92	89	92	93	94	92	92	95	96	95	97	96	95	94	88	92	93	94.2
	Aug	94	94	89	93	92	96	97	97	97	96	94	85	92	95	96	92	92	92	84	94	92	92	92	92	95	94	97	95	92	92	97	93.7	
	Sep	96	94	96	92	95	92	92	95	95	96	96	96	96	97	97	96	95	96	95	86	96	97	96	96	97	95	96	92	94	95		94.9	
	Oct	95	95	97	96	97	97	96	96	95	95	96	96	95	96	96	96	97	94	96	91	95	95	96	93	96	96	91	93	93	91	89	94.9	
	Nov	91	95	96	93	94	95	94	95	95	100	95	96	96	94	95	93	92	93	96	96	98	98	92	94	87	91	96	95	93		94.4		
	Dec	91	92	91	95	95	97	98	95	98	94	93	93	97	95	95	95	93	91	95	93	97	94	94	93	94	94	99	95	98	97	93	94.6	

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average		
2007	Jan	96	97	97	97	100	100	100	97	93	93	95	93	95	96	92	97	95	97	97	100	97	97	96	92	97	96	93	95	93	96	96.0		
	Feb	99	100	98	98	99	99	97	95	97	94	95	93	98	99	99	94	95	94	94	94	96	96	95	92	95	93					96.0		
	Mar	93	97	96	94	95	92	89	89	94	87	85	94	91	96	96	81	86	91	92	96	88	90	95	98	80	82	85	90	91	91	75	90.4	
	Apr	81	91	96	94	92	95	87	90	87	91	92	91	94	87	87	92	90	96	87	89	95	93	87	85	84	89	93	93	91	94		90.4	
	May	89	81	82	82	87	79	87	91	100	92	92	95	96	88	93	94	93	91	92	94	93	94	90	89	89	92	93	89	90	97	90	90.5	
	Jun	90	91	93	95	96	93	95	96	97	100	97	96	97	96	96	95	93	94	96	95	96	97	99	93	96	92	93	92	92	92		94.8	
	Jul	95	93	90	85	89	88	96	95	95	92	94	93	92	96	92	95	96	95	96	96	97	96	97	96	97	96	97	96	96	92	96	94.2	
	Aug	96	96	93	96	95	90	91	94	96	97	92	92	95	92	95	96	97	96	94	92	97	93	93	95	96	93	96	96	93	93	95	94.4	
	Sep	93	93	94	97	96	97	97	97	96	96	95	94	96	92	95	93	94	97	96	94	87	86	88	92	92	95	93	95	93	95		93.9	
	Oct	96	95	96	94	96	92	95	96	98	96	96	97	96	96	97	93	96	97	95	96	95	93	95	94	96	92	95	94	96	92	95	91	95.1
	Nov	89	95	94	92	96	95	92	94	92	95	94	96	95	94	96	90	95	93	95	95	93	95	93	95	95	95	92	89	95	95		93.8	
	Dec	93	92	93	94	94	96	95	94	94	95	95	94	95	95	91	89	86	90	83	92	93	95	99	96	94	98	99	97	100	97	94	93.9	

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average		
2008	Jan	91	96	94	95	95	94	94	94	95	97	95	94	92	95	95	96	96	97	96	98	98	93	98	98	95	95	95	96	90	97	97	95.2	
	Feb	97	99	99	97	95	95	92	94	92	92	95	93	95	90	92	97	95	94	96	95	94	96	95	93	92	95	94	93	92			94.4	
	Mar	93	92	95	90	92	96	95	97	97	94	96	96	97	90	89	91	91	92	91	80	89	94	93	94	93	91	91	96	95	89	91	92.6	
	Apr	89	89	91	92	96	92	94	90	88	86	86	88	92	91	96	92	92	87	96	87	90	91	92	91	93	89	94	87	90	89		90.7	
	May	87	84	87	89	95	95	89	100	93	96	93	85	93	91	87	92	88	91	93	93	92	93	92	98	97	95	93	88	87	93	92	91.6	
	Jun	95	95	94	96	95	95	97	95	97	96	93	93	90	96	97	92	92	96	96	97	96	93	93	92	94	92	92	96	97	95		94.6	
	Jul	97	96	94	97	97	97	92	93	90	92	95	96	97	99	96	96	96	93	97	96	96	97	97	97	97	97	97	94	96	93	93	88	95.1
	Aug	93	96	94	96	96	97	93	93	93	96	97	98	98	97	96	95	93	97	98	94	93	94	95	93	95	95	96	99	97	92	95	95.3	
	Sep	93	96	94	94	96	97	98	93	93	95	97	94	94	93	94	91	92	96	97	96	93	98	97	96	95	95	96	95	97	95		95.0	
	Oct	94	96	96	95	95	96	96	95	96	96	95	96	97	96	96	97	95	93	93	93	95	94	96	91	91	92							

3) Rainfall (Bogra meteorological station)

Month	Day																															Total			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
2003	0																																	0.0	
	3																																		0.0
	6																																		0.0
	9	0.2																																	0.2
	12																																		0.0
	15																																		0.0
Total		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.2		
	0																			0.4														0.4	
	3											11.0																						11.0	
	6								0.8	9.0																								9.8	
	9									0.4																									0.4
	12	6.8																																	6.8
	15	4.5																																	4.5
Total		11.3	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.8	9.4	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.2		
	0										0.4																							0.4	
	3																										10.4							10.4	
	6																														25.4			25.4	
	9																														25.4				25.4
	12										0.4	8.4																			0.2	37.2			44.2
	15										0.2	8.4																							8.8
Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	17.6	0.0	0.0	1.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	25.4	25.6	37.2	124.8		
	0																																	0.0	
	3											2.0								23.0				2.0										23.0	
	6																																		0.2
	9	0.2																						0.4						0.2					0.2
	12																																		0.0
	15																																		0.0
Total		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	23.2		
	0																																		0.0
	3																																		0.0
	6																																		0.0
	9	0.4	10.6		0.2	0.4																													11.6
	12																																		0.0
	15																																		0.0
Total		0.4	13.2	0.2	0.8	0.0	0.0	0.0	0.0	0.3	0.0	7.5	21.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	52.0	0.4	12.0	53.8	0.0	4.7	27.8	0.0	0.0	0.0	0.0	0.0	212.3		
	0																																	0.0	
	3																																		0.0
	6																																		0.0
	9	0.4	10.6		0.2	0.4																													11.6
	12																																		0.0
	15																																		0.0
Total		0.4	13.2	0.2	0.8	0.0	0.0	0.0	0.0	0.3	0.0	7.5	21.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	52.0	0.4	12.0	53.8	0.0	4.7	27.8	0.0	0.0	0.0	0.0	0.0	212.3		
	0																																	0.0	
	3																																		0.0
	6																																		0.0
	9	0.4	10.6		0.2	0.4						7.5																							17.6
	12																																		0.0
	15																																		0.0
Total		0.4	13.2	0.2	0.8	0.0	0.0	0.0	0.0	0.3	0.0	7.5	21.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	52.0	0.4	12.0	53.8	0.0	4.7	27.8	0.0	0.0	0.0	0.0	0.0	212.3		

Day																																	Total					
Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total					
Jan		0																																0.0				
Feb		0																																	0.0			
Mar		0																																	0.0			
Apr		0																																	0.0			
May		0																																	0.0			
Jun		0																																	0.0			
Jul		0																																	0.0			
Aug		0																																		0.0		
Sep		0																																		0.0		
Oct		0																																		0.0		
Nov		0																																		0.0		
Dec		0																																		0.0		
Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Jan		0																																		0.0		
Feb		0																																			0.0	
Mar		0																																			0.0	
Apr		0																																			0.0	
May		0																																			0.0	
Jun		0																																			0.0	
Jul		0																																			0.0	
Aug		0																																				0.0
Sep		0																																				0.0
Oct		0																																				0.0
Nov		0																																				0.0
Dec		0																																				0.0
Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Appendix-7 Other Relevant Data

Month	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total		
		0																																	
3																																			0.0
6																																			0.0
9																																			0.0
12																																			0.0
15																																			0.0
18																																			0.0
21																																			0.0
Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0																																			0.0
3																																			0.0
6																																			0.0
9																																			0.0
12																																			0.0
15																																			0.0
18																																			0.0
21																																			0.0
Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0																																			8.0
3													6.0	4.2		8.0																		17.2	
6																																			1.3
9																																			0.0
12																																			0.0
15																																			17.2
18																																			0.0
21																																			0.0
Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	4.2	8.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	18.2	0.0		43.7		
0																																			1.3
3																																			19.5
6																																			72.2
9			7.4																																8.2
12																																			1.2
15																																			31.0
18																																			13.8
21																																			20.4
Total		0.0	7.4	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	44.8	0.0	0.0	0.0	31.6	20.0	0.0	0.0	0.0	0.0	18.6	167.6		
0	0.3																																	24.1	
3																																			18.4
6																																			45.6
9																																			45.8
12																																			44.5
15																																			8.1
18																																			60.2
21																																			39.0
Total	0.3	0.0	5.2	33.3	41.0	29.4	0.0	18.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	8.2	26.5	23.8	17.8	0.0	0.0	0.0	0.0	0.0	0.0	2.6	31.0	5.0	19.2	13.6	0.0	0.0	285.7		

