

Appendix -- 2

Meteorological data recorded at Research Farm, Selakui (Dehradun) and Research Centre's during 2015-16

Meteorological parameters	April, 2015	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan. 2016	Feb.	March
1	2	3	4	5	6	7	8	9	10	11	12	13
Dehradun												
Rainfall (mm)	32.3	3.9	60.3	682.3	514.9	59.9	4.4	1.4	6.7	0	21.5	37.6
No. of Rainy days	4	1	6	17	17	3	1	0	1	0	2	3
Mean Max. Temp.(°C)	31.3	38.4	36.6	32.3	31.6	32.8	31.4	27.6	22.1	20.9	24.4	29.2
Mean Min. Temp.(°C)	14.1	17.3	21	23.9	23.5	21.4	14.7	8.8	4.6	3.9	6.6	11.4
Mean wind velocity (km/hr)	1.7	2.2	2.2	1.1	0.9	1	0.7	1	0.7	0.7	0.6	0.8
Av. Daily bright sunshine (hrs)	6.7	7.4	5.8	3.3	3.1	6.6	6.5	5.6	3.8	3.5	5.2	5.8
Av. Daily evaporation (mm)	3.8	6.3	5.2	2.4	2.4	3.1	2.3	1.6	0.9	1.1	1.7	2.9
Relative humidity (%) 07.19 hrs	91.6	80.7	75.8	95.3	96.3	91.1	94.2	93.3	93.5	93.9	93.5	93.3
Relative humidity (%) 14.19 hrs	40.7	33.1	45.1	81.3	82.5	65	51	44.5	52.2	46.4	43.6	37.2
Chandigarh												
Rainfall (mm)	17.7	5.9	76.0	251.6	282.0	69.4	17.8	0.0	4.5	0.6	7.0	58.0
No. of Rainy days	5	4	11	11	14	5	2	0	1	1	3	6
Mean Max. Temp.(°C)	31.7	38.3	36.0	32.0	31.7	32.5	31.1	27.6	21.9	20.2	24.8	28.4
Mean Min. Temp.(°C)	16.8	19.6	21.9	23.7	23.4	20.7	16.4	11.8	6.6	5.7	8.2	12.8
Mean wind velocity (km/hr)	3.4	3.4	3.2	2.8	2.0	2.0	2.2	1.9	1.7	1.7	2.6	2.8
Av. Daily bright sunshine (hrs)	4.9	7.1	6.1	3.5	3.3	4.5	3.4	2.3	1.6	1.3	2.1	3.2
Av. Daily evaporation (mm)	7.5	7.4	7.1	4.7	4.6	7.0	7.5	5.9	5.1	4.2	6.5	7.1
Relative humidity (%) 07.23 hrs	67	51	62	88	91	87	77	78	87	85	79	75
Relative humidity (%) 14.23 hrs	37	28	38	69	69	56	43	41	48	48	34	38
Av. vapour pressure (mm) 07.23 hrs	12.5	13.9	17.3	22.4	22.3	18.8	13.1	9.6	7.2	6.7	7.7	10.1
Av. vapour pressure (mm) 14.23 hrs	12.5	12.9	15.9	22.8	23.5	19.9	14.1	10.9	8.9	8.1	7.8	10.5
Udhagamandalam												
Rainfall (mm)	178.6	115.9	427.1	52.7	74.8	102.9	98.2	246.3	35.6	2.2	0.0	4.9
No. of Rainy days	12	11	14	8	9	10	6	14	5	0	0	1
Mean Max. Temp.(°C)	20.8	22.2	20.3	19.7	19.7	20.2	20.3	18.2	19.4	20.4	21.4	23.5
Mean Min. Temp.(°C)	12.5	13.6	12.8	12.7	12.2	12.2	11.7	11.4	9.2	7.4	9.0	11.1
Mean wind velocity (km/hr)	2.6	2.3	5.5	6.3	6.2	3.2	2.1	3.5	3.5	3.0	3.5	3.4
Av. Daily bright sunshine (hrs)	5.0	4.7	3.2	4.2	4.8	4.2	5.5	3.0	6.2	7.6	7.3	7.1
Av. Daily evaporation (mm)	2.4	2.7	2.2	2.5	2.6	2.5	2.6	1.8	2.3	3.2	3.4	3.9
Relative humidity (%) 07.23 hrs	90	89	91	88	91	92	93	96	88	75	79	85
Relative humidity (%) 14.23 hrs	72	70	79	75	77	77	77	85	73	59	61	61
Agra												
Rainfall (mm)	43.0	16.5	84.3	65.2	93.5	14.2	15.3	0.0	4.2	0.0	2.3	5.0
No. of Rainy days	3	3	4	6	5	2	2	0	1	0	0	1
Mean Max. Temp.(°C)	35.6	42.4	40.1	34.8	34.8	37.4	36.3	30.1	23.8	22.5	26.5	33.5
Mean Min. Temp.(°C)	20.0	23.7	25.7	26.1	26.0	23.3	18.8	13.6	6.8	7.3	9.7	15.8
Mean wind velocity (km/hr)	4.2	4.2	5.7	4.6	2.8	3.4	2.5	1.6	1.9	1.9	3.2	3.7
Av. Daily bright sunshine (hrs)	8.4	8.9	6.9	4.6	5.2	8.4	8.1	4.4	5.4	4.2	6.3	7.8
Av. Daily evaporation (mm)	5.6	8.2	9.1	5.1	3.8	5.3	4.4	2.5	1.3	1.3	3.0	5.0
Relative humidity (%) 07.19 hrs	71	52	63	83	86	78	73	81	88	94	86	88
Relative humidity (%) 14.19 hrs	32	20	38	61	66	37	30	37	40	53	36	48
Kota												
Rainfall (mm)	7.1	0.0	51.4	389.0	175.6	28.2	0.0	0.0	0.0	0.0	0.0	0.0
No. of Rainy days	1	0	6	14	8	2	0	0	0	0	0	0
Mean Max. Temp.(°C)	36.6	42.4	39.5	33.4	31.8	34.6	35.4	30.4	24.7	0.0	0.0	0.0

