

AICRP on Agrometeorology
University of Agricultural Sciences, GKVK, Bangalore-560 065
Meteorological Observation at GKVK, Bangalore

PART- I

District : Bengaluru
 State : Karnataka

Lat : 13° 05' N
 Long : 77° 34' E
 Alt. : 924 m (amsl)

Month: April
 Year : 2018

Date	Air Temperature °C						PET(mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	10cm	10cm	15cm	15cm
	0700	1400	0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	32.6	22.0	21.8	31.0	20.0	21.6	3.9	24.6	37.2	26.0	35.0	26.2	33.2
2	32.0	20.0	22.4	30.8	21.0	20.8	3.9	24.0	37.0	25.8	35.4	26.8	33.0
3	31.8	17.8	22.6	30.2	20.0	20.8	3.5	24.0	36.0	25.4	34.2	26.6	31.8
4	31.6	19.6	23.0	31.2	21.0	20.8	3.5	24.0	36.0	25.2	34.0	27.0	32.8
5	32.6	18.0	23.0	32.0	20.8	21.6	3.8	24.2	38.0	26.0	35.8	27.2	33.0
6	32.8	18.8	23.2	31.6	21.0	21.2	3.8	24.2	37.6	26.0	34.8	27.8	33.8
7	32.4	19.8	22.8	31.2	20.8	21.4	3.8	24.6	38.0	26.8	35.0	28.0	33.0
8	32.0	19.0	22.4	31.8	20.0	21.6	3.9	24.4	38.2	26.6	35.8	28.0	32.8
9	32.4	18.8	23.0	31.0	20.8	21.0	3.9	24.6	38.0	26.6	36.0	27.8	33.2
10	31.8	18.6	23.4	30.8	21.2	21.6	3.9	24.6	38.6	26.8	36.0	28.0	33.8
11	31.8	21.2	23.4	31.6	21.2	21.4	4.5	24.6	39.2	27.0	37.0	28.6	34.8
12	33.2	20.4	23.4	31.8	21.4	21.6	4.2	25.6	38.8	27.0	36.8	28.8	35.0
13	33.4	21.2	23.2	31.8	21.0	22.2	4.6	24.8	38.8	27.0	36.6	28.0	35.4
14	33.2	22.2	24.0	32.4	22.0	22.8	4.7	25.6	39.0	27.0	36.6	28.8	35.6
15	34.0	22.8	24.0	32.0	22.4	23.0	4.8	26.0	38.8	27.8	37.0	29.0	36.0
16	33.0	22.4	24.2	32.8	22.2	22.6	4.2	26.6	39.8	28.0	36.6	29.4	34.8
17	34.2	21.2	23.8	31.8	22.0	21.6	4.7	25.0	36.6	26.6	34.8	27.4	31.8
18	33.6	22.4	24.0	32.0	22.2	22.8	4.2	26.4	38.2	27.6	36.6	28.8	35.0
19	34.8	23.0	24.2	31.4	22.0	21.6	4.4	26.6	36.0	27.8	34.2	28.8	33.0
20	32.4	21.8	23.8	34.0	21.4	22.8	3.5	26.0	39.6	27.0	36.8	27.8	33.8
21	34.2	22.8	24.0	33.2	22.4	22.6	4.5	26.0	39.8	27.8	36.6	28.8	34.0
22	34.6	23.0	24.4	33.0	22.0	22.2	4.5	26.4	39.6	27.6	36.4	28.8	34.4
23	34.0	19.8	23.4	33.0	21.0	22.8	4.0	24.8	26.0	27.0	40.0	37.8	36.0
24	34.2	20.8	24.0	32.0	22.4	19.8	4.3	25.6	36.0	27.8	34.0	28.2	31.8
25	32.8	20.4	23.6	33.0	21.0	22.6	3.9	24.0	38.0	26.0	35.8	27.0	34.0
26	34.2	21.6	24.0	32.6	22.6	21.8	4.3	25.0	36.8	27.4	35.8	27.8	34.0
27	33.6	19.8	23.8	33.0	21.6	21.4	3.9	24.0	34.6	25.8	33.0	26.6	31.8
28	34.6	21.6	23.6	31.8	21.4	21.8	4.7	24.6	34.8	26.0	33.0	27.4	31.6
29	32.8	20.0	23.4	33.4	21.0	21.6	4.1	24.4	34.0	26.2	31.8	27.6	31.0
30	34.8	22.2	24.0	33.0	22.4	20.8	4.6	24.0	34.0	24.8	31.2	26.6	29.6
Mean	33.2	20.8	23.5	32.0	21.4	21.7	4.1	25.0	37.1	26.7	35.4	28.2	33.5
Weekly mean													
Std.Week No:14 (April 2 - April 8) No. of Days: 7													
Mean	32.2	19.0	22.8	31.3	20.7	21.2	3.7	24.2	37.3	26.0	35.0	27.3	32.9
Std.Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	32.8	20.7	23.5	31.6	21.4	21.9	4.4	25.1	38.7	27.0	36.6	28.4	34.8
Std.Week No:16 (April 16 - April 22) No. of Days: 7													
Mean	33.8	22.4	24.1	32.6	22.0	22.3	4.3	26.1	38.5	27.5	36.0	28.5	33.8
Std.Week No:17 (April 23 - April 29) No. of Days: 7													
Mean	33.7	20.6	23.7	32.7	21.6	21.7	4.2	24.6	34.3	26.6	34.8	28.9	32.9
Std.Week No:18 (April 30 - May 6) No. of Days: 7													
Mean	32.7	20.9	22.5	31.0	20.6	20.9	4.3	21.7	38.6	22.5	37.2	23.3	35.7

