

**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 : July  
 Year : 2021

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	0830	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	31.6	21.6	23.8	27.8	21.6	21.8	5.0	22.6	36.6	23.8	34.8	25.8	33.0
2	29.6	20.8	23.4	29.8	21.4	21.6	4.5	23.4	36.4	24.0	34.0	24.8	33.2
3	30.4	20.2	21.8	28.8	20.2	21.4	4.9	22.8	36.6	23.8	34.2	24.4	33.4
4	30.2	20.0	22.4	29.0	20.6	21.4	4.9	22.6	34.8	23.6	33.8	24.6	33.0
5	30.0	19.0	22.0	28.8	20.8	21.6	5.0	21.8	34.0	22.4	33.4	23.2	32.8
6	29.8	19.0	22.8	28.2	20.6	21.8	4.9	21.6	34.8	22.0	33.4	23.2	31.8
7	29.8	19.4	23.0	27.6	21.4	21.8	4.9	21.4	35.0	22.4	33.8	23.4	32.8
8	28.0	20.2	23.2	27.8	21.6	21.4	4.2	21.8	30.0	22.8	28.8	23.2	27.4
9	29.0	20.0	22.4	26.6	20.8	21.2	4.5	21.4	27.8	22.2	25.6	23.0	23.8
10	27.8	19.4	22.0	26.2	20.6	20.8	4.3	21.0	26.8	22.0	25.8	22.4	23.8
11	26.4	18.7	20.8	26.0	18.2	21.4	4.0	20.6	26.8	21.4	26.0	22.8	24.0
12	26.4	19.6	22.6	26.4	21.2	21.6	3.8	21.2	28.8	22.0	26.6	22.6	26.0
13	27.0	19.0	22.0	25.6	20.4	21.0	4.1	22.0	26.6	23.2	24.8	24.0	24.0
14	26.0	18.6	21.4	25.0	20.0	20.8	3.9	20.8	25.6	22.0	25.0	22.4	24.8
15	25.4	18.2	21.0	25.0	20.4	21.0	3.8	20.4	25.4	21.8	24.6	22.0	24.0
16	25.6	18.6	22.0	26.6	21.0	21.4	3.8	20.8	25.6	21.4	24.8	22.0	24.0
17	27.4	19.2	22.4	26.6	21.6	21.4	4.2	20.8	25.8	21.6	24.0	22.0	23.0
18	28.0	18.4	21.8	26.8	20.2	21.8	4.5	21.4	25.4	22.0	25.0	23.2	23.8
19	27.2	18.8	22.8	26.8	21.6	21.6	4.2	21.0	26.0	22.0	25.0	22.8	24.0
20	28.0	18.6	22.4	26.6	21.0	20.4	4.5	21.6	25.4	22.4	24.0	23.0	23.2
21	27.0	18.4	22.0	26.8	20.6	21.0	4.2	21.0	25.2	22.0	24.0	23.0	23.2
22	27.4	18.2	21.8	26.0	20.4	21.4	4.4	20.8	25.0	21.0	23.8	22.4	22.4
23	27.4	18.2	21.6	27.0	20.8	21.4	4.4	20.6	26.6	21.4	25.4	22.4	24.6
24	28.4	18.6	22.6	27.0	20.6	21.6	4.6	21.6	26.0	22.4	24.8	23.0	24.0
25	28.4	18.6	21.6	26.4	20.4	21.2	4.6	21.2	25.8	22.0	24.8	22.4	24.0
26	26.8	19.0	23.0	27.6	21.0	21.0	4.1	21.0	26.6	22.4	25.0	22.8	24.2
27	28.2	18.8	22.8	26.8	21.2	21.4	4.5	21.2	26.4	22.0	25.4	23.2	24.8
28	27.2	18.6	22.6	27.0	20.8	21.6	4.3	21.6	26.6	22.4	25.8	23.4	24.8
29	28.4	19.0	22.8	27.0	21.2	21.4	4.5	21.6	26.6	22.4	26.0	23.4	25.4
30	27.4	18.6	22.0	27.8	20.2	21.4	4.3	21.4	26.6	22.6	24.8	23.6	24.0
31	29.0	20.0	23.0	27.4	21.0	21.2	4.5	21.4	26.8	22.4	26.0	23.6	25.8
Mean	28.0	19.1	22.3	27.1	20.8	21.3	4.4	21.4	28.5	22.3	27.2	23.2	26.2
<b>Weekly mean</b>													
<b>Std. Week No:27 (July 2 - July 8) No. of Days: 7</b>													
Mean	29.7	19.8	22.7	28.6	20.9	21.6	4.7	22.2	34.5	23.0	33.1	23.8	32.1
<b>Std. Week No:28 (July 9 - July 15) No. of Days: 7</b>													
Mean	26.9	19.1	21.7	25.8	20.2	21.1	4.0	21.1	26.8	22.1	25.5	22.7	24.3
<b>Std. Week No:29 (July 16 - July 22) No. of Days: 7</b>													
Mean	27.2	18.6	22.2	26.6	20.9	21.3	4.2	21.1	25.5	21.8	24.4	22.6	23.4
<b>Std. Week No:30 ( July 23 - July 29) No. of Days: 7</b>													
Mean	27.8	18.7	22.4	27.0	20.9	21.4	4.4	21.3	26.4	22.1	25.3	22.9	24.5
<b>Std. Week No:31 ( July 30 - August 5) No. of Days: 7</b>													
Mean	28.4	19.0	21.0	27.7	20.1	20.5	4.2	20.6	31.5	21.7	28.9	21.3	28.4