Appendix-7 Other Relevant Data

Month Yr/Day		Jan		Feb		Mar		Apr		May		Jun		Jul	Aug	Sep	Oct	Nov	Dec
2010	1	2.6	310	1.5	310	1.0	90	3.1	130	2.1	90	2.1	130						
	2	2.6	310	1.5	310	1.0	270	3.1	130	2.1	90	3.1	130						
	3	2.6	310	2.1	270	2.1	230	4.1	180	2.1	130	2.1	90						
	4	2.6	310	2.1	270	2.1	270	2.1	180	2.6	180	2.1	130						
	5	2.6	270	2.1	270	3.1	230	2.1	130	3.1	180	3.1	90						
	6	2.1	310	0.0	0	3.1	230	2.1	180	1.0	180	4.6	50						
	7	1.0	310	0.0	0	2.6	230	2.1	130	2.1	130	3.1	180						
	8	1.0	310	1.0	270	3.6	270	2.1	90	1.5	230	4.6	180						
	9	1.0	310	0.0	0	3.1	270	2.1	90	3.1	90	1.0	180						
	10	1.5	310	0.0	0	3.1	270	3.1	90	2.1	130	1.5	130						
	11	2.1	360	1.5	270	1.5	270	3.1	130	3.6	230	2.1	180						
	12	4.6	360	2.1	270	2.1	230	3.1	130	3.6	130	2.1	130						
	13	2.1	360	2.1	270	0.0	0	2.1	90	3.1	180	2.1	90						
	14	2.1	310	3.1	270	2.1	90	4.6	270	3.1	180	1.0	130						
	15	2.1	270	0.0	0	3.1	90	3.1	310	2.1	130	1.0	130						
	16	2.1	270	0.0	0	1.5	90	3.1	90	2.1	130	2.1	180						
	17	2.1	270	2.6	270	1.0	50	2.6	90	2.1	50	0.0	0						
	18	2.1	310	4.1	270	2.1	50	3.6	90	3.1	130	3.6	180						
	19	1.0	270	1.5	230	2.1	230	3.1	50	3.1	130	1.0	130						
	20	3.1	310	1.0	310	0.0	0	3.1	130	3.1	180	2.6	180						
	21	2.6	310	2.1	230	1.0	90	2.6	90	2.1	130	1.0	90						
	22	2.1	310	1.0	270	2.1	130	3.6	130	3.1	130	2.6	130						
	23	2.1	310	1.0	230	2.1	180	3.1	130	2.1	180	1.5	130						
	24	2.1	310	0.0	0	2.6	180	3.6	180	3.1	50	2.1	130						
	25	1.5	310	1.0	90	3.6	180	2.1	130	2.1	130	2.6	90						
	26	1.0	270	1.5	270	3.1	130	3.1	90	3.1	90	2.6	130						
	27	2.1	310	1.5	270	3.6	180	3.1	90	2.1	90	3.6	180						
	28	2.1	310	1.0	230	3.1	130	3.1	90	2.6	90	2.1	270						
	29	3.1	310			3.1	50	2.1	90	1.5	90	2.1	130						
	30	2.1	310			3.1	50	3.1	50	3.6	50	1.0	130						
	31	1.0	310			3.6	90			3.1	130								

b) Daily Average Wind Speed (Unit: m/sec, Degree: Clockwise direction by setting north for 0)

Month Yr/Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	2000	1	0.6	0.2	0.2	2.3	2.1	0.2	1.5	1.4	2.0	1.2	0.0
2		1.2	1.2	0.9	2.3	4.6	0.4	0.8	2.0	1.7	0.5	0.2	0.7
3		1.4	0.8	0.2	1.1	2.1	0.2	0.6	1.4	1.5	0.0	0.3	0.4
4		1.3	0.3	0.7	1.7	0.7	0.3	1.0	1.0	1.3	0.4	0.7	0.7
5		1.5	0.4	0.6	2.3	0.0	1.5	1.3	1.2	0.7	0.2	0.2	0.0
6		1.2	0.6	0.6	2.1	0.6	2.5	1.0	0.7	0.5	0.3	0.2	0.2
7		1.5	0.5	1.0	2.5	1.3	1.0	0.2	0.7	1.0	0.8	0.3	0.7
8		0.5	0.5	1.0	2.7	0.9	1.8	0.9	0.5	0.2	0.0	0.0	0.3
9		0.2	0.4	1.2	2.4	0.7	1.6	0.7	0.8	0.0	0.5	0.2	0.0
10		0.2	0.0	0.9	1.7	0.7	1.0	0.8	1.4	0.7	0.8	0.4	0.0
11		0.3	0.3	0.0	1.9	0.4	1.2	1.2	1.4	0.8	0.4	0.3	0.0
12		0.2	0.5	1.2	2.0	0.3	0.3	3.3	0.7	0.3	0.2	0.9	0.2
13		0.3	0.5	2.3	1.5	0.9	1.3	2.2	0.9	0.9	0.2	0.3	0.9
14		0.4	1.5	1.2	1.5	0.9	1.5	1.1	1.5	0.5	0.0	0.3	0.5
15		0.5	2.0	0.7	0.5	1.0	1.0	1.0	0.2	0.8	0.7	0.2	0.8
16		0.3	0.5	0.3	0.5	0.4	0.7	1.0	0.5	1.2	0.6	0.2	0.4
17		1.1	0.4	0.7	2.6	1.0	0.4	2.9	0.3	1.3	0.5	0.0	0.2
18		1.3	0.7	0.5	2.1	1.4	1.5	2.9	1.2	0.9	0.3	0.3	0.2
19		1.0	0.6	0.3	2.5	1.2	1.9	2.3	1.7	1.7	0.2	0.3	0.0
20		0.3	0.5	0.9	1.0	0.3	1.4	2.5	1.0	1.4	0.4	0.3	0.3
21		0.5	0.5	0.3	1.6	1.1	1.7	0.9	0.5	0.2	0.3	0.3	0.2
22		0.4	0.7	0.9	1.5	1.5	2.3	2.0	0.2	0.0	0.2	0.0	0.8
23		0.7	0.5	1.0	2.7	1.5	1.3	0.7	0.3	0.8	0.2	0.0	0.3
24		0.5	0.8	1.2	2.4	1.0	1.1	1.2	0.5	0.7	0.4	0.2	0.2
25		0.3	1.2	0.8	1.5	0.8	1.5	1.7	0.4	0.7	0.0	0.3	0.3
26		0.6	1.3	0.6	2.0	1.7	0.8	0.5	0.2	0.6	0.0	0.5	0.3
27		0.3	1.1	0.8	2.0	3.3	0.9	2.0	0.2	0.7	2.2	0.4	1.1
28		0.3	0.7	0.5	1.4	1.9	1.1	1.3	0.5	0.4	3.1	0.0	0.0
29		0.8	0.5	0.8	1.5	2.1	0.9	1.3	0.9	0.5	1.4	0.7	0.5
30		0.2		1.1	0.7	0.3	0.7	1.5	1.5	0.8	0.4	0.2	0.5
31		0.3		2.3		0.9		1.0	1.7		0.2		1.0

Month Yr/Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	2001	1	0.5	0.0	0.4	2.0	2.4	1.1	0.9	0.4	0.8	0.2	0.3
2		0.8	0.9	1.0	1.5	1.6	1.7	1.2	0.3	1.7	0.3	0.0	0.0
3		1.5	1.2	0.6	0.8	0.5	0.2	0.8	0.4	1.0	0.4	0.0	0.0
4		1.4	0.3	0.8	0.5	1.1	0.8	1.2	0.8	0.5	0.0	0.4	0.2
5		1.2	0.3	0.5	0.6	1.9	0.8	0.4	0.0	0.8	0.7	0.0	0.0
6		0.8	0.3	0.7	1.2	1.5	1.7	1.8	0.7	0.8	0.2	0.4	0.0
7		0.4	1.2	0.3	1.5	1.3	0.4	1.9	0.0	0.8	1.0	0.4	0.2
8		0.0	0.5	0.7	0.6	1.1	0.8	1.6	0.8	0.8	0.3	0.3	0.0
9		0.1	0.0	0.5	1.7	0.7	1.7	2.1	0.7	0.2	0.8	0.3	0.0
10		0.8	0.5	0.3	2.8	2.0	0.3	2.9	1.3	0.5	0.5	0.6	0.0
11		0.8	0.2	0.3	2.0	1.0	0.6	1.9	0.7	0.3	0.2	0.7	0.2
12		1.0	0.2	0.7	3.0	0.8	1.2	1.0	0.3	0.5	0.2	0.8	0.7
13		0.8	0.3	0.2	1.9	0.4	2.6	0.8	0.7	0.2	0.3	0.4	0.9
14		0.4	0.3	0.8	0.8	0.6	5.3	0.7	2.0	0.8	0.7	0.6	0.4
15		0.8	0.2	0.7	0.5	1.2	2.2	0.8	1.2	0.5	0.3	0.5	0.4
16		1.5	0.2	1.3	0.8	1.0	1.4	1.5	0.7	0.0	0.2	0.2	0.6
17		0.8	0.0	0.8	1.5	0.5	1.8	1.3	0.0	0.8	0.4	0.2	0.8
18		1.0	0.0	0.8	0.5	1.5	1.2	0.7	1.0	0.0	0.4	0.3	1.7
19		0.4	0.5	0.7	2.0	0.8	0.7	1.3	0.7	0.4	0.3	0.3	0.4
20		0.7	1.0	0.0	1.3	0.7	0.3	2.1	0.8	0.2	0.7	0.3	1.7
21		0.3	1.2	0.3	0.6	0.9	0.3	1.7	0.8	0.3	0.2	0.0	0.9
22		0.2	0.5	1.4	0.6	1.2	1.1	0.7	1.0	0.0	0.2	0.2	0.6
23		0.9	0.5	0.7	0.4	1.3	1.0	1.0	0.3	0.2	0.8	0.5	0.3
24		2.0	0.7	1.3	0.4	1.8	1.0	1.0	1.8	0.0	0.7	0.0	0.2
25		0.5	0.7	0.4	1.2	1.5	1.0	1.1	0.8	0.2	0.3	0.5	0.0
26		0.5	0.8	0.6	1.8	0.0	1.7	0.8	0.8	0.0	0.7	0.3	0.0
27		0.0	0.5	1.0	2.7	1.1	1.3	1.9	0.4	0.2	1.1	0.2	0.0
28		0.0	0.0	1.2	1.7	0.0	1.2	2.5	0.3	0.3	0.3	0.0	0.0
29		0.0		1.3	2.7	0.9	3.3	1.0	0.2	0.3	0.3	0.0	0.2
30		0.0		1.2	2.7	0.7	2.0	0.4	0.8	1.1	0.3	0.3	0.5
31		0.0		1.5		0.3		0.8	2.0		0.9		0.5

