

**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 : March  
 Year: 2018

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	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	31.4	14.8	18.8	30.6	17.4	21.4	3.7	20.8	34.2	21.2	32.8	22.6	30.4
2	32.0	16.6	20.4	29.8	18.0	21.2	4.0	21.0	33.6	22.4	30.8	23.6	28.4
3	32.0	14.0	20.6	29.0	17.8	21.4	3.7	21.2	33.4	22.0	30.0	22.8	28.8
4	31.8	13.6	20.0	30.2	17.8	21.8	3.6	21.6	34.0	23.4	31.8	24.0	30.0
5	32.0	14.6	20.8	31.4	15.8	16.0	4.0	21.8	36.4	22.4	31.2	23.6	30.8
6	32.6	13.2	20.0	32.6	14.0	16.0	3.8	21.6	36.6	23.0	30.0	24.4	29.0
7	32.8	12.0	19.0	31.0	14.8	16.6	3.8	21.6	36.8	22.4	32.6	23.8	30.0
8	32.0	15.6	18.8	31.0	14.6	17.6	4.1	21.2	36.8	22.6	33.0	23.6	30.0
9	32.2	13.6	20.8	31.6	16.0	18.0	3.9	22	36.6	23.8	33.2	24.6	31.6
10	32.6	15.8	20.6	30.8	16.2	17.6	4.3	22.2	36.8	23.8	34.6	24.4	31.2
11	31.6	17.4	20.8	31.4	16.8	17.8	4.2	22.4	37.4	23.6	33.4	24.8	30.0
12	32.8	18.0	20.6	30.6	18.4	17.8	5.1	22.4	37.0	23.8	32.2	24.6	30.0
13	32.0	18.6	20.4	30.8	18.6	20.0	4.5	23.0	36.6	23.8	32.8	24.8	30.6
14	31.2	21.6	23.0	30.0	19.8	18.8	5.0	24.4	37.4	25.2	33.0	26.0	30.0
15	31.2	21.6	22.4	30.0	20.8	20.4	4.4	25.6	38.8	27.0	34.6	28.4	31.8
16	30.8	19.8	21.2	29.2	20.2	21.8	3.7	23.8	32.2	24.8	30.0	25.6	29.6
17	30.4	18.2	20.2	27.2	19.8	21.6	3.4	21.8	30.2	22.4	29.6	23.8	29.0
18	29.0	20.0	21.2	28.8	20.0	20.8	3.4	22.0	34.2	23.4	33.0	24.4	30.0
19	29.6	17.2	21.0	30.2	19.6	16.6	3.8	21.2	36.0	22.8	34.6	23.8	33.0
20	31.0	17.4	21.2	30.8	19.4	21.2	3.8	22.0	35.6	23.4	33.0	24.6	30.2
21	32.4	18.4	22.0	31.2	20.8	20.8	3.8	22.4	36.4	23.8	35.0	24.6	31.6
22	32.6	18.4	21.8	30.8	19.8	20.8	3.9	24.0	37.0	25.6	34.8	26.8	32.6
23	32.2	20.4	23.4	31.8	20.8	21.6	4.0	24.2	37.6	25.8	35.0	26.8	33.0
24	33.6	21.0	23.4	31.0	21.2	21.4	4.4	24.8	37.4	26.6	35.2	27.8	33.0
25	32.8	20.8	23.0	31.8	21.2	21.6	4.2	23.8	38.0	24.8	34.8	26.6	31.8
26	33.2	19.4	22.8	32.6	20.8	21.4	4.5	24.8	37.4	25.8	35.0	27.0	33.2
27	33.6	19.4	22.4	32.2	20.8	21.8	4.4	24.6	37.6	26.8	35.0	28.0	33.0
28	33.2	19.2	23.0	32.0	21.2	21.2	4.2	24.0	37.8	26.2	35.4	27.8	33.2
29	32.8	20.0	23.2	31.8	21.0	21.2	4.1	24.4	38.0	26.4	35.4	28.0	33.0
30	32.6	20.8	23.4	32.0	20.8	21.0	4.0	25.4	37.8	26.8	35.4	28.0	33.4
31	33.0	17.2	22.2	30.8	20.0	20.6	3.7	23.8	36.6	24.8	36.0	26.6	33.2
Mean	32.0	17.7	21.4	30.8	18.8	19.9	4.1	22.9	36.2	24.2	33.3	25.4	31.1
<b>Weekly mean</b>													
<b>Std.Week No:10 ( Mar 5 - Mar 11) No. of Days: 7</b>													
Mean	32.3	14.6	20.1	31.4	15.5	17.1	4.0	21.8	36.8	23.1	32.6	24.2	30.4
<b>Std.Week No:11 ( Mar 12 - Mar 18) No. of Days: 7</b>													
Mean	31.1	19.7	21.3	29.5	19.7	20.2	4.2	23.3	35.2	24.3	32.2	25.4	30.1
<b>Std.Week No:12 ( Mar 19 - Mar 25) No. of Days: 7</b>													
Mean	32.0	19.1	22.3	31.1	20.4	20.6	4.0	23.2	36.9	24.7	34.6	25.9	32.2
<b>Std.Week No:13 ( Mar 26 - Apr 1) No. of Days: 7</b>													
Mean	33.1	19.3	22.8	31.9	20.8	21.2	4.2	24.5	37.5	26.1	35.4	27.6	33.2

