

**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 : 2023**

Date	Air Temperature °C						PET(mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	10cm	10cm	20cm	20cm
	0700	1400	0700	1400	0700	1400	0700	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	32.9	22.2	24.0	32.4	21.8	22.0	5.2	23.0	32.6	24.0	32.0	24.2	30.2
2	33.4	21.2	23.2	31.8	21.8	21.4	5.6	22.8	32.4	23.4	31.8	23.8	30.0
3	32.0	20.2	22.8	32.4	21.0	21.0	5.3	22.0	35.0	23.4	34.2	23.8	30.0
4	33.0	20.2	22.6	32.2	20.4	21.0	5.6	25.2	34.0	28.0	32.2	29.0	29.6
5	33.0	19.8	23.8	32.0	21.6	22.0	5.7	22.4	34.2	23.0	32.6	23.8	31.6
6	32.8	21.4	24.0	31.8	21.8	21.8	5.4	22.0	33.4	23.4	32.6	24.0	31.6
7	32.8	20.2	24.0	31.6	21.6	21.4	5.6	22.0	33.8	23.2	32.6	23.8	31.8
8	32.6	19.8	22.8	31.4	20.8	20.6	5.6	22.4	33.2	23.6	32.4	23.8	31.6
9	32.4	18.8	21.6	30.8	19.8	21.2	5.7	22.2	33.2	23.2	31.8	23.6	30.0
10	31.6	19.0	22.8	31.6	20.8	21.4	5.4	22.6	34.2	23.6	32.0	23.8	31.8
11	32.8	18.0	23.4	31.8	21.2	21.6	5.9	22.8	34.6	23.4	33.4	23.8	31.8
12	33.6	19.2	22.4	32.6	20.0	21.4	6.0	22.6	35.0	23.6	33.0	23.8	32.0
13	34.0	20.0	24.0	33.4	21.0	22.2	6.0	22.6	35.6	24.0	33.6	24.6	33.2
14	35.0	20.2	23.6	33.8	21.6	22.0	6.2	23.0	36.0	24.0	33.8	24.8	33.0
15	35.2	20.4	23.8	33.4	21.4	21.6	6.3	22.8	36.2	23.8	33.8	24.8	33.0
16	34.6	20.0	23.6	33.0	21.2	21.6	6.2	22.6	35.8	23.8	33.6	24.6	31.8
17	34.8	19.8	23.4	33.2	20.8	21.8	6.3	20.4	35.6	24.0	33.8	24.4	33.0
18	34.2	18.8	23.8	33.4	21.4	22.0	6.2	23.6	36.6	24.0	33.8	24.6	33.0
19	35.0	20.6	23.8	33.6	21.2	22.2	6.2	23.8	37.6	24.4	34.0	25.6	33.8
20	35.0	21.4	24.2	33.4	21.8	22.0	6.1	24.0	37.6	24.8	36.6	25.8	34.6
21	34.8	21.6	24.0	33.4	21.6	21.6	6.0	24.0	37.6	24.6	33.8	25.2	33.0
22	34.0	21.2	24.0	31.8	21.4	21.8	5.8	23.2	36.6	24.2	33.8	25.0	32.8
23	32.6	20.8	23.8	32.0	20.4	21.8	5.5	22.8	37.6	23.8	36.6	23.8	34.8
24	33.8	21.0	23.2	32.8	21.4	22.2	5.8	23.0	37.0	23.4	36.8	23.6	35.0
25	33.4	21.6	24.0	31.8	22.0	21.6	5.6	23.4	37.6	24.6	36.6	24.8	36.2
26	32.0	21.0	23.4	32.0	20.8	22.0	5.3	23.2	37.4	23.8	36.8	24.6	36.0
27	32.4	21.6	24.2	32.0	22.0	22.2	5.3	23.6	37.6	24.6	36.8	25.4	36.4
28	32.8	21.4	24.0	31.8	22.0	22.2	5.5	23.4	37.8	23.8	36.8	24.6	34.6
29	33.3	22.0	24.2	29.8	22.0	21.6	5.5	23.8	34.6	24.8	33.8	25.4	30.0
30	30.4	21.4	22.8	30.0	21.4	21.8	4.7	23.0	33.0	23.6	31.8	23.8	30.0
Mean	33.3	20.5	23.5	32.2	21.3	21.7	3.9	22.9	35.4	24.0	33.9	24.6	32.5
<b>Weekly mean</b>													
<b>Std. Week No:14 ( April 2 - April 8) No. of Days: 7</b>													
Mean	32.8	20.4	23.3	31.9	21.3	21.3	5.5	22.7	33.7	24.0	32.6	24.6	30.9
<b>Std. Week No:15 (April 9 - April 15) No. of Days: 7</b>													
Mean	33.5	19.4	23.1	32.5	20.8	21.6	5.9	22.7	35.0	23.7	33.1	24.2	32.1
<b>Std. Week No:16 ( April 16 - April 22) No. of Days: 7</b>													
Mean	34.6	20.5	23.8	33.1	21.3	21.9	6.1	23.1	36.8	24.3	34.2	25.0	33.1
<b>Std. Week No:17 ( April 23 - April 29) No. of Days: 7</b>													
Mean	32.9	21.3	23.8	31.7	21.5	21.9	5.5	23.3	37.1	24.1	36.3	24.6	34.7
<b>Std. Week No:18 ( April 30 - May 6) No. of Days: 7</b>													
Mean	32.7	20.9	22.5	31.0	20.6	20.9	5.3	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 : 2023**

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hr)	Direction						
	0700	1400	0700	1400	0700	0700	1400	0700	0700	1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	18.4	14.1	82	39	3.6	230	230	7.8	0	0	0.0	7.0
2	18.8	13.3	88	38	4.1	230	230	9.0	0	2	0.0	7.6
3	17.7	12.3	85	34	4.0	270	320	9.2	0	2	5.2	6.6
4	16.8	12.4	81	35	3.7	230	230	8.4	2	2	10.0	8.2
5	18.1	14.3	82	40	2.7	230	230	3.9	0	2	0.0	6.8
6	18.4	14.0	82	40	4.2	230	230	8.5	0	2	0.0	7.0
7	18.0	13.5	81	39	3.4	140	140	6.9	2	2	1.8	6.4
8	17.3	12.2	83	35	4.3	140	140	6.6	0	0	0.0	7.2
9	16.3	13.6	84	41	6.4	140	140	7.4	0	2	0.0	7.0
10	17.3	13.5	83	39	5.0	140	140	10.2	0	0	0.0	6.4
11	17.7	13.7	82	39	6.1	90	140	9.7	0	0	0.0	6.6
12	16.2	12.9	80	35	3.8	140	140	9.8	0	0	0.0	6.4
13	17.0	13.9	76	36	4.0	140	140	10.4	0	2	0.0	6.8
14	18.2	13.3	83	34	3.8	140	45	9.3	0	0	0.0	8.0
15	17.8	12.8	80	33	4.4	45	45	10.2	0	0	0.0	8.4
16	17.6	13.0	80	35	4.3	140	140	10.0	0	0	0.0	8.2
17	17.0	13.3	79	35	3.9	140	140	9.9	0	0	0.0	8.0
18	17.8	13.5	80	35	2.8	230	230	10.2	0	0	0.0	8.4
19	17.4	13.7	79	35	1.7	230	270	9.8	0	0	0.0	8.8
20	18.3	13.5	81	35	2.0	270	270	9.4	0	0	0.0	8.8
21	18.0	12.8	81	33	2.0	270	270	8.2	0	0	0.0	9.2
22	17.7	14.0	79	40	4.6	270	270	6.7	0	0	2.8	8.0
23	16.1	13.9	73	39	2.6	270	230	5.2	0	0	0.0	6.4
24	18.1	14.2	85	38	4.9	230	230	9.4	0	2	1.8	6.8
25	18.7	13.7	84	39	6.3	230	270	8.5	3	3	0.0	7.8
26	17.0	14.3	79	40	4.0	270	270	6.6	2	2	0.0	7.4
27	18.6	14.6	82	41	4.1	230	230	6.2	2	0	0.0	7.2
28	18.7	14.7	84	42	6.3	230	230	8.0	0	2	0.0	7.6
29	18.6	14.8	82	47	4.4	320	230	7.7	0	2	0.0	8.4
30	18.3	15.0	88	47	3.6	230	230	2.5	2	2	3.2	7.8
<b>Mean</b>	<b>17.7</b>	<b>13.6</b>	<b>82</b>	<b>38</b>	<b>4.0</b>	<b>..</b>	<b>..</b>	<b>8.2</b>	<b>0</b>	<b>1</b>	<b>24.8</b>	<b>7.5</b>
<b>Weekly mean</b>												
<b>Std. Week No:14 ( April 2 - April 8) No. of Days: 7</b>												
<b>Mean</b>	<b>17.9</b>	<b>13.2</b>	<b>83</b>	<b>37</b>	<b>3.8</b>	<b>..</b>	<b>..</b>	<b>7.5</b>	<b>0.6</b>	<b>1.7</b>	<b>17.0</b>	<b>7.0</b>
<b>Std. Week No:15 (April 9 - April 15) No. of Days: 7</b>												
<b>Mean</b>	<b>17.2</b>	<b>13.4</b>	<b>81</b>	<b>37</b>	<b>4.8</b>	<b>..</b>	<b>..</b>	<b>9.2</b>	<b>0</b>	<b>1</b>	<b>0.0</b>	<b>6.9</b>
<b>Std. Week No:16 ( April 16 - April 22) No. of Days: 7</b>												
<b>Mean</b>	<b>17.7</b>	<b>13.4</b>	<b>80</b>	<b>35</b>	<b>3.0</b>	<b>..</b>	<b>..</b>	<b>9.2</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>8.5</b>
<b>Std. Week No:17 ( April 23 - April 29) No. of Days: 7</b>												
<b>Mean</b>	<b>18.0</b>	<b>14.3</b>	<b>81</b>	<b>41</b>	<b>4.7</b>	<b>..</b>	<b>..</b>	<b>7.4</b>	<b>1</b>	<b>2</b>	<b>1.8</b>	<b>7.4</b>
<b>Std. Week No:18 ( April 30 - May 6) No. of Days: 7</b>												
<b>Mean</b>	<b>16.5</b>	<b>13.4</b>	<b>82</b>	<b>31</b>	<b>5.0</b>	<b>..</b>	<b>..</b>	<b>8.2</b>	<b>3</b>	<b>1</b>	<b>25.8</b>	<b>4.4</b>

**Note: Rainfall is in total**