Appendix-7 Other Relevant Data

Month Yr/Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2002	1	1.0	1.0	0.4	2.5	1.5	0.4	1.2	0.9	0.4	0.4	0.2	0.0
	2	0.8	0.9	0.0	3.3	2.8	0.9	0.2	0.5	0.3	0.2	0.4	0.3
	3	0.4	0.8	0.5	2.0	3.1	0.8	1.4	0.5	0.5	0.2	0.3	1.2
	4	0.0	0.3	0.8	0.7	1.6	2.6	1.3	0.2	0.2	0.3	0.3	0.5
	5	0.0	0.5	0.9	0.3	1.3	1.3	1.5	0.0	0.0	0.2	0.0	0.4
	6	0.4	0.4	0.3	0.4	2.2	1.5	0.0	0.2	0.0	0.3	0.0	0.0
	7	0.3	0.3	0.5	0.9	0.5	1.1	0.3	0.2	0.5	0.0	0.3	0.2
	8	0.0	0.7	0.2	1.7	0.8	1.7	0.9	0.6	0.5	0.2	0.3	0.2
	9	0.0	0.4	0.5	0.7	1.2	0.7	0.2	0.8	1.0	0.4	0.4	0.3
	10	0.0	0.3	1.0	2.1	1.4	1.3	0.2	0.7	1.2	0.3	0.2	0.0
	11	0.7	0.2	0.5	2.9	0.9	0.8	0.5	1.7	1.7	0.2	0.0	0.7
	12	0.5	0.7	0.4	2.4	0.7	1.3	1.0	1.8	0.8	0.2	2.4	0.0
	13	0.0	2.5	0.2	0.0	0.7	0.6	1.8	1.5	0.2	0.2	0.9	0.4
	14	0.4	0.9	1.1	0.9	1.3	0.5	0.5	0.7	1.0	0.7	0.4	0.0
	15	0.3	1.2	1.4	1.2	0.2	0.5	0.0	1.2	0.8	0.9	0.0	0.5
	16	1.2	0.7	0.7	0.7	0.3	0.5	0.7	2.4	0.9	0.2	0.5	0.0
	17	0.4	0.7	0.7	0.8	0.3	0.7	1.2	1.6	0.8	0.2	0.3	0.0
	18	0.2	0.7	0.5	1.6	0.2	0.2	1.5	0.7	0.3	0.2	0.2	0.0
	19	0.4	0.3	0.6	2.7	0.8	1.0	1.5	0.4	0.3	0.3	0.0	0.2
	20	0.3	0.5	0.4	0.6	2.3	1.0	1.2	0.4	0.8	0.3	0.0	0.0
	21	0.3	0.3	0.8	2.5	3.1	1.3	0.0	1.3	0.0	0.3	1.0	0.0
	22	0.4	0.0	0.7	1.6	2.5	1.7	1.3	0.8	0.3	0.0	0.3	0.2
	23	0.8	1.1	2.0	2.2	1.8	1.5	1.3	2.4	1.3	0.0	0.0	0.3
	24	1.3	0.2	1.3	0.5	0.7	1.2	0.6	1.1	1.5	0.2	0.3	0.2
	25	0.5	1.2	2.1	1.5	1.7	1.9	0.5	0.5	1.8	0.0	0.2	0.0
	26	0.0	0.8	1.8	2.2	2.1	0.7	0.2	0.2	0.0	0.3	0.0	0.2
	27	0.5	0.7	0.8	0.5	0.8	1.1	0.3	0.2	0.7	0.5	0.0	0.2
	28	0.2	0.7	0.6	2.2	1.0	1.0	0.3	0.5	0.5	0.3	0.0	0.4
	29	0.4		1.0	3.6	0.3	0.9	0.0	0.8	1.0	0.0	0.8	0.3
	30	0.7		1.5	1.8	0.8	0.2	0.2	0.6	0.4	0.0	0.4	0.5
	31	0.0		0.5		0.6		0.3	0.5		0.0		0.5

Month Yr/Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2003	1	0.0	1.0	0.0	1.2	0.5	0.5	1.0	1.2	1.3	0.0	0.4	0.5
	2	0.8	0.3	0.2	1.0	1.5	0.4	1.5	0.7	1.4	1.1	0.2	0.7
	3	0.2	1.3	0.3	1.2	1.2	0.0	1.5	0.8	0.8	0.0	0.0	0.0
	4	1.5	0.8	2.7	1.5	0.9	0.7	0.4	0.2	0.8	0.7	0.7	0.2
	5	0.8	0.7	1.7	0.7	0.9	1.5	0.5	0.7	0.8	0.5	0.2	0.0
	6	1.5	1.0	0.7	0.6	1.4	1.5	0.9	0.3	1.0	0.6	0.2	0.0
	7	1.2	0.3	0.4	0.9	1.7	2.6	1.7	0.6	2.3	0.8	0.0	0.2
	8	0.4	0.6	0.8	0.3	1.0	2.3	1.4	0.9	1.6	1.2	0.2	0.2
	9	0.4	0.2	0.0	0.8	0.4	1.2	0.9	0.3	1.1	2.9	0.0	0.3
	10	0.4	0.5	0.2	0.5	2.3	1.1	0.3	0.4	0.3	0.6	0.0	0.0
	11	0.5	0.3	2.1	1.8	1.3	2.0	0.9	1.3	0.6	0.8	0.0	0.8
	12	0.6	0.0	1.8	1.3	0.4	2.6	0.5	0.5	0.4	0.4	0.2	0.7
	13	1.1	0.0	0.8	1.0	0.0	2.7	0.5	1.3	0.5	0.0	0.0	0.0
	14	2.1	0.4	0.8	1.5	0.7	2.3	1.0	0.9	1.0	0.3	0.0	0.7
	15	1.0	0.2	0.2	1.0	1.0	1.3	0.7	0.2	0.0	0.0	0.7	0.4
	16	0.8	0.5	0.7	0.7	1.0	1.0	1.0	0.2	0.0	0.2	0.3	0.0
	17	1.2	0.0	1.5	1.0	1.6	0.7	0.8	0.3	0.4	0.3	0.0	0.0
	18	1.5	0.2	1.3	1.5	1.3	0.8	0.2	0.3	0.5	0.4	0.4	0.8
	19	1.5	1.2	2.8	2.3	0.5	1.8	1.0	0.2	0.9	0.2	0.2	0.6
	20	1.0	1.1	1.2	2.4	1.1	2.8	1.1	0.0	1.2	0.3	0.0	0.4
	21	1.3	0.9	0.4	0.8	2.6	3.0	1.2	0.4	0.5	0.2	0.5	0.5
	22	0.4	0.4	0.2	0.9	1.8	2.8	1.3	1.4	0.3	0.2	0.3	0.5
	23	0.2	0.2	0.2	1.5	0.9	1.4	0.4	2.3	0.2	0.0	0.0	1.2
	24	0.7	0.3	0.2	0.5	0.5	1.4	0.8	0.3	0.4	0.8	0.2	0.5
	25	0.2	0.3	0.3	1.0	1.0	0.5	3.8	0.2	0.4	1.7	0.3	0.2
	26	0.0	0.3	1.3	1.5	2.8	0.9	4.3	0.0	0.3	0.7	0.0	1.3
	27	0.3	0.0	1.0	2.0	2.7	0.8	2.5	1.2	0.5	0.5	0.4	1.3
	28	0.2	0.8	0.2	0.9	2.6	0.2	1.3	2.6	0.5	0.3	0.0	0.6
	29	0.5		1.4	2.0	1.2	0.7	1.0	1.8	0.2	0.0	0.3	0.7
	30	0.2		2.0	0.4	2.0	1.3	1.0	1.2	0.2	0.4	0.0	1.8
	31	0.0		1.8		0.4		1.3	1.2		0.9		1.3