PART II

Time of Observatation:

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month: April

Year : 2018

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm)		Rel. Hum. %		Speed (Km/day)	Direction			0700	1400		
	0700	1400	0700	1400	0700	0700	1400		0700	1400		
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT		
1	16.5	20.2	84	42	4.0	230	230	7.6	0	0	0.0	6.8
2	17.9	18.3	88	39	5.5	230	270	8.8	0	0	0.0	6.6
3	16.1	18.9	78	41	5.0	270	90	6.8	0	2	0.0	6.0
4	17.5	18.3	83	37	3.3	230	50	8.4	0	2	0.0	7.2
5	17.2	19.8	82	38	5.4	50	140	9.2	0	0	0.0	6.4
6	17.4	19.0	82	38	4.7	140	320	9.8	0	0	0.0	7.2
7	17.3	19.4	83	40	5.1	320	140	8.6	0	0	0.0	6.6
8	16.2	20.2	80	39	6.4	140	140	9.2	0	0	0.0	6.6
9	17.2	18.8	82	39	6.4	140	140	9.6	0	0	0.0	6.6
10	17.7	19.6	82	43	6.4	140	140	9.2	0	0	0.0	7.0
11	17.7	19.2	82	39	9.0	140	140	9.7	0	0	0.0	8.4
12	18.0	19.5	83	39	6.5	140	140	9.5	0	0	0.0	8.2
13	17.4	20.7	82	42	7.5	140	140	9.3	0	0	0.0	8.0
14	18.7	21.3	84	42	8.3	140	140	9.5	0	0	0.0	8.2
15	19.4	21.4	87	45	7.7	140	140	9.4	3	2	0.0	8.4
16	19.0	20.8	84	40	5.3	270	320	8.0	2	2	0.0	8.2
17	18.8	19.1	85	39	7.7	140	140	8.7	0	3	10.6	6.4
18	19.1	21.1	85	44	3.8	230	230	8.8	0	0	0.0	7.4
19	18.6	19.1	82	40	3.9	230	230	9.0	0	2	0.0	7.8
20	17.8	21.6	80	37	4.4	230	230	2.6	2	3	0.0	4.6
21	19.4	20.7	87	38	6.6	320	320	7.2	3	2	0.0	6.2
22	18.5	20.2	81	37	5.1	320	230	7.2	0	2	0.0	6.4
23	17.3	21.8	80	40	5.1	230	230	6.9	2	0	1.2	5.0
24	19.4	15.9	87	30	4.8	230	230	8.0	0	4	0.0	5.6
25	17.2	21.5	79	39	5.0	230	270	6.8	0	0	15.8	4.8
26	19.8	19.1	88	37	4.4	270	450	8.6	0	2	1.8	5.4
27	18.1	19.0	82	34	4.2	450	140	7.8	0	0	6.2	4.8
28	17.9	19.8	82	40	6.3	140	140	10.6	0	0	0.0	6.4
29	17.3	19.7	80	33	4.2	140	140	9.7	0	0	0.0	6.6
30	19.4	17.5	87	31	4.2	140	230	9.5	0	2	1.4	6.0
Mean	18.0	19.7	83	39	5.5	..	..	8.5	0	1	37.0	6.7
Weekly mean												
Std.Week No:14 (April 2 - April 8) No. of Days: 7												
Mean	17.1	19.1	82	39	5.1	..	..	8.7	0.0	0.6	0.0	6.7
Std.Week No:15 (April 9 - April 15) No. of Days: 7												
Mean	18.0	20.1	83	41	7.4	..	..	9.4	0	0	0.0	7.7
Std.Week No:16 (April 16 - April 22) No. of Days: 7												
Mean	18.7	20.4	83	39	5.3	..	..	7.4	1	2	10.6	6.7
Std.Week No:17 (April 23 - April 29) No. of Days: 7												
Mean	18.2	19.5	83	36	4.9	..	..	8.3	0	1	25.0	5.5
Std.Week No:18 (April 30 - May 6) No. of Days: 7												
Mean	16.5	19.2	82	31	5.0	..	..	8.2	3	1	25.8	4.4

Note: Rainfall is in total