

**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 : 2022**

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	34.8	21.0	23.8	33.6	21.6	21.4	6.1	22.4	37.2	24.6	35.8	25.8	33.6
2	34.2	20.8	23.0	31.0	20.8	22.0	6.0	23.8	37.0	25.4	35.2	27.4	33.0
3	32.0	19.8	24.0	32.0	21.8	21.8	5.5	23.0	35.4	24.6	33.0	25.8	31.0
4	33.0	19.0	23.2	30.8	21.4	21.4	5.9	25.0	34.2	26.4	33.0	27.0	32.2
5	32.0	19.8	23.0	24.8	22.0	22.0	5.5	23.2	32.4	24.4	33.0	25.0	29.6
6	33.0	19.0	24.2	31.2	22.4	22.0	5.9	23.8	34.6	24.2	32.6	27.0	29.9
7	32.6	18.0	24.0	31.4	21.6	21.6	5.9	24.0	33.8	25.4	31.6	26.2	28.6
8	32.0	19.6	24.0	30.8	21.6	21.8	5.5	23.6	33.6	25.4	30.0	27.6	27.6
9	32.6	20.0	22.8	30.4	21.0	21.6	5.6	23.8	30.8	25.6	27.2	27.4	27.0
10	30.8	18.0	22.8	25.0	21.8	21.4	5.4	22.0	24.8	23.8	25.6	26.2	26.0
11	27.0	20.0	21.2	23.6	20.6	20.2	3.9	22.0	24.4	23.4	25.0	25.0	25.6
12	25.0	18.2	21.0	23.6	20.0	21.4	3.7	21.8	22.8	22.0	24.0	23.8	24.6
13	23.8	19.6	21.8	27.0	20.6	21.8	2.9	21.6	25.8	22.0	25.0	23.6	24.2
14	27.2	20.4	23.6	28.0	21.4	21.4	3.9	23.0	26.6	23.8	25.6	24.4	25.0
15	29.8	20.0	22.8	27.4	20.6	21.6	4.8	22.0	26.0	23.4	25.6	24.6	24.8
16	28.4	19.8	23.4	28.2	21.4	21.6	4.4	24.8	26.2	25.0	25.8	25.4	25.6
17	29.8	19.2	23.0	27.2	21.2	21.4	5.0	23.0	26.2	24.0	26.0	25.2	25.4
18	28.2	19.4	22.0	25.0	21.0	21.4	4.4	22.0	24.6	23.2	24.0	25.0	24.0
19	25.2	20.0	22.0	21.4	21.0	20.8	3.3	22.0	23.8	23.0	23.6	24.2	23.2
20	22.6	16.0	20.8	24.0	19.8	21.2	3.4	20.0	25.4	21.0	24.6	21.6	24.0
21	24.8	16.4	22.4	26.0	20.8	21.4	4.0	20.8	28.0	21.2	27.0	23.4	26.0
22	26.4	19.2	21.8	27.8	20.0	21.4	3.9	21.4	29.0	22.0	27.4	23.8	25.4
23	28.2	19.6	22.2	28.2	20.8	21.6	4.4	23.4	29.6	24.0	27.6	25.0	25.8
24	29.4	19.8	23.0	29.4	21.4	21.8	4.7	23.6	33.6	24.4	30.0	25.4	28.6
25	30.6	20.4	23.4	28.6	21.6	21.8	5.0	24.4	35.6	25.2	33.0	25.8	31.8
26	30.0	20.0	24.0	29.0	21.6	21.6	4.9	25.0	36.6	26.0	34.0	27.2	31.8
27	30.8	19.6	23.0	27.4	21.2	21.8	5.2	25.0	36.4	25.6	34.6	26.0	32.0
28	30.0	20.0	23.4	28.2	21.8	21.6	4.9	25.2	36.2	26.4	29.8	27.0	29.0
29	29.8	19.2	22.6	28.0	20.4	21.8	4.9	25.2	36.0	26.0	33.0	26.8	29.0
30	30.2	19.6	23.0	29.0	21.4	21.8	5.0	25.0	34.0	25.6	31.8	26.6	29.8
31	30.0	19.8	23.2	29.2	21.4	22.4	4.9	25.2	35.2	26.0	30.8	26.8	29.2
Mean	29.5	19.4	22.9	28.0	21.2	21.6	4.8	23.3	30.8	24.3	29.2	25.5	27.8
Weekly mean													
Std. Week No:19 (May 7- May 13) No. of Days: 7													
Mean	33.1	19.6	23.6	30.7	21.7	21.7	4.7	23.6	34.9	25.0	33.5	26.3	31.1
Std. Week No:20 (May 14 - May 20) No. of Days: 7													
Mean	28.3	19.4	22.5	26.9	21.0	21.4	4.2	22.5	27.0	23.7	26.1	25.4	25.7
Std. Week No: 21 (May21 - May 27) No. of Days: 7													
Mean	27.0	18.7	22.3	25.6	20.8	21.3	4.6	22.1	25.7	23.0	25.2	24.2	24.7
Std. Week No:22 (May 28 - June 3) No. of Days: 7													
Mean	29.3	19.8	23.0	28.4	21.2	21.7	4.5	24.0	33.9	24.8	30.9	25.7	29.2