Month Yr/Day	2004											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.0	0.0	1.3	3.0	0.0	1.7	0.2	0.4	0.2	0.2	1.7	0.2
2	0.8	1.5	0.5	1.2	0.5	0.3	0.6	0.2	0.5	0.5	1.1	0.2
3	0.7	0.7	0.5	2.1	0.5	0.8	1.3	0.4	0.2	0.4	0.4	1.3
4	1.3	0.9	0.2	2.1	0.6	1.4	1.7	2.0	0.2	0.5	0.8	0.5
5	0.9	0.3	1.2	0.8	0.9	0.2	1.3	2.1	1.0	0.5	0.3	0.0
6	0.5	0.3	0.9	2.6	0.3	0.5	1.6	2.1	1.1	1.2	0.0	0.2
7	0.5	0.3	2.7	1.3	1.3	0.3	1.2	2.3	2.0	2.1	0.2	0.0
8	2.5	0.5	0.5	1.1	1.3	0.7	2.1	1.3	0.8	1.4	0.0	0.0
9	1.0	0.6	0.3	2.0	1.3	0.7	1.0	1.7	0.7	0.2	0.4	0.2
10	1.2	0.2	1.6	2.1	1.7	0.0	2.0	1.3	1.5	0.0	0.2	0.0
11	0.3	0.5	0.3	1.8	2.4	0.0	0.5	2.3	2.8	0.0	0.4	0.2
12	1.5	0.7	0.7	1.8	3.2	0.8	0.7	3.3	6.7	0.0	0.4	0.0
13	0.7	0.5	0.4	2.0	2.6	2.3	0.7	2.3	4.0	0.5	0.3	0.3
14	0.0	0.2	0.4	0.2	1.8	2.1	0.8	0.9	3.5	0.4	0.0	0.7
15	0.3	0.0	0.5	1.5	2.0	0.9	2.0	1.2	2.8	0.4	0.0	0.0
16	0.2	0.7	0.0	1.7	2.3	0.5	2.1	1.1	1.5	0.0	0.0	0.0
17	0.2	0.6	0.8	2.1	0.6	0.3	1.0	0.3	1.7	0.7	0.3	0.2
18	0.2	0.3	1.0	2.1	1.2	0.6	2.0	0.9	1.4	0.5	0.0	0.2
19	0.0	0.4	0.9	2.5	1.0	0.6	2.0	1.3	0.7	0.0	0.2	0.4
20	0.0	0.9	0.7	2.0	1.9	1.3	1.4	2.0	0.3	0.0	0.2	0.0
21	0.2	0.4	0.3	1.6	1.7	3.4	0.4	1.1	0.2	0.3	0.3	1.0
22	0.0	0.3	1.7	1.4	2.0	2.3	0.7	0.5	0.7	0.2	0.3	1.0
23	1.0	0.3	1.8	1.4	1.3	1.1	0.9	0.7	1.1	0.6	0.0	0.7
24	0.9	0.4	3.1	0.4	1.0	0.8	1.2	0.2	0.8	0.3	0.6	0.3
25	0.8	0.3	2.8	0.3	0.8	0.4	0.6	0.2	0.3	0.3	0.3	1.2
26	0.9	0.3	2.5	0.2	1.0	0.4	1.0	0.3	0.4	0.2	0.4	1.7
27	1.0	0.3	2.6	0.4	0.9	0.7	2.2	0.2	0.6	0.3	0.0	1.0
28	0.8	0.7	1.0	0.7	0.7	0.4	1.2	0.3	0.4	0.4	0.0	0.9
29	0.0	1.7	0.7	1.3	1.3	1.7	3.1	0.8	0.0	0.2	0.3	1.0
30	0.8		0.4	1.0	2.0	0.7	1.9	0.4	0.5	0.7	0.9	1.0
31	1.0		1.4		1.5		1.6	0.6		0.9		0.3

Month Yr/Day	2005											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	1.0	0.2	1.0	0.5	2.5	1.3	0.8	0.3	1.5	0.0	0.3
2	0.0	1.3	0.6	2.2	0.3	2.8	0.5	0.6	0.5	2.4	1.1	0.7
3	0.0	0.3	1.5	0.9	0.7	2.8	0.7	4.4	0.5	3.0	1.4	0.7
4	0.0	0.8	0.8	1.6	1.7	2.0	1.4	3.8	0.0	1.7	1.0	0.5
5	0.6	0.8	1.1	0.8	0.7	1.2	1.1	1.8	0.6	0.5	0.7	0.3
6	0.6	0.8	1.7	1.8	0.9	0.8	0.3	1.2	0.0	0.0	0.8	0.8
7	0.8	0.9	0.9	1.3	0.9	1.0	1.3	0.5	0.0	0.5	0.2	0.4
8	0.9	0.2	0.8	2.3	1.3	0.7	1.3	0.3	0.3	0.2	0.4	0.3
9	0.8	0.3	1.0	2.1	0.5	1.7	2.3	0.2	0.7	0.2	0.3	0.2
10	0.8	0.8	1.0	2.0	1.3	1.0	2.1	1.1	0.7	0.2	0.7	0.4
11	0.5	0.0	0.9	0.7	2.3	1.3	0.8	0.5	1.3	0.4	0.9	0.3
12	0.6	1.5	0.0	0.9	2.3	1.2	0.8	0.3	2.6	0.5	0.3	0.6
13	1.5	3.8	1.4	0.7	2.3	1.6	0.3	0.2	2.0	0.2	0.3	1.4
14	1.2	1.5	0.6	1.4	2.1	1.2	0.7	0.3	1.2	0.7	0.4	0.7
15	0.0	1.7	1.1	1.2	2.3	2.1	0.4	1.7	0.8	0.6	0.0	0.3
16	0.0	0.7	1.5	2.0	2.6	1.3	1.1	0.9	1.1	0.3	0.0	0.3
17	0.0	0.7	0.9	2.5	2.2	1.7	1.0	0.3	1.0	0.0	0.0	0.2
18	0.3	0.7	1.3	1.3	1.6	1.3	1.5	0.7	1.3	0.8	0.0	0.3
19	1.5	1.2	0.8	1.3	3.1	2.9	0.8	1.4	1.0	1.7	0.2	0.3
20	1.3	0.8	1.0	1.2	2.2	0.5	0.6	2.1	1.2	0.6	0.0	0.2
21	0.4	2.2	1.4	1.1	2.3	1.7	0.3	1.4	0.3	2.1	0.0	0.3
22	1.0	1.7	2.3	1.5	2.2	1.1	0.0	1.1	0.5	0.2	0.0	0.0
23	0.3	1.3	2.5	1.2	1.6	1.6	0.5	0.4	1.3	0.8	0.0	0.6
24	0.7	1.0	1.8	1.2	2.0	0.5	0.8	0.2	1.3	1.0	0.8	0.0
25	0.7	1.5	1.0	0.7	2.0	0.2	2.2	1.3	1.7	0.4	0.6	1.3
26	0.3	0.6	1.2	1.3	1.7	1.3	3.1	0.7	0.2	0.5	1.0	1.1
27	0.0	0.5	2.4	2.0	1.3	3.9	2.1	0.7	0.3	1.1	0.9	0.3
28	0.8	0.7	2.1	2.3	2.2	3.5	2.0	0.8	0.3	0.4	0.8	0.2
29	0.3		1.0	2.3	2.5	2.5	3.0	0.7	0.3	0.2	0.3	0.0
30	0.4		1.6	1.2	2.1	1.3	2.6	0.9	1.2	0.5	0.2	0.5
31	1.1		1.7		1.4		1.7	0.5		0.3		0.7

Appendix-7 Other Relevant Data

Month Yr/Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2006	0.0	0.0	0.5	1.5	1.5	1.4	1.2	0.3	0.3	0.4	0.4
1	0.0	0.0	0.5	1.5	1.5	1.4	1.2	0.3	0.3	0.4	0.4	0.3
2	0.0	0.3	1.5	0.9	2.3	1.5	2.2	1.5	0.7	0.3	0.0	0.4
3	0.6	0.2	1.2	1.7	1.6	0.7	2.5	3.1	0.4	0.4	0.5	0.0
4	0.0	0.5	0.2	2.2	1.8	0.5	1.2	2.1	0.9	0.4	0.6	0.6
5	1.3	0.0	0.5	2.2	1.6	1.3	1.7	2.2	0.4	0.7	0.4	0.2
6	1.3	0.2	0.7	2.0	2.7	2.9	1.3	0.8	1.1	0.6	0.2	0.0
7	1.3	0.3	0.3	1.6	1.4	2.1	0.6	0.4	0.8	0.2	0.0	0.4
8	1.0	0.2	0.5	1.5	0.6	1.9	0.8	0.3	0.7	0.4	0.2	0.2
9	1.1	0.0	0.2	1.3	0.9	1.2	0.8	0.3	0.8	0.3	0.0	0.0
10	0.3	0.2	1.4	1.6	1.7	0.7	2.3	0.8	0.5	0.0	0.0	0.3
11	0.7	0.3	1.3	1.5	1.3	2.1	2.1	0.7	0.3	0.0	0.8	0.0
12	0.2	0.2	1.3	1.8	3.0	2.0	1.2	2.8	1.6	0.3	0.8	0.5
13	0.0	0.0	0.0	1.6	1.1	2.7	0.3	1.7	0.5	0.3	0.0	0.4
14	0.2	0.5	0.2	1.5	1.0	2.1	0.6	1.9	0.4	0.3	0.0	0.4
15	0.0	0.0	1.7	1.2	1.3	0.8	2.4	0.7	0.7	0.0	0.3	0.3
16	0.0	0.7	0.7	1.7	0.5	2.3	1.7	1.7	0.3	0.0	0.5	0.7
17	0.0	0.3	1.3	2.1	0.2	1.4	1.5	2.0	0.6	0.3	0.4	0.4
18	0.4	0.8	1.0	2.1	0.0	0.5	1.3	0.9	0.4	0.5	0.4	0.3
19	0.8	0.3	0.2	1.0	1.9	0.5	2.2	0.7	0.9	0.3	0.0	0.0
20	0.7	0.5	0.8	0.3	1.0	1.2	2.5	0.7	4.3	0.4	0.5	0.8
21	0.7	0.4	0.6	0.7	0.3	1.2	2.8	1.1	4.3	0.3	0.0	0.0
22	1.1	0.8	0.7	0.5	0.8	0.5	1.0	2.8	3.0	0.3	0.0	0.0
23	0.7	0.3	0.3	1.0	0.2	1.2	0.4	2.1	2.8	0.7	0.2	0.5
24	1.0	0.7	0.5	1.2	0.8	1.3	1.2	1.3	1.7	0.5	0.7	0.2
25	1.5	0.8	0.2	0.5	0.5	0.4	0.9	0.4	0.7	0.4	0.8	0.4
26	0.8	1.0	1.3	0.9	2.4	1.5	0.3	1.2	0.2	0.8	0.3	0.0
27	1.0	2.0	0.7	2.2	1.3	0.7	0.8	0.3	0.2	0.7	0.0	0.0
28	1.1	2.8	1.3	1.0	2.0	0.7	1.8	0.8	0.7	0.3	0.2	0.0
29	0.3		0.6	0.5	0.8	0.5	3.3	2.1	0.0	0.4	0.0	0.0
30	0.2		0.2	0.9	1.6	1.0	2.2	0.8	0.3	0.7	0.3	0.3
31	0.3		0.2		1.5		0.6	0.4		0.3	0.3	0.3

