

**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 : September  
 Year : 2018

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	28.4	19.0	21.0	27.6	19.0	20.8	3.4	21.4	28.0	22.0	27.0	23.8	26.8
2	28.6	18.6	20.8	28.6	20.2	21.2	3.4	21.8	29.8	22.6	27.6	24.0	27.0
3	30.4	17.8	20.6	29.0	19.8	20.8	3.8	22.0	29.6	23.0	28.0	24.2	27.0
4	30.0	17.6	20.4	28.0	19.8	21.0	3.5	22.0	30.8	22.8	28.8	23.8	28.0
5	29.8	18.6	20.8	27.8	20.0	20.8	3.7	21.8	29.6	22.6	28.0	23.8	26.0
6	28.6	18.0	21.4	28.0	20.6	21.0	3.3	22.0	30.0	22.8	28.6	23.6	27.8
7	29.0	19.2	21.6	28.0	20.6	21.2	3.6	22.0	30.6	23.2	30.0	24.2	28.2
8	29.2	18.6	22.0	28.2	20.8	21.0	3.9	22.0	31.0	23.6	29.8	24.0	28.0
9	29.0	19.6	20.6	28.6	19.8	21.2	3.8	22.2	31.2	23.8	29.6	24.4	28.4
10	30.8	20.4	21.6	25.0	20.8	21.0	3.7	21.8	31.4	22.4	30.0	24.0	28.8
11	25.8	20.4	21.4	29.0	20.8	20.8	2.5	22.4	29.6	23.6	28.6	23.8	28.0
12	30.6	19.2	21.8	30.8	20.4	21.0	3.5	21.0	29.8	22.4	26.8	23.8	26.0
13	31.4	19.6	22.4	29.0	20.6	20.8	3.6	22.0	29.6	23.4	27.8	24.6	27.0
14	30.4	20.0	22.0	30.4	20.8	20.6	3.3	21.8	28.8	22.4	27.8	23.0	27.0
15	31.2	19.4	21.4	28.0	20.0	20.8	3.6	21.4	29.0	22.4	27.6	23.0	27.4
16	29.6	19.6	22.0	28.8	20.8	20.8	3.1	21.8	28.4	22.8	27.0	23.4	26.8
17	29.2	19.0	20.0	27.0	19.8	20.4	3.1	21.6	27.8	22.0	26.2	23.0	26.0
18	27.8	19.2	20.6	28.4	20.0	19.0	3.4	21.8	29.8	22.6	28.0	23.6	26.8
19	28.6	21.0	20.8	27.8	20.4	21.2	3.9	21.8	29.0	22.8	27.6	23.6	26.6
20	28.6	20.8	21.0	27.6	20.2	21.2	3.5	21.8	29.6	22.6	28.0	23.8	27.2
21	28.2	19.2	20.4	27.0	19.8	20.8	3.4	21.8	30.0	22.8	28.8	23.6	27.6
22	28.0	17.0	20.6	27.0	19.2	20.4	2.9	20.8	31.0	21.6	30.0	22.8	29.0
23	28.0	19.6	20.2	27.8	19.6	20.2	3.8	22.0	31.0	22.6	29.6	24.2	28.8
24	28.8	18.8	20.0	27.8	19.8	20.4	3.0	21.0	29.6	22.4	28.0	23.0	27.6
25	28.6	17.8	20.8	28.0	20.0	20.8	3.1	21.6	29.8	22.0	28.0	23.4	27.0
26	29.2	18.8	21.8	27.6	20.4	20.8	3.3	21.4	29.6	22.0	28.2	23.0	27.4
27	29.0	18.6	21.4	27.4	20.6	20.8	3.4	22.0	29.8	22.8	28.6	23.4	27.4
28	28.4	19.4	22.6	30.0	21.0	21.2	3.2	21.8	31.6	22.8	30.0	23.4	29.0
29	31.0	20.0	22.2	28.8	21.2	21.0	4.0	21.8	30.8	22.8	30.0	23.8	28.6
30	29.6	20.8	22.4	29.0	21.6	21.8	3.9	22.8	31.2	23.6	30.6	24.4	28.8
Mean	29.2	19.2	21.2	28.2	20.3	20.8	3.5	21.8	29.9	22.7	28.5	23.7	27.5
<b>Weekly Mean</b>													
<b>Std. Week No:36 ( Sept. 3 - Sept. 9) No. of Days : 7</b>													
Mean	29.4	18.5	21.1	28.2	20.2	21.0	3.7	22.0	30.4	23.1	29.0	24.0	27.6
<b>Std. Week No:37 ( Sept.10 - Sept.16) No. of Days: 7</b>													
Mean	30.0	19.8	21.8	28.7	20.6	20.8	3.3	21.7	29.5	22.8	27.9	23.7	27.3
<b>Std. Week No:38 ( Sept. 17 - Sept. 23) No. of Days: 7</b>													
Mean	28.3	19.4	20.5	27.5	19.9	20.5	3.4	21.7	29.7	22.4	28.3	23.5	27.4
<b>Std. Week No:39 ( Sept. 24 - Sept.30) No. of Days: 7</b>													
Mean	29.2	19.2	21.6	28.4	20.7	21.0	3.4	21.8	30.3	22.6	29.1	23.5	28.0