PART- II

Time of Observation :

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : July

Year : 2021

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 LMT	1400 LMT	0700 LMT	1400 LMT	0700 LMT	0700 LMT	1400 LMT		0700 LMT	1400 LMT		
1	18.1	16.3	82	58	3.2	270	270	7.5	3	2	0.0	6.6
2	18.0	14.8	83	47	5.7	230	230	2.9	3	3	0.0	6.0
3	16.9	15.0	86	51	6.3	230	230	7.8	3	2	0.0	6.2
4	17.2	14.9	85	50	4.3	230	320	5.6	2	2	0.0	5.8
5	17.8	15.4	90	52	7.2	320	320	7.1	3	4	25.2	4.0
6	17.0	16.0	82	56	5.0	320	320	9.6	6	3	0.0	5.4
7	18.2	16.4	87	59	2.7	230	230	5.6	2	2	1.2	4.4
8	18.5	15.6	87	56	3.9	230	230	4.3	2	3	0.0	4.6
9	17.5	15.9	86	61	3.2	230	230	5.9	6	4	5.0	4.0
10	17.4	15.4	88	61	6.1	230	230	2.9	8	6	3.2	3.2
11	14.2	16.6	77	66	8.6	230	230	0.3	8	6	0.6	2.8
12	18.1	16.7	88	65	8.5	270	230	2.4	3	3	0.0	4.0
13	17.1	16.1	86	65	8.2	230	230	1.3	4	4	0.0	3.6
14	16.8	16.1	88	68	7.0	230	230	0.0	8	6	3.2	2.6
15	17.6	16.4	95	69	5.3	230	230	0.0	8	6	32.8	1.8
16	18.1	16.2	91	62	6.5	230	230	0.2	6	4	3.8	2.6
17	18.9	16.2	93	62	5.8	230	230	3.1	6	4	9.2	2.2
18	16.9	16.8	86	64	6.6	230	230	3.4	6	4	21.6	2.6
19	18.7	16.5	90	62	6.9	230	230	1.7	3	4	0.0	3.4
20	17.9	14.5	88	56	7.4	230	230	7.6	3	3	21.0	4.4
21	17.4	15.4	88	58	7.9	230	230	5.7	6	6	5.0	3.2
22	17.2	16.6	88	66	8.5	230	230	0.2	8	6	1.4	3.0
23	18.0	16.0	93	60	9.5	230	230	0.0	6	4	2.6	2.4
24	17.1	16.4	83	61	8.4	230	230	0.3	6	3	0.0	3.2
25	17.3	16.0	89	62	6.1	230	230	0.3	6	4	13.4	3.6
26	17.5	15.0	83	54	7.1	230	230	5.8	4	3	20.2	3.0
27	18.0	16.1	86	61	8.0	230	230	3.9	3	3	0.0	4.2
28	17.4	16.4	85	61	8.9	230	230	5.0	8	3	0.0	4.4
29	18.0	16.0	86	60	9.2	230	230	6.5	3	4	0.0	4.2
30	16.8	15.6	85	56	8.7	230	230	5.8	6	4	0.0	4.0
31	17.5	15.4	83	56	7.1	230	230	5.0	4	3	2.2	3.8
Mean	17.5	15.9	87	59	6.7	....	..	3.8	5	4	171.6	3.8
Weekly mean												
Std. Week No:27 (July 2 - July 8) No. of Days: 7												
Mean	17.6	15.4	85	53	5.0	...	...	6.1	3	3	26.4	5.2
Std. Week No:28 (July 9 - July 15) No. of Days: 7												
Mean	17.0	16.2	87	65	6.7	...	...	1.8	6	5	44.8	3.1
Std. Week No:29 (July 16 - July 22) No. of Days: 7												
Mean	17.9	16.0	89	61	7.1	...	...	3.1	5	4	62.0	3.1
Std. Week No:30 (July 23 - July 29) No. of Days: 7												
Mean	17.6	16.0	87	60	8.2	...	...	3.1	5	3	36.2	3.6
Std. Week No:31 (July 30 - August 5) No. of Days: 7												
Mean	17.2	18.3	91	43	8.4	..	..	4.9	2	2	13.4	4.2

Note: Rainfall is in Total