Month Yr/Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2007	0.0	0.2	0.3	1.2	0.3	2.1	0.2	0.3	0.2	0.5	0.0
1	0.0	0.2	0.3	1.2	0.3	2.1	0.2	0.3	0.2	0.5	0.0	0.0
2	0.2	0.2	0.0	1.6	0.8	2.1	0.8	0.3	0.3	0.3	0.2	0.0
3	0.3	0.0	0.4	1.1	0.5	3.0	0.8	0.3	0.2	0.3	0.0	0.0
4	0.7	0.3	0.8	1.0	0.2	1.2	1.9	0.3	1.0	0.0	0.2	0.2
5	0.1	0.9	0.9	1.0	0.2	0.5	3.5	0.8	1.4	0.2	0.0	0.5
6	1.1	0.5	0.8	1.5	0.3	0.8	3.8	2.7	1.6	0.6	0.2	0.3
7	0.5	0.5	0.7	1.2	1.6	1.0	1.2	2.3	0.7	1.3	0.0	0.0
8	0.4	0.4	0.2	2.1	1.0	1.3	0.7	0.7	0.5	3.2	0.3	0.2
9	0.3	0.5	0.2	0.8	1.2	0.9	0.3	0.3	0.8	4.3	0.0	0.0
10	0.2	0.0	0.2	1.7	0.3	1.6	0.8	0.2	0.7	0.0	0.3	0.0
11	0.0	1.0	0.2	2.6	1.5	0.3	0.4	0.2	0.5	0.0	0.0	0.0
12	1.0	0.7	1.0	2.1	0.6	1.6	0.7	2.4	0.5	0.0	0.2	0.4
13	0.5	0.7	0.4	0.6	0.5	0.2	0.4	3.0	0.5	0.0	0.0	0.2
14	0.3	0.5	0.5	0.3	2.0	0.8	0.7	0.8	1.0	0.7	1.1	0.3
15	0.2	1.0	1.2	0.4	0.7	0.5	2.2	1.0	0.3	0.4	1.8	0.4
16	0.2	0.3	0.9	1.4	0.7	1.7	1.5	1.0	0.5	0.8	1.3	1.0
17	0.2	0.2	0.5	0.8	0.8	0.8	1.7	0.0	0.0	0.2	0.4	0.8
18	0.3	0.3	0.4	0.2	1.0	0.7	0.6	1.1	0.0	0.3	0.8	0.5
19	0.7	0.5	0.4	0.8	0.2	1.1	0.9	3.1	0.5	0.0	0.2	1.5
20	0.0	0.5	0.4	1.0	0.5	0.2	1.5	1.5	0.7	0.3	0.7	0.6
21	0.0	0.2	0.2	1.7	0.7	0.9	1.3	0.2	1.3	0.0	0.3	0.0
22	0.5	0.3	1.5	2.3	1.7	0.7	1.7	0.3	1.5	0.2	0.3	0.0
23	0.0	0.3	1.4	3.0	2.7	0.4	0.5	0.3	3.0	0.4	0.3	0.0
24	0.2	0.2	1.1	3.1	2.1	0.9	1.0	0.7	2.0	0.3	0.0	0.0
25	0.7	1.7	1.2	2.1	2.4	0.5	0.4	0.3	1.1	0.0	0.2	0.2
26	0.0	0.5	0.7	1.8	2.6	0.6	0.7	0.4	0.0	0.0	0.3	0.0
27	0.3	0.5	0.4	2.1	2.2	0.5	1.2	0.7	0.2	0.2	0.6	0.2
28	0.3	0.0	0.3	0.9	0.9	1.5	0.7	0.7	0.8	0.2	0.2	0.3
29	0.0		0.4	0.5	0.6	3.9	1.0	0.2	1.1	0.2	0.3	0.4
30	0.0		0.0	0.3	0.5	2.2	1.0	0.3	0.2	0.2	0.0	0.2
31	0.0		0.5		2.1		0.7	0.2		0.4		0.3

Month Yr./Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2008											
1	0.5	0.6	0.2	1.0	1.7	1.5	0.2	0.6	0.8	0.5	0.4	0.4
2	0.2	0.2	0.2	2.5	2.0	1.6	0.7	0.5	1.0	0.2	0.3	0.0
3	0.4	0.3	0.5	1.2	1.7	1.3	0.5	0.7	1.0	0.5	0.0	0.2
4	0.3	0.0	0.6	0.7	1.1	1.6	0.4	0.7	0.9	0.7	0.0	0.0
5	0.7	0.3	2.9	1.0	1.9	0.8	0.3	0.8	1.0	0.3	0.0	0.0
6	0.2	0.2	0.7	1.4	0.9	1.3	0.5	1.3	0.6	0.6	0.3	0.0
7	0.6	0.2	0.2	0.5	1.6	0.5	1.2	0.7	0.3	0.0	0.4	0.0
8	0.7	0.3	0.3	0.9	0.7	0.9	2.0	0.4	0.5	0.0	0.2	0.2
9	0.2	0.2	0.2	0.8	0.8	1.2	1.8	1.1	0.5	0.6	0.0	0.2
10	0.2	1.6	0.4	1.0	1.7	1.2	0.7	3.3	0.7	0.0	0.2	0.0
11	0.3	0.3	0.4	1.1	0.7	1.1	1.0	2.4	0.5	0.3	0.0	0.0
12	1.0	0.8	0.2	1.8	0.8	1.2	0.2	0.5	0.2	0.3	0.0	0.0
13	0.3	0.5	0.2	1.0	0.8	0.7	0.3	0.0	0.4	0.0	0.3	0.0
14	0.4	0.5	0.9	1.4	0.6	0.0	0.2	0.8	0.5	0.0	0.2	0.7
15	0.3	1.0	0.5	1.7	0.7	0.6	0.4	1.0	1.3	0.2	0.0	0.3
16	0.0	0.2	0.3	1.2	0.4	1.6	0.9	0.9	2.2	0.3	0.6	0.0
17	0.2	0.2	0.6	1.0	0.5	4.1	0.7	0.8	2.5	0.4	0.2	0.4
18	0.0	0.3	1.2	1.3	2.4	3.0	1.5	0.0	1.4	0.2	0.3	0.5
19	0.3	1.7	1.3	1.1	1.5	1.3	0.5	0.5	1.1	0.3	0.0	0.5
20	0.3	1.2	1.5	1.0	1.4	0.3	1.0	1.9	0.2	0.3	0.0	0.2
21	0.5	0.5	1.3	1.2	1.2	0.6	0.7	0.8	0.3	0.2	0.0	0.4
22	0.2	0.3	1.2	0.8	1.6	0.7	0.9	0.4	0.2	0.2	0.5	0.6
23	2.2	0.2	1.3	0.4	1.2	1.0	0.3	0.2	0.3	0.2	0.3	0.9
24	0.2	0.2	1.7	1.2	0.8	0.5	0.4	0.2	0.7	1.0	0.5	0.9
25	0.5	0.8	0.7	1.5	0.3	1.0	0.3	0.5	0.4	2.5	0.0	0.7
26	0.2	0.3	1.1	1.6	1.0	1.3	0.8	1.3	0.2	2.6	0.0	0.4
27	0.6	0.7	1.4	2.8	0.8	2.1	0.8	1.0	0.8	3.0	0.2	0.0
28	1.7	0.3	0.5	2.5	1.8	1.4	1.5	0.0	3.3	0.5	0.3	0.3
29	0.5	0.5	1.7	1.3	1.4	0.8	1.6	0.4	1.3	0.3	0.2	0.4
30	0.8		1.8	1.5	1.8	0.7	1.4	1.0	0.3	0.4	0.2	0.2
31	0.5		2.1		2.0		1.3	0.7		0.4		0.0

