

**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

Month: May
Year : 2018

Alt. : 924 m (amsl)

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	35.0	20.5	21.8	32.6	21.0	21.0	5.1	26.0	34.2	27.2	32.0	28.0	30.0
2	33.8	20.0	22.0	31.6	20.8	21.4	4.3	24.6	33.8	25.8	31.8	26.8	30.0
3	32.8	20.2	21.8	30.0	20.4	21.0	4.2	23.6	34.0	24.6	31.8	25.8	29.6
4	32.2	18.6	21.8	29.0	20.4	20.8	4.1	22.0	34.2	23.4	33.0	24.8	30.8
5	30.6	18.4	23.4	30.6	21.8	21.2	3.7	23.8	35.8	24.6	33.2	25.8	31.8
6	31.6	21.0	23.0	31.6	21.2	21.4	4.2	24.4	36.0	25.8	34.0	26.8	33.6
7	32.2	21.0	24.0	32.8	22.4	22.0	4.3	25.6	35.6	27.0	32.0	27.8	30.0
8	33.8	22.6	24.6	31.2	22.6	20.8	5.1	26.0	34.6	27.8	33.0	28.4	30.2
9	32.6	20.2	23.8	30.2	21.6	21.8	4.0	26.2	36.8	27.8	34.0	28.8	33.4
10	31.8	21.6	23.4	32.0	21.4	22.6	4.2	27.6	35.6	28.0	32.0	29.4	30.6
11	32.6	18.8	22.6	30.8	20.8	21.8	3.8	23.6	34.6	24.6	31.8	26.0	30.0
12	31.6	19.6	20.2	30.2	19.8	21.8	3.8	21.8	34.0	22.0	32.0	23.4	31.0
13	31.8	19.8	22.8	31.0	21.4	22.0	4.2	22.8	36.0	24.0	34.6	26.0	32.8
14	32.0	20.2	23.8	30.0	21.0	21.6	3.9	24.0	32.8	25.4	30.0	26.0	29.0
15	30.8	19.6	22.0	30.0	20.8	20.8	3.5	23.8	32.0	24.4	30.0	25.0	28.6
16	30.6	20.0	22.4	31.0	20.8	21.0	3.7	24.0	36.0	25.6	33.0	26.0	31.8
17	31.6	20.2	23.4	31.6	21.4	20.8	3.8	24.6	36.6	26.0	34.0	26.8	32.8
18	31.8	20.4	23.8	31.0	21.4	22.4	4.0	25.6	36.8	26.6	34.0	27.8	33.0
19	31.6	19.2	23.0	31.2	21.0	21.4	3.4	24.0	34.0	25.4	32.6	26.0	30.8
20	32.8	19.8	23.0	31.8	20.8	21.6	4.3	22.8	34.2	24.0	32.4	25.4	30.0
21	32.4	19.0	22.4	29.4	20.8	21.0	4.1	22.4	31.0	23.6	28.8	25.0	27.6
22	29.8	19.4	22.4	30.4	20.8	20.6	3.5	22.6	31.6	23.6	30.0	24.8	28.4
23	31.2	21.0	24.0	30.0	21.6	21.2	4.1	25.0	31.6	26.6	30.0	27.8	27.8
24	31.6	19.4	22.6	30.8	21.4	21.2	3.7	22.4	31.0	23.8	30.0	25.0	28.8
25	31.0	21.0	23.4	29.0	22.0	20.8	4.1	25.2	31.6	26.8	30.0	27.4	28.8
26	29.8	20.0	22.6	28.8	21.0	21.8	3.3	22.0	32.4	23.6	30.2	24.0	29.0
27	30.0	21.4	23.4	28.8	21.6	21.4	3.5	24.0	33.0	25.6	31.0	26.4	30.0
28	30.6	20.8	23.4	31.2	21.6	22.0	4.0	23.6	34.6	24.4	33.0	26.8	30.6
29	32.2	21.2	23.8	29.2	22.0	21.8	4.8	25.6	36.6	26.8	35.0	27.4	33.0
30	30.2	20.2	23.2	29.0	21.6	21.2	4.9	25.2	34.0	26.6	32.8	27.6	31.0
31	29.2	19.0	23.0	29.6	21.4	21.6	3.6	23.0	34.4	24.0	32.6	25.0	30.0
Mean	31.7	20.1	22.9	30.5	21.2	21.4	4.0	24.1	34.2	25.3	32.1	26.4	30.5
Weekly mean													
Std. Week No:19 (May 7- May 13) No. of Days: 7													
Mean	32.3	20.5	23.1	31.2	21.4	21.8	4.2	24.8	35.3	25.9	32.8	27.1	31.1
Std. Week No:20 (May 14 - May 20) No. of Days: 7													
Mean	31.6	19.9	23.1	30.9	21.0	21.4	3.8	24.1	34.6	25.3	32.3	26.1	30.9
Std. Week No: 21 (May21 - May 27) No. of Days: 7													
Mean	30.8	20.2	23.0	29.6	21.3	21.1	3.8	23.4	31.7	24.8	30.0	25.8	28.6
Std. Week No:22 (May 28 - June 3) No. of Days: 7													
Mean	30.6	20.3	23.4	29.8	21.7	21.7	4.3	24.4	34.9	25.5	33.4	26.7	31.2

