

**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 : 2020

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	19.8	23.6	33.4	21.2	21.6	4.6	23.8	38.6	24.8	37.4	26.0	36.0
2	35.0	19.8	23.8	33.2	21.8	21.8	4.5	23.0	38.6	23.8	36.4	25.8	36.4
3	34.6	21.2	23.8	33.0	22.0	21.2	4.6	23.6	38.4	24.6	36.8	25.8	36.0
4	34.8	20.6	23.0	33.0	21.2	21.8	4.4	23.4	38.4	24.4	36.8	25.6	36.6
5	34.6	20.8	23.4	33.8	21.6	22.0	4.4	23.4	37.4	24.4	36.6	25.8	36.0
6	34.0	21.4	23.8	32.0	22.4	22.0	4.2	22.8	38.8	23.8	37.0	25.6	36.6
7	31.8	18.8	22.0	30.4	20.8	21.4	3.8	22.0	37.4	23.6	36.6	24.6	35.8
8	31.8	19.2	22.4	31.8	21.0	21.8	3.5	22.4	37.0	23.8	36.8	24.4	36.0
9	32.6	18.8	23.0	31.8	21.2	21.0	3.7	22.8	36.8	23.8	33.6	24.0	32.0
10	32.8	18.0	20.8	32.0	20.0	21.4	3.9	22.0	37.0	23.6	36.6	24.0	34.8
11	32.8	17.8	22.2	30.4	21.0	21.2	3.7	22.2	37.8	23.8	36.8	24.6	35.0
12	31.8	18.4	21.4	31.8	20.2	21.6	3.9	22.8	37.6	23.6	37.0	25.0	35.0
13	33.0	18.0	23.2	32.8	21.4	21.8	4.0	22.6	37.8	23.6	36.8	24.8	35.4
14	34.0	19.0	23.0	31.8	20.8	22.0	4.3	22.8	37.4	23.8	36.6	24.6	36.0
15	34.0	17.2	23.0	32.0	21.0	21.2	4.3	22.4	38.8	23.8	37.0	24.8	36.0
16	34.2	19.4	23.4	32.2	21.2	22.0	4.3	22.6	38.6	23.8	37.8	25.0	36.6
17	34.6	20.6	23.6	33.0	21.8	22.2	4.4	23.6	39.0	24.8	36.8	26.8	36.0
18	35.0	21.2	24.0	33.8	22.0	22.4	4.6	24.6	38.8	25.6	37.0	27.8	36.6
19	34.6	20.8	23.8	32.6	20.8	20.3	4.4	23.6	38.8	34.6	37.0	35.0	36.6
20	34.0	20.8	23.6	31.8	21.2	21.0	4.7	24.0	38.8	25.6	36.8	26.6	36.0
21	34.2	20.6	23.4	32.0	21.0	21.6	4.7	24.4	38.0	25.8	37.0	27.0	35.8
22	34.4	20.6	23.4	33.0	21.0	21.0	4.6	24.6	37.8	25.8	36.6	26.8	35.0
23	34.6	20.8	23.8	33.8	21.0	22.0	4.6	24.8	38.8	26.0	37.8	27.4	36.6
24	35.4	18.8	21.6	29.0	20.0	20.8	4.3	22.4	37.0	23.8	36.0	24.8	35.0
25	30.0	18.0	23.0	30.8	21.0	21.2	3.2	22.0	36.6	23.6	32.8	23.8	30.0
26	31.8	20.0	22.4	28.6	21.0	21.8	3.5	21.8	35.0	22.4	34.6	23.0	33.6
27	30.0	20.2	23.6	30.0	20.6	21.8	3.9	22.0	36.6	23.0	34.0	23.8	33.0
28	31.8	20.0	23.4	31.8	21.6	21.6	3.3	22.0	35.0	23.4	31.8	24.0	28.8
29	33.8	18.0	23.6	27.0	21.8	21.8	3.7	22.0	30.6	23.6	30.0	23.8	28.8
30	27.4	18.4	23.0	31.8	21.6	21.8	3.6	22.8	32.4	23.6	30.8	24.0	30.0
Mean	33.3	19.6	23.1	31.8	21.2	21.6	4.1	23.0	37.3	24.5	35.9	25.5	34.7
Weekly mean													
Std. Week No:14 ( April 2 - April 8) No. of Days: 7													
Mean	33.8	20.3	23.2	32.5	21.5	21.7	4.2	22.9	38.0	24.1	36.7	25.4	36.2
Std. Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	33.0	18.2	22.4	31.8	20.8	21.5	4.0	22.5	37.6	23.7	36.3	24.5	34.9
Std. Week No:16 ( April 16 - April 22) No. of Days: 7													
Mean	34.4	20.6	23.6	32.6	21.3	21.5	4.5	23.9	38.5	26.6	37.0	27.9	36.1
Std. Week No:17 ( April 23 - April 29) No. of Days: 7													
Mean	32.5	19.4	23.1	30.1	21.0	21.6	3.8	22.4	35.7	23.7	33.9	24.4	32.3
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 Observation:

