

**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 : 2021**

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
1	35.0	21.4	23.2	34.8	21.4	21.6	5.8	23.4	37.4	24.8	36.4	25.0	36.0
2	35.0	20.6	22.4	34.0	20.8	21.8	6.0	7.2	24.4	36.6	25.2	36.0	36.0
3	34.6	20.6	22.4	32.8	20.2	21.6	5.9	23.4	37.4	24.6	37.0	26.4	35.2
4	34.8	20.8	22.8	33.0	21.0	21.6	5.9	23.8	37.2	24.4	36.6	25.2	36.0
5	34.8	20.2	22.8	34.6	20.8	21.0	6.0	24.0	36.8	24.2	34.6	25.0	33.8
6	34.6	20.2	22.8	34.2	21.0	21.2	6.0	23.6	37.0	24.4	35.2	25.0	35.0
7	34.4	20.4	23.0	34.8	21.0	21.6	5.9	22.1	37.8	23.6	36.2	21.8	34.0
8	34.8	19.6	22.2	33.6	21.0	21.2	6.1	23.0	37.4	23.8	36.0	24.8	33.8
9	33.8	18.0	22.8	33.0	20.4	21.2	6.1	23.0	37.0	23.4	35.8	25.0	34.6
10	33.2	19.0	22.0	34.0	21.0	21.2	5.8	22.0	36.8	23.4	35.0	24.8	34.0
11	34.2	19.2	22.2	32.8	21.0	21.8	6.1	22.4	37.0	23.8	36.0	24.0	34.8
12	33.2	19.0	23.6	32.2	21.4	21.4	5.9	23.4	36.8	23.8	36.2	25.4	34.6
13	33.6	19.8	23.0	32.0	21.2	21.4	5.9	22.4	36.8	23.8	33.8	24.8	31.8
14	33.8	20.2	23.0	30.0	21.2	21.4	5.9	23.0	37.4	24.0	36.0	25.0	35.0
15	31.4	19.6	22.0	30.8	20.8	21.8	5.3	22.8	36.8	23.6	34.6	24.4	33.8
16	32.0	19.8	22.8	30.6	21.2	21.6	5.4	22.6	36.6	23.4	33.2	23.8	33.0
17	31.8	20.0	22.8	31.8	20.8	21.6	5.4	22.8	37.2	23.0	32.8	23.2	32.0
18	33.0	20.4	23.4	31.8	21.0	21.8	5.7	22.6	37.0	23.8	34.0	24.6	32.8
19	33.2	20.8	23.0	32.8	21.4	22.0	5.7	22.6	37.4	23.6	36.0	24.0	34.8
20	34.0	20.6	23.6	31.2	21.4	24.2	5.9	23.0	38.0	24.0	35.2	24.8	33.6
21	32.0	20.4	22.4	31.8	20.8	21.6	5.4	22.0	35.2	23.0	32.0	23.8	30.8
22	33.6	19.8	22.4	22.4	21.0	19.2	6.0	22.0	30.0	22.8	29.2	23.0	29.0
23	33.0	19.6	21.8	30.0	20.6	21.2	5.8	23.4	37.0	24.6	36.0	25.8	34.8
24	33.0	18.6	22.0	31.8	20.2	21.6	6.0	23.8	37.4	24.8	36.0	26.0	35.0
25	32.4	18.6	22.0	31.6	20.4	21.6	5.8	23.6	37.0	23.8	36.4	26.0	35.0
26	32.8	19.8	23.0	32.0	21.0	21.4	5.8	23.4	36.0	24.4	34.4	25.6	33.2
27	32.6	20.0	22.4	31.8	20.8	21.0	5.7	23.4	36.6	24.6	36.0	25.2	32.6
28	32.6	18.8	22.6	33.2	21.0	21.4	5.9	23.2	37.6	23.8	36.0	25.0	34.0
29	33.0	20.0	22.8	33.0	20.8	21.0	5.8	23.4	37.4	24.8	36.4	25.0	36.0
30	33.4	18.6	23.0	33.2	21.0	21.0	6.2	23.8	37.0	24.8	36.8	25.6	36.0
Mean	33.5	19.8	22.7	32.2	20.9	21.5	5.8	22.5	36.4	24.4	34.8	25.1	34.0
Weekly mean													
Std.Week No:14 ( April 2 - April 8) No. of Days: 7													
Mean	34.7	20.3	22.6	33.9	20.8	21.4	6.0	21.0	35.4	25.9	34.4	26.3	34.8
Std.Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	33.3	19.3	22.7	32.1	21.0	21.5	5.8	22.7	36.9	23.7	35.3	24.8	34.1
Std.Week No:16 ( April 16 - April 22) No. of Days: 7													
Mean	32.8	20.3	22.9	30.3	21.1	21.7	5.6	22.5	35.9	23.4	33.2	23.9	32.3
Std.Week No:17 ( April 23 - April 29) No. of Days: 7													
Mean	32.8	19.3	22.4	31.9	20.7	21.3	5.8	23.5	37.0	24.4	35.9	25.5	34.4
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	5.7	21.7	38.6	22.5	37.2	23.3	35.7

