

**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: January
Year : 2020**

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	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	26.6	16.8	20.0	25.0	18.8	20.6	2.9	21.8	30.0	22.8	28.8	23.6	27.8
2	25.2	17.4	20.0	25.8	19.0	20.8	2.6	21.6	30.0	22.0	28.8	23.4	27.6
3	26.2	17.6	20.2	27.8	19.0	21.0	2.9	21.6	31.4	22.0	29.6	23.4	28.6
4	28.2	16.8	20.8	28.8	19.6	20.8	3.2	21.8	31.0	22.4	29.6	23.8	28.0
5	29.4	17.8	21.2	28.8	20.0	21.0	3.3	21.6	31.8	22.8	30.0	23.8	29.0
6	30.0	18.2	20.8	26.4	19.6	20.6	3.3	22.4	31.0	23.8	29.0	24.8	28.8
7	26.8	17.6	20.8	26.4	19.6	20.6	2.6	21.8	31.4	22.8	30.2	23.6	29.0
8	27.6	18.0	19.8	28.0	17.8	20.6	3.7	22.0	31.8	23.0	29.2	23.8	28.0
9	29.0	17.2	20.2	28.8	19.4	20.6	3.5	22.0	32.4	22.8	30.8	23.6	30.0
10	29.4	17.0	19.2	27.8	18.0	20.8	3.4	22.0	31.8	23.4	30.0	24.0	29.0
11	28.8	15.6	18.0	26.8	16.8	20.4	3.6	22.8	32.0	23.8	30.4	24.6	29.0
12	27.2	15.2	18.0	26.2	16.6	20.2	3.7	22.8	31.6	23.6	30.2	24.0	29.0
13	26.6	15.2	18.4	27.0	17.6	20.4	3.1	22.4	31.8	22.8	30.0	23.8	29.0
14	28.0	15.8	17.8	26.8	16.6	20.0	3.1	22.0	32.0	23.6	30.4	23.8	28.6
15	27.8	15.6	17.0	27.6	15.4	20.2	3.4	21.8	31.0	22.4	30.0	23.4	28.8
16	28.6	14.4	16.8	27.8	15.6	20.4	3.4	22.2	31.8	23.4	30.0	23.6	29.0
17	28.4	14.6	17.0	27.8	16.0	20.6	3.3	22.4	31.4	23.6	30.2	24.0	28.8
18	29.0	16.4	18.0	26.8	16.8	20.6	3.7	22.0	31.4	23.8	30.2	24.0	29.0
19	27.2	17.4	19.8	28.0	18.4	20.4	3.8	22.0	31.8	23.8	30.0	24.0	29.0
20	29.0	16.8	19.2	28.8	18.0	20.8	3.6	22.4	32.4	23.6	31.0	24.0	30.0
21	29.8	15.0	18.0	28.0	16.8	20.6	3.8	22.2	32.0	23.4	31.2	24.0	30.4
22	28.8	14.2	16.6	27.8	15.2	20.4	3.9	22.4	32.2	23.0	31.4	24.0	30.2
23	28.2	16.6	18.0	28.0	16.8	20.8	3.9	22.0	32.4	23.0	30.0	23.8	29.8
24	29.2	15.4	17.8	28.4	16.6	20.8	3.9	22.0	32.4	23.2	31.6	23.8	29.8
25	29.4	12.2	16.8	28.0	15.8	20.8	3.4	22.4	32.6	23.8	31.0	24.0	28.8
26	29.4	12.0	15.0	30.0	13.8	21.0	3.3	22.6	32.0	23.8	30.0	24.0	29.0
27	31.0	13.2	18.0	29.6	16.6	21.2	3.6	22.0	32.4	23.4	30.0	21.0	28.8
28	31.0	16.2	19.0	29.0	17.8	21.0	3.9	22.4	32.0	23.8	30.0	24.4	29.0
29	30.0	16.0	18.4	30.0	17.0	20.8	3.7	22.2	32.4	23.4	31.8	24.0	30.0
30	30.8	14.4	18.2	29.6	16.6	21.4	3.6	22.0	32.6	23.4	31.6	23.6	30.8
31	31.6	16.4	20.0	29.0	18.6	20.6	2.9	22.6	32.8	23.8	31.0	24.6	29.0
Mean	28.7	15.9	18.7	27.9	17.4	20.7	3.4	22.1	31.8	23.2	30.3	23.8	29.1
Weekly mean													
Std.Week No: 1 (Jan. 1 - Jan. 7) No. of Days: 7													
Mean	27.5	17.5	20.5	27.0	19.4	20.8	3.0	21.8	30.9	22.7	29.4	23.8	28.4
Std.Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7													
Mean	28.1	16.3	18.8	27.3	17.5	20.4	3.4	22.3	31.9	23.3	30.1	23.9	28.9
Std.Week No: 3 (Jan. 15 - Jan.21) No. of Days: 7													
Mean	28.5	15.7	18.0	27.8	16.7	20.5	3.6	22.1	31.7	23.4	30.4	23.9	29.3
Std.Week No: 4 (Jan.22 - Jan. 28) No. of Days: 7													
Mean	29.6	14.3	17.3	28.7	16.1	20.9	3.7	22.3	32.3	23.4	30.6	23.6	29.3