भाकृअनुप-भा.मू.ज.सं.सं. वार्षिक प्रतिवेदन 2015-16

Meteorological parameters	April, 2015	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan. 2016	Feb.	March
	2	3	4	5	6	7	8	9	10	11	12	13
Mean Min. Temp. (°C)	21.1	26.4	27.1	25.8	25.2	23.8	18.2	14.0	6.8			
Mean wind velocity (km/hr)	3.59	4.58	5.78	6.00	3.64	3.43	1.93	1.48	1.52			
Av. Daily bright sunshine (hrs)	8.7	10.1	8.1	4.1	4.7	8.8	9.1	7.6	7.4			
Av. Daily evaporation (mm)	6.5	9.8	7.8	4.4	3.4	4.4	4.2	2.8	2.1			
Relative humidity (%) 07.27 hrs	64.7	42.3	63.8	82.8	85.6	78.6	80.0	88.8	90.0			
14.27 hrs	24.6	15.5	37.4	67.3	72.2	45.5	29.3	33.9	32.9			
Av. vapour pressure (mm) 07.27 hrs	19.9	21.3	24.5	25.3	25.7	23.6	24.8	14.3	7.1			
14.27 hrs	21.6	22.3	25.7	26.4	27.0	25.3	22.1	19.8	15.3			
Vasad												
Rainfall (mm)	7.0	0.0	150.2	230.4	14.4	73.8	0.0	0.0	0.0	0.0	2.0	0.0
No. of Rainy days	2	0	5	7	2	5	0	0	0	0	0	0
Mean Max. Temp.(°C)	37.6	40.9	36.7	33.5	31.6	33.8	36.8	34.1	30.0	34.4	31.7	36.7
Mean Min. Temp. (°C)	18.4	22	23	22.8	22.0	20.5	17.4	15.0	8.4	7.8	10.8	15.7
Mean wind velocity (km/hr) (km/day)	4.67	5.69	7.05	8.36	5.17	4.48	2.54	2.59	3.49	2.81	3.92	3.62
Av. Daily bright sunshine (hrs)	9.52	10.67	6.34	3.2	4.7	7.4	9.1	8.3	8.9	8.7	8.8	9.5
Av. Daily evaporation (mm)	6.21	7.7	6.0	4.6	3.6	4.3	4.9	3.7	3.4	3.2	4.6	6.2
Relative humidity (%) 07.16 hrs	92.1	69.5	82.5	87.9	89.8	89.1	83	78.1	85.6	96	80	67.0
14.16 hrs	38.2	32.1	59.8	67.3	68.6	65.5	49	51.4	52.7	60	43.3	30.2
Av. vapour pressure (mm) 07.16 hrs	21.1	22.2	24.8	24.9	24.5	23.5	20.6	15.1	10.5	10.4	10.8	13.5
14.16 hrs	17.5	17.5	24.2	24.1	24.1	23.6	21.9	19.5	16.0	18.0	14.3	13.2
Datia												
Rainfall (mm)	5.0	2.6	62.0	201.4	282.0	53.0	18.8	0.6	3.2	15.0	0.0	6.9
No. of Rainy days	1	1	8	11	7	3	2	0	1	2	0	1