**PART II**

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: April

Year : 2021

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)	
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/day)	Direction			0700	0700	1400	0830	0830
	0700	1400	0700	1400	0700	0700	1400						
	LMT	LMT	LMT	LMT	LMT	LMT	LMT						
1	18.1	12.0	85	29	6.2	270	270	9.1	0	0	0	9.4	
2	17.5	12.8	86	32	5.6	225	225	9.7	0	0	0	8.4	
3	16.5	13.1	81	35	5.6	225	225	10.3	0	0	0	7.8	
4	17.7	13.0	85	35	5.3	225	225	9.0	0	0	0	8.0	
5	17.3	11.1	83	27	5.2	225	45	8.3	0	0	0	8.2	
6	17.7	11.7	85	29	5.6	230	270	9.0	0	0	0	8.0	
7	17.5	12.0	83	29	5.6	225	45	9.0	0	0	0	7.8	
8	18.0	12.0	90	31	4.9	90	90	9.2	2	0	0	8.8	
9	16.6	12.3	80	33	4.2	135	135	6.2	0	0	0	7.2	
10	18.1	11.8	91	30	4.7	135	135	8.6	0	0	0	8.4	
11	18.0	13.5	90	36	5.0	135	90	8.5	0	0	0	7.0	
12	17.9	13.1	82	36	6.3	90	90	8.8	0	0	0	7.4	
13	17.9	13.2	85	37	7.1	135	135	6.9	2	2	0	7.0	
14	17.9	14.3	85	45	6.0	135	135	7.4	2	3	0	7.2	
15	17.8	14.6	90	44	5.9	135	360	3.9	3	2	0	5.0	
16	18.0	14.4	86	44	4.6	135	135	5.3	0	0	0	6.2	
17	17.3	13.7	83	39	5.7	135	135	7.0	0	0	0	6.6	
18	17.3	14.0	80	40	4.3	135	135	6.7	0	0	0	6.8	
19	18.2	13.8	87	37	4.9	225	135	5.6	0	0	0	7.0	
20	17.9	18.7	82	55	5.6	135	135	8.6	0	2	0	6.4	
21	17.5	13.7	86	39	2.6	225	45	4.0	0	0	7.0	6.8	
22	17.9	14.9	88	73	3.7	135	135	7.6	0	4	24.8	5.0	
23	17.5	14.0	90	44	3.2	140	230	4.6	3	0	6.4	5.2	
24	16.8	13.7	85	39	4.6	135	135	7.2	2	2	28.8	5.6	
25	17.1	13.8	86	40	3.0	135	135	3.8	2	2	0	5.0	
26	17.5	13.2	83	37	3.0	135	225	4.8	0	0	0	4.8	
27	17.5	12.7	86	36	3.0	135	45	7.8	2	0	0	6.6	
28	17.8	12.6	86	33	2.9	225	45	8.0	0	0	0	6.0	
29	17.3	12.0	83	32	2.8	135	135	8.4	0	0	0	6.2	
30	17.5	11.9	83	31	5.7	135	135	7.3	0	0	0	6.0	
Mean	17.6	13.3	85	38	4.8	..	..	7.4	0.6	0.6	67.0	6.8	
Weekly mean													
Std.Week No:14 ( April 2 - April 8) No. of Days: 7													
Mean	17.5	12.3	85	31	5.4	..	..	9.2	0.3	0.0	0.0	8.1	
Std.Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	17.7	13.3	86	37	5.6	..	..	7.4	1	1	0.0	7.4	
Std.Week No:16 ( April 16 - April 22) No. of Days: 7													
Mean	17.7	14.8	85	47	4.5	..	..	6.4	0	1	31.8	6.4	
Std.Week No:17 ( April 23 - April 29) No. of Days: 7													
Mean	17.4	13.1	86	37	3.2	..	..	6.4	1	1	35.2	5.6	
Std.Week No:18 ( April 30 - May 6) No. of Days: 7													
Mean	16.5	13.2	82	31	5.0	..	..	8.2	3	1	25.8	4.4	

Note: Rainfall is in total