## PART II

Time of Observation:

I---&gt; 0700 Hours LMT = 0720 IST

II---&gt; 1400 Hours LMT = 1420 IST

Month : March

Year: 2018

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)		
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hr)	Direction			0700	1400			0830	0830
	0700	1400	0700	1400	0700	0700	1400							
	LMT	LMT	LMT	LMT	LMT	LMT	LMT							
1	14.1	21.3	87	43	8.4	50	90	10.0	0.0	0.0	0.0	7.6		
2	14.2	20.7	79	45	7.3	90	50	10.5	0.0	0.0	0.0	8.6		
3	13.7	21.1	76	50	8.7	50	50	9.6	0.0	0.0	0.0	8.0		
4	14.1	21.8	80	46	6.4	230	90	10.7	0.0	0.0	0.0	8.2		
5	10.7	13.7	58	15	7.8	90	90	9.8	0.0	0.0	0.0	8.4		
6	8.7	14.7	50	12	7.1	90	50	10.0	0.0	0.0	0.0	10.2		
7	10.3	15.2	63	19	7.7	140	90	10.2	0.0	0.0	0.0	7.8		
8	10.2	16.7	62	23	8.4	90	140	10.3	0.0	0.0	0.0	7.8		
9	11.0	16.6	60	23	7.5	140	90	9.7	0.0	0.0	0.0	9.2		
10	11.4	15.9	63	23	8.3	90	90	9.4	0.0	0.0	0.0	8.6		
11	12.1	15.8	66	23	7.0	90	90	8.5	0.0	0.0	0.0	8.0		
12	14.7	15.0	81	25	11.4	90	140	9.8	0.0	0.0	0.0	9.4		
13	15.1	18.3	84	35	8.6	50	140	9.5	0.0	0.0	0.0	8.0		
14	15.6	15.7	74	32	10.3	140	140	8.3	4.0	3.0	0.0	7.4		
15	17.5	17.8	86	40	8.5	140	140	5.4	3.0	2.0	0.0	6.4		
16	17.2	20.5	91	51	5.7	140	230	6.9	2.0	2.0	15.0	7.2		
17	17.1	20.3	96	60	5.4	50	140	6.8	3.0	4.0	33.2	6.0		
18	16.9	18.9	89	47	5.3	140	50	5.6	0.0	2.0	0.0	8.4		
19	16.3	12.5	88	21	7.0	50	140	8.3	0.0	0.0	0.0	6.8		
20	15.9	19.9	84	41	6.2	140	140	9.2	0.0	0.0	0.0	7.0		
21	17.8	18.4	90	37	3.6	230	230	9.1	0.0	2.0	0.0	6.4		
22	16.2	19.0	83	39	5.4	230	140	9.0	2.0	0.0	0.0	7.0		
23	17.0	19.8	79	39	4.6	320	230	8.2	0.0	0.0	0.0	6.4		
24	17.7	19.2	82	41	4.8	230	90	9.2	2.0	0.0	0.0	8.0		
25	17.9	19.6	85	39	6.3	90	90	6.5	0.0	0.0	0.0	7.0		
26	17.3	19.4	83	35	8.4	90	140	8.7	0.0	0.0	0.0	8.8		
27	17.5	20.1	86	38	7.2	140	140	8.2	2.0	0.0	0.0	7.6		
28	17.9	18.9	85	36	6.5	140	230	7.4	0.0	0.0	0.0	9.0		
29	17.4	19.0	82	37	4.2	230	230	8.4	0.0	0.0	0.0	8.2		
30	17.0	18.8	79	35	4.3	230	230	6.2	3.0	2.0	0.0	7.8		
31	16.3	18.5	81	38	4.7	230	230	5.7	0.0	0.0	14.0	7.0		
Mean	15.1	18.2	78	35	6.9	..	..	8.6	1	1	62.2	7.8		
<b>Weekly mean</b>														
<b>Std.Week No:10 ( Mar 5 - Mar 11) No. of Days: 7</b>														
Mean	10.6	15.5	60	20	7.7	...	...	9.7	0.0	0.0	0.0	8.6		
<b>Std.Week No:11 ( Mar 12 - Mar 18) No. of Days: 7</b>														
Mean	16.3	18.1	86	41	7.9	...	...	7.5	1.7	1.9	6.9	7.5		
<b>Std.Week No:12 ( Mar 19 - