

**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 : March**

**Year: 2023**

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	29.2	18.6	20.8	28.4	18.0	18.4	4.5	21.6	31.8	22.2	29.8	23.4	29.4
2	29.0	16.8	20.2	28.8	16.6	18.2	4.7	21.0	32.4	22.8	29.0	23.2	29.0
3	29.4	15.6	19.0	29.0	16.4	18.4	4.9	21.4	31.0	22.6	30.0	23.4	29.4
4	30.0	14.4	19.4	29.2	15.8	18.2	5.2	21.6	30.0	22.4	28.8	23.0	28.0
5	30.8	15.8	17.8	29.6	14.0	18.6	5.3	21.4	30.8	22.0	28.6	22.4	28.4
6	30.8	15.6	21.0	30.0	17.4	18.4	5.3	21.6	31.4	21.8	29.8	23.8	29.0
7	30.6	15.8	19.8	29.6	17.0	18.6	5.3	21.4	31.6	22.0	30.0	23.6	28.2
8	30.6	17.8	21.4	29.4	17.6	18.4	5.0	21.6	30.0	22.2	29.0	23.4	28.8
9	29.8	15.6	21.0	28.2	17.0	18.2	5.1	21.4	30.2	22.0	28.8	23.6	28.4
10	29.2	15.4	20.0	29.0	17.0	18.2	5.0	21.8	30.0	22.4	28.8	23.8	27.8
11	29.2	14.8	20.2	29.2	17.0	18.4	5.1	21.6	30.8	22.6	29.0	23.8	28.0
12	30.4	16.2	20.0	29.0	16.4	18.6	5.2	21.6	31.4	22.6	30.0	23.8	28.8
13	30.8	16.0	21.4	30.2	17.4	18.8	5.4	21.8	31.8	22.4	30.0	23.6	28.8
14	30.6	16.2	21.8	30.8	18.0	18.6	5.3	22.0	32.4	22.8	32.0	23.4	30.0
15	32.2	17.0	22.0	32.0	18.6	21.4	5.6	22.0	32.8	23.0	32.0	23.6	29.8
16	32.6	20.4	23.2	31.8	21.0	21.2	5.3	22.6	33.0	23.6	31.8	24.2	30.0
17	32.4	19.6	20.6	29.6	18.8	20.6	5.4	22.4	33.2	23.6	32.0	24.4	31.0
18	30.6	20.0	21.2	29.4	19.0	20.2	4.8	22.2	33.0	23.6	29.8	24.2	29.2
19	30.8	19.8	21.0	29.4	19.2	20.8	4.9	22.0	33.0	22.6	29.8	23.4	29.0
20	30.6	19.6	22.4	29.6	20.2	20.4	4.9	21.8	32.0	22.8	31.0	23.6	28.2
21	30.8	17.4	21.8	30.0	18.8	20.6	5.3	21.6	32.2	22.8	31.2	23.4	30.0
22	31.4	19.8	21.6	30.6	18.8	20.8	5.1	21.8	32.4	22.8	31.6	23.6	30.0
23	32.6	19.4	23.0	31.8	20.4	21.4	5.5	22.0	32.6	23.2	31.8	24.0	30.2
24	32.8	20.4	23.6	32.2	21.2	21.8	5.4	22.0	33.4	23.4	32.0	23.8	30.6
25	33.4	22.0	24.8	30.0	21.6	20.4	5.4	23.0	32.0	23.8	30.8	24.6	29.6
26	30.6	20.2	22.6	30.6	20.2	21.0	4.9	22.4	32.0	22.8	31.8	23.6	30.8
27	31.8	20.6	23.4	31.0	20.8	21.4	5.1	22.0	31.8	23.4	30.0	23.8	29.0
28	32.8	19.8	23.0	32.0	20.8	21.8	5.6	22.4	33.2	23.4	31.8	24.6	30.8
29	33.6	22.6	24.0	32.2	21.4	22.0	5.3	23.0	33.0	23.6	31.8	24.8	30.0
30	33.6	22.4	24.2	31.4	21.6	21.6	5.4	23.6	33.0	24.4	31.8	24.8	30.0
31	32.2	20.6	24.0	32.8	21.0	22.0	5.3	22.6	32.6	23.4	31.4	23.8	30.2
Mean	31.1	18.3	21.6	30.2	18.7	19.9	5.2	22.0	32.0	22.9	30.5	23.8	29.4
<b>Weekly mean</b>													
<b>Std. Week No:10 ( Mar 5 - Mar 11) No. of Days: 7</b>													
Mean	30.1	15.8	20.2	29.3	16.7	18.4	5.2	21.5	30.7	22.1	29.1	23.5	28.4
<b>Std. Week No:11 ( Mar 12 - Mar 18) No. of Days: 7</b>													
Mean	31.4	17.9	21.5	30.4	18.5	19.9	5.3	22.1	32.5	23.1	31.1	23.9	29.7
<b>Std. Week No:12 ( Mar 19 - Mar 25) No. of Days: 7</b>													
Mean	31.8	19.8	22.6	30.5	20.0	20.9	5.2	22.0	32.5	23.1	31.2	23.8	29.7
<b>Std. Week No:13 ( Mar 26 - Apr 1) No. of Days: 7</b>													
Mean	32.4	21.0	23.5	31.7	21.0	21.6	5.1	22.7	32.6	23.5	31.4	24.2	30.1