Month Yr./Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2009											
1	0.5	0.5	0.8	1.1	2.1	0.3	0.7	0.2	0.3	0.2	0.4	0.5
2	0.4	0.5	0.4	1.2	1.8	0.5	0.5	0.0	0.3	0.7	0.3	0.0
3	0.5	0.2	0.2	1.8	0.9	0.7	0.4	0.0	0.2	0.7	0.2	0.0
4	0.5	0.2	0.0	1.7	0.2	0.2	0.8	0.3	2.3	0.4	0.2	0.0
5	0.0	0.2	0.2	0.7	1.2	0.5	1.2	0.5	3.9	1.0	0.0	0.0
6	0.0	0.3	0.8	0.7	1.3	0.0	0.8	0.2	1.8	1.7	0.2	0.0
7	0.4	0.0	0.5	0.5	1.3	0.2	2.0	0.3	1.6	1.3	0.2	0.0
8	0.3	0.4	0.0	0.6	1.3	0.6	1.9	0.2	4.2	0.7	0.2	0.3
9	0.3	0.3	0.2	0.7	1.7	1.5	1.9	0.6	1.3	0.4	0.2	0.4
10	0.7	0.2	0.5	0.4	1.2	1.9	2.2	0.6	0.2	0.2	0.0	0.4
11	0.2	0.0	0.5	0.9	1.2	1.0	1.9	1.1	0.0	0.3	0.0	0.0
12	0.2	0.8	0.9	0.7	0.2	1.0	1.2	1.0	0.5	0.3	0.0	0.2
13	0.5	0.4	0.5	0.7	1.3	1.2	0.5	1.5	0.2	0.5	0.2	0.2
14	0.0	0.3	0.8	0.7	0.6	0.7	1.9	0.5	0.4	0.4	0.2	0.0
15	0.3	0.0	0.2	0.7	0.5	0.9	3.9	0.5	0.2	0.4	0.7	0.0
16	0.0	0.2	0.2	0.8	0.8	1.1	1.7	0.7	0.0	0.2	0.3	0.0
17	0.2	0.5	0.2	1.6	0.9	0.3	1.3	1.1	0.2	0.0	1.2	0.2
18	0.0	0.5	0.0	1.8	1.5	0.2	0.4	1.2	1.2	0.3	0.7	0.0
19	0.4	0.7	0.5	1.3	0.5	0.7	0.7	0.0	0.6	0.8	0.0	0.0
20	0.7	0.4	0.8	1.8	0.3	0.8	0.7	1.0	0.8	0.2	0.7	0.3
21	0.7	0.8	1.5	1.3	0.7	1.4	2.0	0.9	0.2	0.3	0.2	0.5
22	0.4	1.4	0.3	1.0	0.3	0.8	1.1	0.7	0.2	0.3	0.0	0.6
23	0.3	0.3	0.3	0.7	0.4	1.2	0.8	0.3	0.4	0.5	0.2	0.3
24	0.0	0.3	0.7	0.7	0.8	0.4	0.2	0.6	0.7	0.2	0.4	0.3
25	0.2	1.3	0.2	0.5	4.9	1.0	0.4	0.5	0.5	0.2	0.4	0.3
26	0.3	1.2	1.2	0.4	2.2	1.3	0.0	2.3	0.2	0.0	0.0	0.2
27	0.2	0.7	1.7	0.3	0.0	1.1	0.3	2.6	0.2	0.4	0.0	0.4
28	0.3	0.9	0.8	0.7	0.4	0.5	0.0	1.9	0.4	0.3	0.0	0.5
29	0.4		1.1	2.0	0.8	1.2	0.2	0.3	0.0	0.4	0.0	0.0
30	0.2		1.2	1.3	0.0	0.0	0.3	0.2	0.3	0.4	0.0	0.2
31	0.7		1.2		0.5		0.5	0.5		0.0		0.0

Appendix-7 Other Relevant Data

Month Yr/Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2010	1	1.1	0.2	0.2	0.9	1.2	1.2					
	2	1.7	0.2	0.3	1.7	1.2	1.7					
	3	1.6	0.6	0.5	2.4	0.8	1.3					
	4	0.9	0.3	0.7	1.6	1.4	1.6					
	5	0.6	0.7	0.9	1.3	1.0	1.9					
	6	0.8	0.0	0.7	1.2	0.2	1.7					
	7	0.4	0.0	0.7	1.5	0.7	1.7					
	8	0.4	0.2	0.7	1.0	0.5	1.2					
	9	0.3	0.0	0.8	0.8	1.0	0.3					
	10	0.6	0.0	0.8	0.8	1.3	0.8					
	11	1.3	0.2	0.4	2.1	1.7	0.6					
	12	1.4	0.8	0.5	1.9	2.6	1.2					
	13	0.3	0.4	0.0	1.9	2.5	0.8					
	14	0.4	0.5	1.0	2.5	2.1	0.3					
	15	0.5	0.0	0.9	1.4	0.9	0.3					
	16	1.7	0.0	0.7	1.3	1.6	1.1					
	17	1.7	0.3	0.2	2.0	1.3	0.0					
	18	0.7	0.8	0.7	2.5	1.2	0.6					
	19	0.5	0.2	0.3	2.0	2.1	0.3					
	20	0.7	0.2	0.0	2.0	1.3	0.8					
	21	1.8	0.3	0.2	1.6	1.6	0.5					
	22	0.8	0.2	0.5	2.9	1.3	1.0					
	23	0.8	0.2	1.1	2.3	1.1	0.6					
	24	0.8	0.0	1.6	2.5	1.0	0.8					
	25	0.3	0.3	2.3	1.8	0.7	1.7					
	26	0.4	0.3	2.2	1.9	0.9	1.3					
	27	0.6	0.2	2.6	1.4	1.5	1.2					
	28	0.4	0.2	1.2	2.0	1.3	0.6					
	29	0.9		2.5	1.2	0.7	1.0					
	30	0.8		2.1	1.2	1.5	0.4					
	31	0.2		2.1		1.5						

5) Lightning Strike

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2005	Frequency	0	2	18	14	30	14	14	33	18	13	0	0
	Days	0	2	8	9	15	7	9	16	12	4	0	0
2006	Frequency	0	0	6	24	37	27	14	28	19	14	1	0
	Days	0	0	2	15	18	11	7	14	10	7	1	0
2007	Frequency	1	3	5	16	26	54	7	10	20	7	2	0
	Days	1	3	2	6	13	17	4	7	9	4	1	0
2008	Frequency	0	0	4	6	26	25	21	27	17	11	0	0
	Days	0	0	2	3	11	11	8	14	9	5	0	0
2009	Frequency	0	3	16	5	22	27	11	15	17	7	0	0
	Days	0	1	6	2	11	14	6	6	10	4	0	0
2010	Frequency	0	0	2	11	24	46						
	Days	0	0	1	6	13	17						

6) Natural Disaster

a) Earthquake in Bangladesh and Neighboring Countries (1918 to 2010)

Date (DD/MM/YY)	Seismic center				Magnitude in Richter's scale
	Latitude (N)		Longitude (E)		
	Deg.	Mts.	Deg.	Mts.	
08-07-1918	24	30	91	0	7.6
09-09-1923	25	18	91	0	7.1
02-09-1930	25	30	90	0	7.1
24-03-1932	25	0	90	0	7.4
27-03-1932	24	30	92	0	7.4
09-11-1932	26	30	92	0	7.4
06-03-1933	26	0	90	30	7.6
21-05-1935	28	48	89	18	6.3
21-01-1941	27	0	92	0	6.8
23-02-1954	28	30	91	30	6.5
22-02-1959	28	30	91	30	5.7
18-02-1964	27	30	91	6	5.6
06-11-1965	27	12	91	36	4.8
06-09-1967	24	6	91	42	5.0
15-09-1967	27	24	91	48	5.8
14-11-1967	25	0	91	30	5.1
27-12-1968	24	6	91	36	5.2
05-11-1969	27	42	90	12	5.0
25-07-1970	25	42	88	30	5.2
28-08-1970	24	42	91	42	4.9
02-02-1971	23	48	91	48	5.4
31-10-1971	26	12	90	42	4.6
06-11-1972	27	0	88	42	4.8
21-09-1974	25	42	90	54	4.7
23-06-1976	21	24	88	42	5.3
21-05-1984	23	42	91	30	5.3
30-09-1984	25	24	91	30	5.4
03-05-2007	25	40	91	0	4.1
08-05-2007	25	21	90	10	3.6
18-05-2007	28	5	90	12	4.7
20-05-2007	27	15	88	44	5.3
25-06-2007	22	57	91	52	2.8

Date (DD/MM/YY)	Seismic center				Magnitude in Richter's scale
	Latitude (N)		Longitude (E)		
	Deg.	Mts.	Deg.	Mts.	
11-08-2007	26	27	89	24	4.9
31-08-2007	23	4	90	45	3.9
19-09-2007	25	18	90	59	4.6
13-03-2008	27	46	91	0	4.5
20-03-2008	24	42	90	38	4.4
09-05-2008	23	51	91	47	3.6
24-05-2008	27	59	89	15	3.2
29-05-2008	26	24	91	46	4.9
05-07-2008	26	7	91	39	5.1
06-07-2008	26	56	88	46	4.0
20-09-2008	23	50	91	7	4.8
20-09-2008	23	19	90	50	3.3
20-09-2008	23	41	91	3	4.6
20-09-2008	23	33	91	1	4.8
20-09-2008	23	48	91	6	4.3
21-09-2008	23	28	90	56	3.0
21-09-2008	23	48	91	3	2.9
21-09-2008	23	19	90	56	2.8
26-09-2008	24	25	90	24	3.3
26-09-2008	23	25	89	54	3.1
01-10-2008	24	23	90	13	3.5
04-10-2008	24	24	90	20	2.8
09-11-2008	26	32	88	21	3.6
19-11-2008	24	17	90	47	4.1
19-11-2008	24	27	90	25	4.0
19-12-2008	21	0	90	43	4.4
25-12-2008	27	4	88	15	4.5
05-01-2009	27	22	90	53	4.8
06-01-2009	24	11	89	25	4.7
29-01-2009	23	33	88	54	3.6
09-02-2009	23	58	91	21	3.1
16-02-2009	26	15	90	1	4.0