**PART II**

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : September

Year : 2018

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
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT			LMT
1	15.4	14.7	82	53	7.1	270	270	5.2	4	3	0.0	3.2	
2	17.4	14.8	95	50	6.5	230	230	7.0	4	4	0.0	3.4	
3	16.9	13.9	93	46	6.4	320	230	10.2	3	3	0.0	4.0	
4	17.0	14.8	95	52	4.6	230	270	8.6	2	2	0.0	4.2	
5	17.1	14.5	93	52	5.7	270	230	10.0	4	3	0.0	4.4	
6	17.8	14.8	93	52	6.8	230	230	6.7	4	3	0.0	4.2	
7	17.6	15.1	91	53	8.0	270	230	7.1	3	3	0.0	4.4	
8	17.8	14.7	90	51	8.5	230	320	9.9	4	3	0.0	4.6	
9	16.9	14.8	93	50	5.3	320	320	10.0	3	3	0.0	4.4	
10	18.0	16.4	93	69	3.7	320	270	9.3	6	3	0.0	4.8	
11	18.1	13.9	95	46	3.0	270	320	0.4	2	3	0.0	3.4	
12	17.2	13.2	88	40	3.6	320	230	6.9	2	3	1.0	3.2	
13	17.2	13.9	85	46	3.1	270	230	7.9	3	3	0.0	4.4	
14	17.8	12.8	90	39	3.0	230	270	4.6	2	2	5.2	4.0	
15	16.8	14.4	88	51	4.2	270	270	6.8	3	4	41.8	3.8	
16	17.8	14.0	90	47	4.6	320	270	3.0	6	3	3.4	3.4	
17	17.2	14.3	98	54	4.7	270	270	3.4	6	3	33.8	3.0	
18	17.2	11.3	95	39	6.7	270	270	3.6	3	2	0.0	3.4	
19	17.8	15.2	96	54	8.0	230	230	8.0	3	2	0.0	4.4	
20	17.3	15.3	93	55	6.2	230	230	5.3	3	4	0.0	3.6	
21	17.0	15.0	95	56	7.1	230	230	4.8	6	3	0.6	3.8	
22	15.9	14.3	87	54	5.0	230	320	3.0	0	3	0.0	3.6	
23	16.8	13.5	94	48	4.2	90	270	10.3	3	4	0.0	4.2	
24	17.2	13.9	98	50	2.7	270	230	3.2	6	3	19.8	3.0	
25	17.1	14.4	93	51	2.9	230	230	5.6	0	3	39.0	3.6	
26	17.2	14.7	88	53	2.5	270	230	5.7	0	3	0.8	3.4	
27	17.8	14.8	93	54	3.7	230	230	6.9	2	3	6.2	3.8	
28	17.8	14.0	86	44	2.7	90	230	4.6	2	3	1.2	3.6	
29	18.3	14.3	91	48	4.7	230	230	8.2	3	3	0.8	3.6	
30	18.9	15.6	93	52	4.8	90	320	8.5	2	3	0.0	4.2	
Mean	17.3	14.4	92	50	5.0	..	..	6.5	3	3	153.6	3.8	
Weekly Mean													
Std. Week No:36 ( Sept. 3 - Sept. 9) No. of Days : 7													
Mean	17.3	19.1	92	51	6.5	..	..	8.9	3	3	0.0	4.3	
Std. Week No:37 ( Sept.10 - Sept.16) No. of Days: 7													
Mean	17.5	18.6	90	48	3.6	..	..	5.6	3	3	51.4	3.9	
Std. Week No:38 ( Sept.17 - Sept. 23) No. of Days: 7													
Mean	17.0	18.4	94	51	6.0	..	..	5.5	3	5	26.0	3.7	
Std. Week No:39 ( Sept. 24 - Sept.30) No. of Days: 7													
Mean	17.8	18.8	92	50	3.4	..	..	6.1	2	3	67.8	3.6	

Note: Rainfall is in Total