Mean Max. Temp.(°C)	36.7	43.5	39.1	34.0	33.9	36.0	35.0	30.6	25.7	24.6	27.6	34.1
Mean Min. Temp. (°C)	19.9	24.5	25.5	24.3	23.5	22.1	17.0	11.9	6.2	7.0	9.3	15.0
Mean wind velocity (km/hr)	2.5	3.6	2.3	2.3	1.8	2.2	1.8	1.7	1.0	1.1	2.1	2.6
Av. Daily bright sunshine (hrs)	8.2	9.1	7.9	4.7	6.2	9.3	8.7	6.5	7.8	6.7	8.7	9.2
Av. Daily evaporation (mm)	7.0	8.6	5.7	4.8	4.1	5.7	4.8	2.6	1.6	2.2	3.5	5.5
Relative humidity (%) 07.16 hrs	68	39	60	84	83	81	80	90	93	94	93	81
14.16 hrs	26	14	37	68	68	45	33	37	33	45	34	26
Bellary												
Rainfall (mm)	76.9	24.9	60	18.3	57.2	167.2	136.2	3.2	0	29.2		
No. of Rainy days												
Mean Max. Temp.(°C)	36.5	38.4	34.4	35	33.8	32.5	32.4	29.1	31.5	30.7		
Mean Min. Temp. (°C)	23.4	25.7	24.1	24	23.4	22.9	21.7	20.9	17.8	16.8		
Mean wind velocity (km/hr)	4.1	5.6	7.7	9.8	8.3	4.8	3	3.6	4.3	5.1		
Av. Daily bright sunshine (hrs)	8.8	8.6	5.4	7	6.9	6.1	7.8	5.5	8.2	8.1		
Av. Daily evaporation (mm)	8.6	9.7	7.2	7.8	6.5	5.4	5.9	5	5.1	5.4		
Relative humidity (%) 07.23 hrs	72	71	77	80	85	88	88	90	89	84		
14.23 hrs	32	30	42	36	45	54	48	54	43	35		
Av. vapour pressure (mm) 07.23 hrs	16.7	19	19	19.3	19.4	19.5	18.6	17.2	14.8	12.9		
14.23 hrs	13.4	14.7	16.7	14.8	15.6	18.1	16.4	16.1	14.2	11.2		
Koraput												
Rainfall (mm)	115.4	72.7	358.0	64.3	202.6	497.8	33.2	11.8	10.2	1.0		
No. of Rainy days	6	8	16	9	11	12	1	2	1	0		
Mean Max. Temp.(°C)	32.1	33.9	28.3	28.0	27.6	27.3	29.7	28.3	28.5	26.6		
Mean Min. Temp. (°C)	15.7	17.1	17.3	17.2	17.0	15.9	12.8	9.7	8.1	4.0		
Mean wind velocity (km/hr)	1.3	0.8	2.4	2.2	1.8	0.9	0.2	0.2	0.4	0.6		
Av. Daily bright sunshine (hrs)	8.0	7.8	2.5	2.4	1.9	3.5	6.9	6.3	7.8	8.2		
Av. Daily evaporation (mm)	4.4	4.7	3.6	2.4	2.0	2.4	2.7	2.4	2.5	2.7		
Relative humidity (%) 06.59 hrs	87	87	93	91	94	95	93	92	95	94		
13.59 hrs	46	46	75	75	80	73	52	68	68	55		