Appendix-7 Other Relevant Data

Date (DD/MM/YY)	Seismic center				Magnitude in Richter's scale
	Latitude (N)		Longitude (E)		
	Deg.	Mts.	Deg.	Mts.	
27-02-2009	20	29	89	31	4.8
14-04-2009	24	9	91	29	3.7
19-04-2009	25	37	91	28	3.4
25-04-2009	26	24	91	42	4.1
05-05-2009	26	32	89	1	3.4
15-05-2009	25	36	91	56	3.0
26-06-2009	23	15	91	10	3.7
13-07-2009	26	9	89	39	4.5
21-09-2009	27	40	91	36	6.4
21-09-2009	27	21	91	28	4.9
21-09-2009	27	20	91	13	4.7
21-09-2009	27	43	91	14	4.6
21-09-2009	27	31	91	25	4.4
22-09-2009	27	30	91	25	3.9
23-09-2009	26	15	89	24	4.3
30-10-2009	27	29	91	36	5.2
30-10-2009	26	40	90	1	4.2
08-11-2009	26	43	88	10	4.6
18-11-2009	27	35	90	1	4.4
19-11-2009	26	3	90	53	3.9
15-12-2009	21	42	91	56	3.4
31-12-2009	27	31	91	15	5.4
10-03-2010	24	50	90	38	4.1
12-06-2010	23	59	91	24	4.0
21-07-2010	27	12	91	10	4.5
31-07-2010	23	9	90	36	3.7
10-09-2010	23	9	90	29	3.6
10-09-2010	23	14	90	45	4.8
11-09-2010	25	52	90	39	5.2
15-09-2010	23	12	90	40	3.9
21-09-2010	24	48	94	45	4.4

b) Large Scale Earthquake in Bangladesh and Neighboring Countries

Seismic center	Date	Magnitude
Dispur , Assam , India	893	-
West Bengal , India	1737	-
Arakan , Myanmar	1762	8.4
Tibet , China	16-08-1833	8.0
Kachar , Assam , India	10-01-1869	7.5
Eastern Province , Nepal	14-07-1885	7.0
Shilang , Meghalaya , India	12-06-1897	8.8
Dauki , Meghalaya , India	08-07-1918	7.6
Assam , India	09-09-1923	7.1
Dhubri , Assam , India	02-07-1930	7.1
Eastern Province , Nepal	15-01-1934	8.4
Assam , India	1935	7.5
Tibet , China	15-08-1950	8.6
Arunachal , India	15-08-1950	8.5
Manipur , India	15-08-1950	8.0
Arunachal , India	16-08-1950	7.0
Manipur , India	16-08-1950	6.6
Assam , India	16-08-1950	6.7
Assam , India	26-08-1950	7.0
Assam , India	13-09-1950	7.0
Arunachal , India	30-09-1950	6.7
Arunachal , India	08-10-1950	6.6
Assam ,India	07-04-1951	6.8
Assam , India	21-03-1954	7.2
Assam , India	01-07-1957	7.2
Assam , India	22-03-1958	6.5
Tibet , China	29-07-1960	6.5
Myanmar	12-07-1964	6.7
Dauki , Meghalaya , India	08-05-1997	6.0
Arakan , Myanmar	21-11-1997	8.5
Arakan , Myanmar	22-07-1999	5.2
North-East Bhutan	21-09-2009	6.4
Arakan , Myanmar	21-09-2009	5.4

Appendix-7 Other Relevant Data

c) The Number of Earthquake Generation by Earthquake Intensity (1918 to 2009)

Year	Magnitude in Richter's scale								Total	Highest tremor
	Unknown	0 - 3.00	3.00 - 3.99	4.00 - 4.99	5.00 - 5.99	6.00 - 6.99	7.00 - 7.99	8.00 -		
1918							1		1	7.6
1923							1		1	7.1
1927						1			1	6.5
1930							2		2	7.1
1932							5		5	7.4
1933							1		1	7.6
1934						1		1	2	8.3
1935						3			3	6.5
1936							2		2	7.5
1938						3	1		4	7.2
1940						1			1	6.5
1941					1	3			4	6.8
1943							1		1	7.2
1954						1	1		2	7.4
1955						1			1	6.8
1956						3			3	6.3
1957						2			2	6.8
1958						1			1	6.4
1959					1	1			2	6.1
1960					1				1	5.7
1963				5	7				12	5.6
1964				4	3	4			11	6.7
1965				1	5				6	5.9
1966				3	4				7	5.7
1967				4	8				12	5.8
1968				2	2				4	5.2
1969		2		3	6				11	5.9
1970				4	6	1			11	6.5
1971				6	5				11	5.5
1972	1			6	2				9	5.0
1973				6	5				11	5.3
1974			2	9	1				12	5.1
1975				4	4	1			9	6.5
1976	2		1	8	1				12	5.3
1977	1				1				2	5.6
1978	3								3	
1979	3								3	
1980	3					1			4	6.0
1982	2								2	
1983	3								3	
1984	1				4				5	5.6
1985	9								9	
1986	5								5	
1987	5								5	
1988	6								6	
1989	24								24	
1990	8								8	
1991	4			2	2				8	5.3
1992	7			12	6				25	5.8
1993	6		1	10	2	1			20	6.3
1994	4			2	3	2			11	6.2
1995	6			3	2	1			12	6.4
1996	7								7	
1997		11	1	1	3			1	17	8.5
1998		9		1					10	4.9
1999	21								21	
2000	14	3	4	6	3				30	5.5
2001	3	2	13	16	4				38	5.5
2002	2	4	16	23	3				48	5.5
2003	1	2	6	5	5				19	5.8
2004			3	8			1		12	7.4
2005		2	10	8	5				25	5.6
2006		1	4	8	3				16	5.9
2007		7	21	19	33	42	11	1	134	8.5
2008		7	16	55	158	73	13		322	7.7
2009			19	37	105	56	12		229	7.9
Total	151	50	117	281	404	203	52	3	1,261	

d) Cyclone in Bangladesh (1960 to 2007)

Date (DD/MM/YY)	Situation	Place	Highest wind speed (km/hr)	Highest raised height of tide(ft)	Atmosphere (mbs)
11.10.60	Severe Cyclonic Storm	Chittagong	160	15	-
31.10.60	Severe Cyclonic Storm	Chittagong	193	20	-
09.05.61	Severe Cyclonic Storm	Chittagong	160	8-10	-
30.05.61	Severe Cyclonic Storm	Chittagong (Near Feni)	160	6-15	-
28.05.63	Severe Cyclonic Storm	Chittagong-Cox's Bazar	209	8-12	-
11.05.65	Severe Cyclonic Storm	Chittagong-Barisal Coast	160	12	-
05.11.65	Severe Cyclonic Storm	Chittagong	160	8-12	-
15.12.65	Severe Cyclonic Storm	Cox's Bazar	210	8-12	-
01.11.66	Severe Cyclonic Storm	Chittagong	120	20-22	-
23.10.70	Severe Cyclonic Storm of Hurricane intensity	Khulna-Barisal	163	Moderate	-
12.11.70	Severe Cyclonic Storm with a core of hurricane wind	Chittagong	224	10-33	-
28.11.74	Severe Cyclonic Storm	Cox's Bazar	163	9-17	-
10.12.81	Cyclonic Storm	Khulna	120	7-15	989
15.10.83	Cyclonic Storm	Chittagong	93	-	995
	Severe Cyclonic Storm	Cox's Bazar	136	5	986
24.05.85	Severe Cyclonic Storm	Chittagong	154	15	982
29.11.88	Severe Cyclonic Storm with a core of hurricane wind	Khulna	160	2-14.5	983
18.12.90	Cyclonic Storm (crossed as a depression)	Cox's Bazar Coast	115	5-7	995
29.04.91	Severe Cyclonic Storm with a core of hurricane wind	Chittagong	225	12-22	940
02.05.94	Severe Cyclonic Storm with a core of hurricane wind	Cox's Bazar-Teknaf Coast	278	5-6	948
25.11.95	Severe Cyclonic Storm	Cox's Bazar	140	10	998
19.05.97	Severe Cyclonic Storm with a core of hurricane wind	Sitakundu	232	15	965
27.09.97	Severe Cyclonic Storm with a core of hurricane wind	Sitakundu	150	10-15	-
20.05.98	Severe Cyclonic Storm with core of hurricane winds	Chittagong Coast near Sitakunda	173	3	
28.10.00	Cyclonic Storm	Sundarban, Coast near, Mongla	83	-	-
12.11.02	Cyclonic Storm	Sundarban, Coast near, Raimangal River	65-85	5-7	998
19.05.04	Cyclonic Storm	Cox's, Bazar, Coast between Teknaf and Akyab	65-90	2-4	990
15.11.07	Severe Cyclonic Storm with core of hurricane winds (SIDR)	Khulna-Barisal Coast near Baleshwar river	223	15-20	942

Appendix-7 Other Relevant Data

e) Tornado in Bangladesh

Date (DD/MM/YY)	Place	Area of devastation (sq. km)	Duration (Minutes)	Highest wind speed (km/hr)	People killed	Number of injured	Loss of property (Million BDT)
14/04/69	Demra	155.5-168.4	5-7	644	922	16,511	40-45
17/08/73	Manikganj	20.7	8-10	322	100	1,000	10
10/04/74	Faridpur	25.9-39.9	12-15	242	46	Innumerable	Several
11/04/74	Bogra	25.9-31.1	10-15	242	28	75	10
09/05/76	Narayanganj	2.59	1-2	242	1	42	Several
01/04/77	Faridpur	51.8	2-3	322	500	6,000	12
26/04/89	Manikganj (Saturia)	150.2	Several minutes	388-419	526	Innumerable	Several
20/04/90	Sirajganj	77.7	40	193	29	2,000	-
07/05/91	Gazipur	-	Several minutes	298	46	400	-
18/05/91	Gouranadi	207.2	Several minutes	251	17	400	-
08/05/95	Lowhajang	-	Several minutes	250	34	several	-
13/05/96	Tangail	16 unions	5-8	320-400	570	30,000	-

(4) Existing Facilities Survey Result for Railway Construction

1) The Purpose of Survey

A railway line connected to the construction area in the past, but it now has been already removed. At present, road is existing there, and 9 buildings exist along the road.