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: May

Year : 2018

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)			Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/day)	Direction			0700	0700	1400		
	0700	1400	0700	1400	0700	0700	1400		0700	0700	1400		
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT	LMT		
1	18.2	12.2	93	33	8.1	320	230	7.8	2	0	3.6	6.6	
2	17.8	13.5	90	39	6.3	230	140	6.5	2	2	0.0	4.8	
3	17.2	13.7	88	43	6.1	140	140	7.2	2	3	26.8	4.8	
4	17.2	13.9	88	46	7.7	140	230	6.7	0	0	14.8	4.6	
5	18.7	13.7	87	42	4.1	230	230	9.7	3	0	0.0	6.6	
6	17.9	13.5	85	39	4.5	230	270	8.6	0	3	0.0	6.5	
7	19.4	13.8	87	37	4.6	270	270	9.8	6	2	0.0	6.0	
8	19.5	12.7	84	37	6.2	270	270	9.8	3	3	0.0	5.6	
9	18.1	14.9	82	46	6.1	270	270	5.3	2	2	0.0	5.4	
10	18.0	15.3	83	43	7.2	270	50	5.8	3	3	0.0	5.6	
11	17.4	14.6	85	44	4.9	140	230	6.1	2	2	43.2	5.0	
12	17.1	14.9	96	46	3.8	230	230	8.7	2	2	11.8	5.2	
13	18.3	14.8	88	44	4.6	230	270	11.0	0	2	0.0	6.6	
14	17.1	14.7	77	46	4.5	270	315	6.9	0	3	0.0	5.8	
15	17.8	13.3	90	42	4.0	320	140	5.2	3	2	6.8	3.8	
16	17.5	13.1	86	39	3.8	230	230	7.6	0	3	0.0	5.4	
17	18.0	12.4	83	36	2.7	230	45	7.9	0	2	0.0	5.6	
18	17.8	15.5	80	46	4.3	270	270	8.2	2	2	0.0	5.4	
19	17.5	13.7	83	40	3.6	230	230	3.1	0	2	13.8	3.2	
20	17.2	13.7	82	39	5.1	230	230	8.0	0	2	6.8	4.8	
21	17.5	14.0	86	46	4.3	230	230	8.5	2	3	4.8	4.6	
22	17.5	12.8	86	39	4.6	230	320	4.4	0	2	0.4	4.0	
23	18.0	14.0	81	44	2.8	230	320	9.8	0	3	0.0	5.8	
24	18.4	13.6	90	41	4.2	320	320	6.0	0	2	27.2	5.0	
25	19.1	13.9	88	46	3.7	230	230	8.6	2	3	0.0	5.6	
26	17.8	15.7	86	53	4.7	230	230	3.1	3	2	18.2	4.0	
27	18.4	15.0	85	51	3.4	230	230	4.0	2	0	0.0	4.6	
28	18.4	14.7	85	43	4.0	230	270	8.4	0	2	0.0	5.0	
29	18.8	15.5	85	51	6.5	270	230	10.6	3	2	0.0	5.6	
30	18.5	14.6	87	48	9.3	270	270	11.7	2	2	0.0	4.8	
31	18.2	14.9	87	48	7.2	230	230	5.2	2	2	51.2	4.8	
Mean	18.0	14.1	86	43	5.1	..	..	7.4	2	2	229.4	5.2
Weekly mean													
Std. Week No:19 (May 7- May 13) No. of Days: 7													
Mean	18.3	14.4	86.4	42.4	5.3	...	....	8.1	3	2	55.0	5.6
Std. Week No:20 (May 14 - May 20) No. of Days: 7													
Mean	17.6	13.8	83.0	41.1	4.0	....	....	6.7	1	2	27.4	4.9
Std. Week No: 21 (May21 - May 27) No. of Days: 7													
Mean	18.1	14.1	86.0	45.7	4.0	....	....	6.3	1	2	50.6	4.8
Std. Week No:22 (May 28 - June 3) No. of Days: 7													
Mean	18.5	14.9	86.0	47.5	6.8	....	....	9.0	2	2	51.2	5.1