I--&gt; 0700 Hours LMT = 0720 IST

II--&gt; 1400 Hours LMT = 1420 IST

Month: April

Year : 2020

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr.		Rel. Hum.		Speed (Km/day)	Direction			0700	1400		
	(mm)	Hg.	%			0700	0700					
	0700	1400	0700	1400	0700				0700	1400		
LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST	
1	17.6	12.8	80	33	7.9	90	225	9.7	0.0	2.0	0.0	8.8
2	18.5	13.3	84	35	7.5	225	225	9.4	0.0	0.0	0.0	9.0
3	18.8	12.3	85	33	8.0	225	225	9.2	0.0	0.0	0.0	10.0
4	17.9	13.4	85	35	6.6	225	225	9.3	0.0	0.0	0.0	8.8
5	18.4	13.3	85	34	6.2	225	225	10.3	0.0	0.0	0.0	9.6
6	19.5	14.3	88	40	4.4	225	225	9.6	0.0	2.0	0.0	9.4
7	17.8	14.1	90	43	5.4	225	225	8.8	2.0	2.0	20.8	6.8
8	17.9	14.0	88	40	4.6	225	225	5.5	2.0	2.0	0.0	7.8
9	17.9	12.7	85	36	4.2	225	225	7.7	0.0	2.0	0.0	7.4
10	17.1	13.2	93	37	7.2	225	225	7.4	4.0	2.0	16.8	7.4
11	18.0	13.8	90	42	5.4	90	90	6.8	0.0	0.0	0.0	6.8
12	17.1	13.7	89	39	5.1	90	90	9.8	0.0	0.0	0.0	6.6
13	18.1	13.5	85	36	5.0	90	45	10.2	0.0	0.0	0.0	7.8
14	17.2	14.4	82	41	5.6	45	45	11.2	0.0	0.0	0.0	7.8
15	17.5	12.9	83	36	6.9	140	90	11.2	0.0	0.0	0.0	6.8
16	17.7	14.2	82	39	5.1	90	225	11.4	0.0	0.0	0.0	8.8
17	18.6	14.1	85	37	4.8	225	225	10.5	3.0	0.0	0.0	8.0
18	18.7	14.0	84	35	6.6	225	225	9.3	2.0	2.0	0.0	8.4
19	16.8	11.1	76	30	4.3	225	225	11.2	2.0	0.0	0.0	8.2
20	17.6	12.7	80	36	6.9	225	225	11.0	0.0	0.0	0.0	8.6
21	17.3	13.6	80	38	6.8	225	225	10.9	0.0	0.0	0.0	8.8
22	17.3	12.0	80	32	5.6	225	225	11.1	0.0	0.0	0.0	8.6
23	17.1	13.3	77	34	5.4	270	270	10.6	0.0	0.0	0.0	8.6
24	16.7	13.9	86	46	5.5	270	270	8.6	2.0	2.0	38.8	6.6
25	17.5	13.6	83	41	3.5	270	270	4.3	3.0	3.0	0.0	5.0
26	17.9	15.8	88	54	3.6	270	225	4.7	0.0	2.0	65.2	2.8
27	16.5	15.0	76	47	5.4	225	225	7.9	0.0	2.0	1.4	7.6
28	18.4	13.7	85	39	1.0	140	270	4.3	0.0	4.0	1.6	6.0
29	18.6	16.7	85	62	4.6	270	270	9.6	8.0	6.0	51.0	4.8
30	18.6	14.0	88	40	4.1	270	225	6.5	0.0	0.0	0.0	6.0
Mean	17.8	13.6	84	39	5.4	..	..	8.9	0.9	1.1	195.6	7.5
Weekly mean												
Std. Week No:14 ( April 2 - April 8) No. of Days: 7												
Mean	18.4	13.5	86	37	6.1	..	..	8.9	0.6	0.9	20.8	8.7
Std. Week No:15 (April 9 - April 15) No. of Days: 7												
Mean	17.6	13.4	87	38	5.6	..	..	8.7	1	1	16.8	7.3
Std. Week No:16 ( April 16 - April 22) No. of Days: 7												
Mean	17.7	13.1	81	35	5.7	..	..	10.8	1	0	0.0	8.5
Std. Week No:17 ( April 23 - April 29) No. of Days: 7												
Mean	17.5	14.6	83	46	4.1	..	..	7.1	2	3	158.0	5.9
Std. Week No:18 ( April 30 - May 6) No. of Days: 7												
Mean	16.5	14.2	82	31	5.0	..	..	8.2	3	1	25.8	4.4

Note: Rainfall is in total