**PART II**

**Time of Observation:**

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

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

**Month : March**

**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	13.9	10.4	76	36	9.3	90	90	9.3	0.0	0.0	0.0	8.4
2	12.2	9.8	69	33	9.0	90	90	9.5	0.0	2.0	0.0	8.0
3	12.6	10.0	76	33	7.8	90	90	9.6	0.0	0.0	0.0	8.2
4	11.5	9.6	68	32	9.3	45	45	9.7	0.0	0.0	0.0	7.8
5	9.9	10.0	65	32	6.2	45	90	8.8	0.0	0.0	0.0	8.0
6	12.9	9.5	69	30	6.8	90	90	9.8	0.0	2.0	0.0	8.2
7	13.0	10.0	75	32	7.1	90	45	9.4	2.0	2.0	0.0	8.6
8	13.0	9.8	68	32	7.4	45	45	8.6	0.0	0.0	0.0	8.4
9	12.3	10.2	66	35	7.7	90	90	9.8	0.0	2.0	0.0	8.6
10	12.9	9.7	73	32	4.7	140	45	4.8	2.0	2.0	0.0	7.8
11	12.8	9.9	72	33	5.1	45	45	8.2	0.0	0.0	0.0	8.2
12	12.0	10.3	68	34	7.4	140	90	10.0	0.0	0.0	0.0	8.4
13	12.7	10.0	66	31	9.3	90	90	9.7	0.0	2.0	0.0	8.4
14	13.4	9.3	68	28	6.7	140	90	8.5	0.0	0.0	0.0	8.2
15	14.2	13.2	72	37	4.4	140	140	8.2	0.0	0.0	0.0	8.6
16	17.4	13.0	82	37	5.8	140	45	8.0	0.0	3.0	0.0	8.8
17	15.3	13.2	84	42	4.7	45	230	7.6	3.0	3.0	24.8	7.0
18	15.3	12.7	81	41	5.5	230	90	6.9	4.0	2.0	0.0	5.6
19	15.7	13.7	84	44	5.4	90	90	7.8	0.0	2.0	0.0	6.4
20	16.5	12.9	81	41	5.3	90	90	9.1	0.0	2.0	0.0	6.2
21	14.6	13.0	75	41	3.8	90	90	8.6	0.0	2.0	0.0	6.4
22	14.7	13.0	76	39	2.6	230	230	9.0	0.0	2.0	0.0	6.8
23	16.5	13.3	78	38	2.6	230	230	10.0	0.0	2.0	0.0	7.2
24	17.6	13.8	80	38	3.3	230	230	8.8	0.0	2.0	0.0	7.8
25	17.6	12.7	75	40	4.4	230	230	9.5	0.0	2.0	0.0	7.8
26	16.4	13.3	80	40	3.3	90	90	4.9	0.0	2.0	0.0	7.2
27	17.0	13.8	79	41	3.6	90	45	5.6	0.0	0.0	0.0	7.0
28	17.2	13.9	82	39	3.3	45	45	9.2	0.0	0.0	0.0	8.2
29	17.7	14.2	79	39	5.4	230	270	9.9	0.0	2.0	0.0	8.4
30	17.9	13.9	79	40	5.0	270	270	6.9	2.0	2.0	0.0	7.2
31	17.0	13.8	76	37	5.0	270	270	4.5	0.0	0.0	0.0	6.8
Mean	14.6	11.8	75	36	5.7	..	..	8.4	0.4	1.3	24.8	7.7
<b>Weekly mean</b>												
<b>Std. Week No:10 ( Mar 5 - Mar 11) No. of Days: 7</b>												
Mean	12.4	9.9	70	32	6.4	...	...	8.5	0.6	1.1	0.0	8.3
<b>Std. Week No:11 ( Mar 12 - Mar 18) No. of Days: 7</b>												
Mean	14.3	11.7	74	36	6.3	...	...	8.4	1.0	1.4	3.5	7.9
<b>Std. Week No:12 ( Mar 19 - Mar 25) No. of Days: 7</b>												
Mean	16.2	13.2	79	40	3.9	...	...	9.0	0.0	2.0	0.0	6.9
<b>Std. Week No:13 ( Mar 26 - Apr 1) No. of Days: 7</b>												
Mean	17.2	13.5	79	40	4.3	...	..	6.8	0.3	1.0	0.0	7.5

**Note: Rainfall is in total**