PART II

Time of Observation:

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month: May

Year : 2022

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	1400			0830
	0700	1400	0700	1400	0700	0700	1400	LMT			LMT	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	18.1	12.4	82	32	3.7	230	230	9.4	0	2	17.8	6.2
2	17.2	14.8	82	44	4.8	230	230	7.0	3	2	17.2	5.2
3	18.4	13.9	82	39	4.5	230	230	9.6	0	0	0.0	6.2
4	18.1	13.9	85	42	4.6	230	230	8.7	4	3	10.2	7.4
5	19.3	18.3	91	78	3.7	230	230	7.4	2	2	2.6	7.2
6	19.3	14.7	85	43	2.9	230	230	6.5	0	2	10.2	7.4
7	18.0	13.9	81	40	3.1	230	230	7.0	3	2	14.2	6.0
8	18.0	14.6	81	44	3.4	230	230	7.9	3	2	7.8	6.6
9	17.7	14.5	85	44	3.5	230	230	6.5	2	3	5.0	5.8
10	19.0	17.1	91	72	7.6	45	230	3.8	8	4	19.8	5.4
11	17.9	15.9	95	73	7.1	230	230	0.0	8	6	2.2	3.4
12	17.0	17.9	91	82	9.5	230	230	0.0	8	8	2.0	1.8
13	17.5	16.7	90	62	7.4	230	230	0.0	6	6	0.0	2.0
14	17.9	15.5	82	55	7.4	270	230	1.3	4	4	0.0	4.2
15	17.0	16.1	82	59	4.6	270	270	6.8	4	4	14.0	4.0
16	18.0	15.7	83	55	4.9	320	230	3.6	4	4	0.0	4.4
17	17.9	15.9	85	59	3.2	230	230	3.6	6	6	16.4	3.4
18	18.1	17.1	91	72	3.8	270	230	3.1	6	6	130.0	4.0
19	18.1	18.1	91	95	4.2	230	230	3.2	8	8	11.0	3.4
20	16.8	17.3	91	77	8.0	230	230	0.0	8	4	1.8	2.2
21	17.5	16.6	86	66	7.3	230	230	4.2	6	3	0.8	3.8
22	16.5	15.6	84	56	7.3	230	230	4.8	6	3	0.0	3.6
23	17.6	15.7	88	55	8.8	230	230	5.7	4	3	0.0	4.0
24	18.2	15.4	87	50	5.8	140	230	5.8	3	3	0.0	4.6
25	18.4	15.8	85	54	4.4	270	230	9.4	6	3	0.0	6.0
26	18.0	15.2	81	51	3.1	230	230	9.6	0	3	0.0	6.6
27	17.9	16.5	85	60	5.2	45	230	7.1	2	3	2.2	5.6
28	18.7	15.7	87	55	5.0	270	230	8.4	0	3	0.0	6.4
29	16.8	16.1	81	57	5.7	230	230	9.7	6	4	0.0	6.2
30	18.2	15.6	87	52	5.1	320	270	9.8	8	3	0.0	5.8
31	18.1	16.5	85	54	4.9	270	230	7.3	6	2	0	6.0
Mean	17.9	15.8	86	57	5.3	..	..	5.7	4	4	285.2	5.0
Weekly mean												
Std. Week No:19 (May 7- May 13) No. of Days: 7												
Mean	18.3	15.8	84	45	3.9	..	..	7.9	2	2	10.3	6.5
Std. Week No:20 (May 14 - May 20) No. of Days: 7												
Mean	17.9	16.5	88	62	6.6	..	..	2.8	6	5	5.3	4.2
Std. Week No: 21 (May19 - May 25) No. of Days: 7												
Mean	17.6	15.8	87	69	5.1	..	..	3.5	6	5	21.8	3.6
Std. Week No:22 (May 26 - June 3) No. of Days: 7												
Mean	17.9	15.8	85	54	5.7	..	..	7.3	4	3	0.3	5.3