

**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: May  
Year : 2019**

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10Cm	15Cm	15Cm
	0700	700	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	34.2	19.0	22.4	33.2	20.8	21.0	4.2	23.0	37.8	23.4	36.6	23.8	36.0
2	34.2	19.6	23.2	31.8	20.8	21.6	4.3	23.6	37.4	24.4	36.8	25.0	36.2
3	33.0	19.8	22.8	32.0	20.8	21.4	4.2	23.8	37.6	24.4	35.0	25.0	34.8
4	33.2	20.0	22.8	33.2	20.8	21.2	4.4	23.0	38.0	23.8	37.0	24.8	36.2
5	34.8	20.8	23.2	33.0	20.6	21.2	4.3	23.2	38.6	24.6	36.6	26.0	34.0
6	35.0	20.6	23.8	33.4	20.8	21.6	4.2	23.6	38.0	24.4	36.4	25.6	36.0
7	35.4	20.6	24.2	31.0	21.0	21.2	4.5	23.0	37.0	23.8	36.0	25.0	35.2
8	33.8	20.8	23.0	31.6	20.8	21.0	4.1	22.0	35.8	23.4	34.0	24.0	33.0
9	32.8	20.2	22.8	32	20.6	21.8	4.2	22.2	36.8	23.0	36.0	23.8	35.4
10	34.0	21.2	23.8	33.0	21.4	21.6	4.2	23.6	38.8	24.4	37.8	25.0	36.0
11	35.0	21.0	24.0	34.0	21.2	21.8	4.2	23.8	38.2	24.8	37.4	25.6	37.0
12	35.2	21.2	24.0	33.0	21.4	22.0	4.2	23.2	39.0	24.0	37.0	24.6	36.0
13	34.2	20.4	24.2	31.8	21.6	21.0	3.9	23.8	37.8	24.6	36.0	24.8	35.6
14	33.6	20.6	23.4	32.4	20.8	21.2	4.3	23.0	38.8	23.8	36.6	24.0	36.0
15	34.2	21.6	24.0	32.4	21.8	21.8	4.8	24.6	38.0	25.6	36.6	27.0	32.4
16	34.0	19.0	23.8	31.8	21.6	21.6	3.9	23.0	38.6	23.8	37.0	24.0	36.2
17	33.6	20.6	23.8	30.0	21.0	21.2	3.8	23.4	35.0	24.0	34.0	25.0	33.8
18	31.6	18.6	23.0	31.8	21.0	21.6	3.5	22.4	36.0	23.2	34.8	24.0	33.0
19	33.0	20.6	22.5	32.0	21.0	21.8	3.7	22.8	37.8	23.8	36.6	24.0	36.0
20	34.0	21.6	24.0	31.8	21.6	21.4	4.1	22.8	37.4	23.8	36.8	24.2	34.8
21	33.0	19.8	23.6	31.2	21.0	21.6	3.7	22.4	36.8	23.8	36.6	24.0	36.0
22	32.4	20.0	23.8	32.4	21.2	21.4	3.9	23.6	37.4	24.4	36.6	25.0	36.2
23	34.2	20.6	23.6	30.6	21.2	21.6	4.1	22.8	36.8	23.6	35.0	24.8	34.8
24	31.8	20.4	23.4	32.2	21.0	21.0	3.8	23.0	37.6	23.6	36.0	24.6	35.4
25	33.6	20.4	23.8	31.6	21.2	21.0	4.1	23.8	36.8	24.4	36.0	25.0	35.8
26	32.6	18.4	23.0	32.6	20.8	21.2	4.4	23.4	38.0	24.0	37.4	25.2	36.8
27	34.0	18.6	23.0	32.0	21.2	21.4	4.8	23.0	37.8	23.8	36.0	24.8	35.8
28	33.8	21.6	24.0	31.8	21.6	21.6	4.5	23.8	38.0	24.4	36.4	25.0	36.0
29	33.6	20.8	23.8	32.2	21.4	21.8	4.5	24.0	38.8	24.4	37.0	25.2	36.6
30	34.0	21.0	24.2	31.8	21.6	21.8	4.6	23.8	39.0	24.0	37.8	25.4	36.0
31	33.0	20.0	24.0	31.6	21.4	21.6	4.3	24.6	39.0	25.8	37.6	26.0	37.0
<b>Mean</b>	<b>33.7</b>	<b>20.3</b>	<b>23.5</b>	<b>32.1</b>	<b>21.1</b>	<b>21.5</b>	<b>4.2</b>	<b>23.3</b>	<b>37.7</b>	<b>24.1</b>	<b>36.4</b>	<b>24.8</b>	<b>35.5</b>
<b>Weekly mean</b>													
<b>Std.Week No:19 ( May 7- May 13) No. of Days: 7</b>													
<b>Mean</b>	34.3	20.1	23.2	32.5	20.8	21.3	4.3	23.3	37.8	24.1	36.3	25.0	35.5
<b>Std.Week No:20 (May 14 - May 20) No. of Days: 7</b>													
<b>Mean</b>	34.1	20.8	23.6	32.5	21.1	21.5	4.2	23.1	37.9	24.0	36.4	24.5	35.6
<b>Std.Week No: 21 ( May21 - May 27) No. of Days: 7</b>													
<b>Mean</b>	33.3	20.3	23.5	31.6	21.3	21.6	3.9	23.1	37.1	24.0	36.1	24.6	34.6
<b>Std.Week No:22 ( May 28 - June 3) No. of Days: 7</b>													
<b>Mean</b>	33.2	20.0	23.5	31.9	21.2	21.3	4.2	23.3	37.5	24.0	36.2	24.9	35.8