The Government of Bangladesh is planning to construct a railway line because rail transportation can be important way to discharge stored food in an emergency. It is necessary to manage and control properly the existing road and surroundings within 20 feet from road edge by Bangladesh Railway and it is prohibited to construct buildings in the managed area. Accordingly, it is necessary to remove 9 buildings in order to construct the railway to connect with the construction area of the Project at the time of construction by Bangladeshi side. The purpose of the survey is to grasp attitude of concerned persons in the proposed area of railway construction.

2) Summary of the Survey

a) Date: October 19, 2010

b) Scheme: Face to face interview

c) Target: 1 person / 1 building located along the existing road

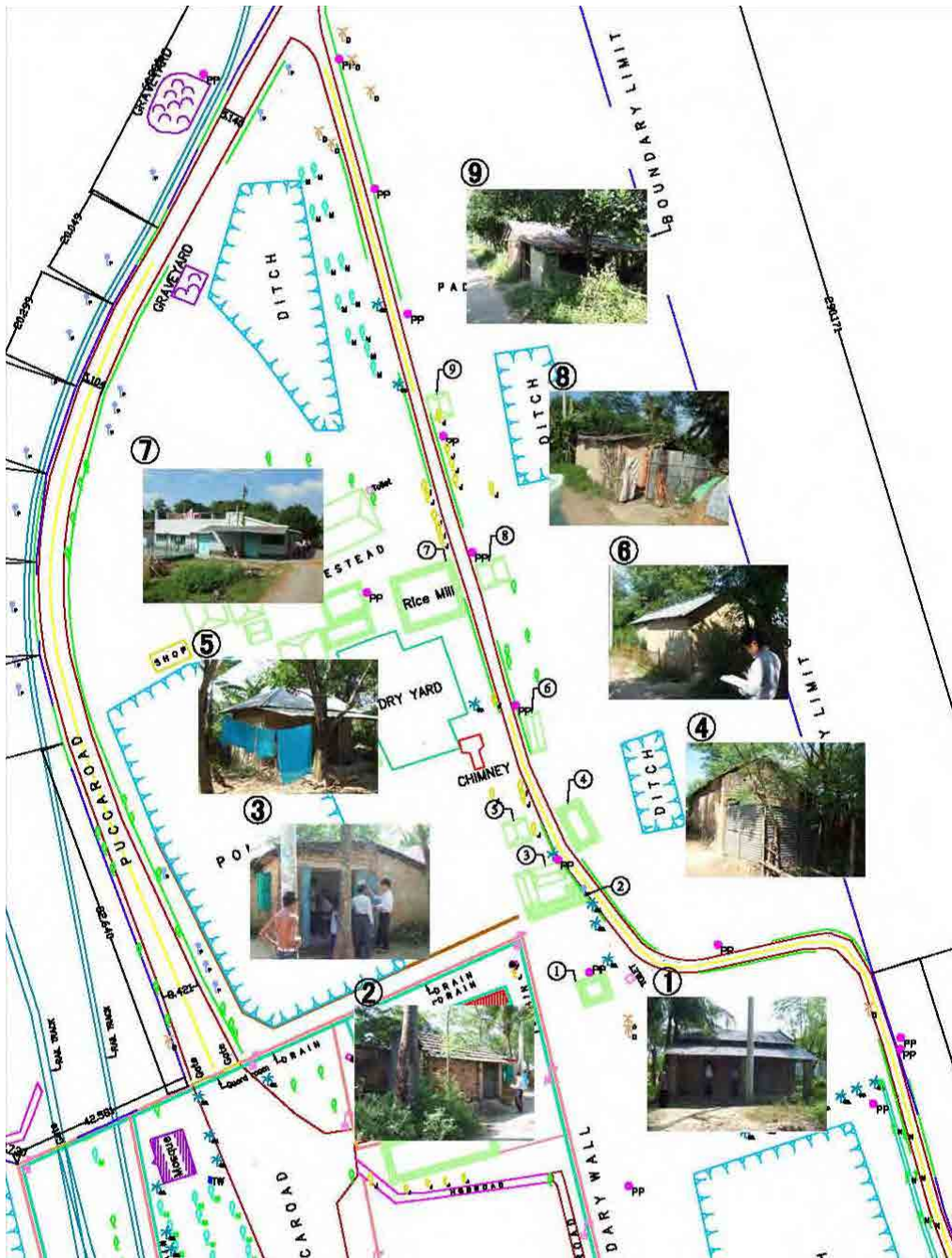


Fig Location of the Buildings

3) The Result of the Survey

a) Building Number	No. 1
b) Building type	Santahar Silo Labor Union Office
c) Number of Residents/Users	Unknown (absent)
d) Business	Unknown (absent)
e) Occupied Period	Unknown (absent)
f) Land Owner	Unknown (absent)
g) Building Owner	Unknown (absent)
h) Possibility for Relocation	Unknown (absent)

a) Building Number	No. 2
b) Building type	Residence
c) Number of Residents/Users	3 (Male: 1, Female: 2)
d) Business	Trading of rice and paddy
e) Occupied Period	More than 10 years
f) Land Owner	Government of Bangladesh (They bought lease permission of land)
g) Building Owner	Resident
h) Possibility for Relocation	There are no objections because he recognizes the land is owned by GoB.

a) Building Number	No. 3
b) Building type	Barber shop
c) Number of Residents/Users	1 (Male: 1)
d) Business	Barber shop
e) Occupied Period	20 years
f) Land Owner	Government of Bangladesh (He bought lease permission of land 20 years ago)
g) Building Owner	Shop owner
h) Possibility for Relocation	There are no objections because he recognizes the land is owned by GoB.

a) Building Number	No. 4
b) Building type	Residence
c) Number of Residents/Users	4 (Male: 2, Female: 2)
d) Business	Silo guard
e) Occupied Period	24 years
f) Land Owner	Government of Bangladesh (He bought lease permission of land in the year 2006)
g) Building Owner	Resident
h) Possibility for Relocation	There are no objections because he recognizes the land is owned by GoB.

a) Building Number	No. 5
b) Building type	Residence
c) Number of Residents/Users	Unknown (absent)
d) Business	Unknown (absent)
e) Occupied Period	Unknown (absent)
f) Land Owner	Unknown (absent)
g) Building Owner	Unknown (absent)
h) Possibility for Relocation	Unknown (absent)

Appendix-7 Other Relevant Data

a) Building Number	No. 6
b) Building type	Residence
c) Number of Residents/Users	Unknown (absent)
d) Business	Unknown (absent)
e) Occupied Period	Unknown (absent)
f) Land Owner	Unknown (absent)
g) Building Owner	Unknown (absent)
h) Possibility for Relocation	Unknown (absent)

a) Building Number	No. 7
b) Building type	Dwelling with shop
c) Number of Residents/Users	8 (Male: 4, Female: 4)
d) Business	Rice miller and trading
e) Occupied Period	100 years
f) Land Owner	20 feet or further from the road edge: Residence Within 20 feet of road edge: Government of Bangladesh (He bought lease permission of land)
g) Building Owner	Resident
h) Possibility for Relocation	There are no objections to remove the building within 20 feet. They would like to remain living in the residence.

a) Building Number	No. 8
b) Building type	Residence
c) Number of Residents/Users	6 (Male: 3, Female: 3)
d) Business	Farmer (share cropper)
e) Occupied Period	15 years
f) Land Owner	Government of Bangladesh
g) Building Owner	Resident
h) Possibility for Relocation	There are no objections because he recognizes the land is owned by GoB. They would like assistance with relocation as part of the grant aid

a) Building Number	No. 9
b) Building type	Livestock barn
c) Number of Residents/Users	Unknown (absent)
d) Business	Unknown (absent)
e) Occupied Period	Unknown (absent)
f) Land Owner	Unknown (absent)
g) Building Owner	Unknown (absent)
h) Possibility for Relocation	Unknown (absent)

4) Recommendation

All of residents and users interviewed by the survey recognize that the road and surroundings are owned by the Government of Bangladesh. They do not have any objections with the removal of buildings in the area owned by GOB, though they are holding lease permission to use the area.

They have lived in their residents constructed by themselves for more than 10 years. They have not considered the candidate area to transfer. Considering the above, it is recommended to solve with caution, to introduce alternative area to live, to assist resident construction by grant, etc. to enable for construction of the railway.