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: January

Year : 2020

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		
	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	15.6	15.8	89	66	7.5	90	140	5.5	0	2	0	4.6
2	15.9	15.7	91	63	7.3	140	90	2.5	6	2	0	4.0
3	15.8	14.9	89	53	7.1	140	90	4.4	6	2	0	4.2
4	16.4	14.0	89	47	2.9	90	140	9.0	0	3	0	4.8
5	16.9	14.3	89	48	3.0	90	90	8.4	4	2	0	4.0
6	16.4	15.0	89	58	3.4	90	90	7.1	3	2	0	4.2
7	16.4	15.0	89	58	6.7	90	140	1.2	2	2	0	4.2
8	14.2	14.1	82	50	8.4	140	90	9.0	2	2	0	4.0
9	16.5	13.7	93	46	5.1	90	90	9.0	0	0	0	4.4
10	14.8	14.5	89	52	3.3	90	90	9.2	0	0	0	4.2
11	13.7	14.4	88	55	8.1	90	90	9.7	0	0	0	4.6
12	13.4	14.4	87	57	11.1	90	90	10.2	2	2	0	4.2
13	14.7	14.3	92	54	6.1	45	90	8.7	3	0	0	4.4
14	13.5	13.8	88	52	3.0	90	90	8.0	2	2	0	4.0
15	12.2	13.7	84	49	6.2	90	90	8.7	0	0	0	4.2
16	12.6	13.9	88	50	5.8	90	90	9.9	0	0	0	4.4
17	13.1	14.2	90	51	4.3	90	90	9.8	0	2	0	4.8
18	13.7	14.8	88	56	6.4	90	90	9.7	2	2	0	5.0
19	15.1	13.8	87	49	11.5	90	90	7.6	2	0	0	4.6
20	14.8	14.0	89	47	7.0	90	90	7.6	0	0	0	4.2
21	13.7	14.1	88	50	7.2	90	90	9.9	0	0	0	4.4
22	12.2	13.9	86	50	10.0	90	90	10.4	0	0	0	4.8
23	13.7	14.4	88	51	9.6	90	90	9.6	0	0	0	4.6
24	13.5	14.2	88	49	8.7	90	90	10.0	0	0	0	4.4
25	12.9	14.4	90	51	5.5	90	45	10.4	0	0	0	4.4
26	11.2	13.7	87	43	3.6	90	90	10.0	0	0	0	4.6
27	13.4	14.2	87	46	3.9	90	140	10.2	0	0	0	4.8
28	14.6	14.2	89	47	5.3	230	90	9.6	0	0	0	5.2
29	13.8	13.3	87	42	4.4	90	45	9.3	0	0	0	4.6
30	13.3	14.6	85	47	2.6	90	45	9.9	0	0	0	4.8
31	15.3	13.5	87	45	2.4	45	140	9.0	0	2	0	5.4
Mean	14.3	14.3	88	51	6.0	..	..	8.5	1	1	0.0	4.5
Weekly mean												
Std. Week No: 1 (Jan. 1 - Jan. 7) No. of Days: 7												
Mean	16.2	14.9	89	56	5.4	..	..	5.4	3	2	0.0	4.3
Std. Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7												
Mean	14.4	14.2	88	52	6.4	..	..	9.1	1	1	0.0	4.3
Std. Week No: 3 (Jan.15 - Jan.21) No. of Days: 7												
Mean	13.6	14.1	88	50	6.9	..	..	9.0	1	1	0.0	4.5
Std. Week No: 4 (Jan.22 - Jan.28) No. of Days: 7												
Mean	13.1	14.2	88	48	6.7	..	..	10.0	0	0	0.0	4.7