**PART II**

**Time of Observation:**

**I---> 0700 Hours LMT = 0720 IST**

**II---> 1400 Hours LMT = 1420 IST**

**Month: May**

**Year : 2019**

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/day)	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	17.5	11.9	86	31	8.7	230	230	5.6	6	2	18.4	5.2
2	17.1	13.7	80	39	9.3	230	230	5.8	0	0	0	6.6
3	17.3	13.2	83	37	8.7	230	230	7.0	0	0	0	6.8
4	17.3	12.2	83	32	7.6	230	230	9.8	0	0	0	7.4
5	16.8	12.3	79	33	5.1	230	230	9.9	0	0	0	8.0
6	16.8	12.8	76	33	5.2	230	230	8.2	0	0	0	8.4
7	16.9	13.4	75	40	6.8	230	230	8.9	3	2	0	7.0
8	17.2	12.8	82	37	8.7	230	230	2.7	3	2	7.8	6.6
9	17.0	13.9	82	39	7.5	230	230	7.3	3	2	0	6.8
10	17.8	13.0	80	35	5.5	45	230	8.0	0	0	0	7.6
11	17.3	12.8	77	32	4.7	230	230	8.7	0	0	0	7.8
12	17.7	13.7	79	36	5.3	230	230	7.7	0	0	0.4	6.4
13	17.9	12.7	79	36	4.9	230	230	6.0	0	2	0	7.0
14	17.0	12.7	79	35	7.0	270	230	7.8	3	2	0.2	6.0
15	18.4	13.7	82	38	8.9	270	270	9.5	0	3	0	6.8
16	18.1	13.7	82	39	5.7	320	230	6.0	0	0	40.6	5.0
17	17.1	14.0	77	44	3.1	230	230	7.5	0	4	0	5.8
18	17.5	13.7	83	39	3.7	270	230	5.8	0	2	18.8	4.8
19	17.8	13.9	87	39	2.1	230	230	7.0	0	0	0.2	5.6
20	18.0	13.3	81	38	3.7	230	230	8.3	0	3	0	6.2
21	17.2	14.0	79	41	2.8	230	230	7.3	0	0	9.8	6.0
22	17.4	13.0	79	36	3.2	230	230	9.1	0	0	0	7.6
23	17.6	14.4	80	44	3.3	230	230	8.7	0	0	5.0	6.0
24	17.3	12.4	80	35	4.4	140	230	5.4	2	2	0	6.2
25	17.4	12.8	79	37	5.5	270	230	6.6	0	2	1.4	5.4
26	17.2	12.6	82	34	6.4	230	230	10.6	0	2	1.2	4.0
27	17.9	13.2	85	37	8.1	45	230	11.3	0	2	22.6	4.2
28	18.0	13.7	81	39	4.2	270	230	10.5	2	2	0	6.8
29	17.8	13.8	80	38	5.8	230	230	8.8	0	2	0	7.2
30	17.9	14.0	79	40	5.6	320	270	9.4	2	2	0	6.2
31	17.7	13.8	79	40	5.7	270	230	8.5	0	2	0	6.8
<b>Mean</b>	<b>17.5</b>	<b>13.3</b>	<b>80</b>	<b>37</b>	<b>5.7</b>	<b>..</b>	<b>..</b>	<b>7.9</b>	<b>1</b>	<b>1</b>	<b>126.4</b>	<b>6.4</b>
<b>Weekly mean</b>												
<b>Std.Week No:19 ( May 7- May 13) No. of Days: 7</b>												
<b>Mean</b>	17.1	13.2	80	35	7.3	..	..	7.9	1	1	2.6	7.1
<b>Std.Week No:20 (May 14 - May 20) No. of Days: 7</b>												
<b>Mean</b>	17.4	13.6	80	36	6.2	..	..	6.9	1	1	1.2	6.9
<b>Std.Week No: 21 ( May21 - May 27) No. of Days: 7</b>												
<b>Mean</b>	17.7	13.2	82	40	4.3	..	..	7.3	0	2	8.7	5.7
<b>Std.Week No:22 ( May 28 - June 3) No. of Days: 7</b>												
<b>Mean</b>	17.6	13.8	81	37	5.0	..	..	8.9	0	1	3.8	5.7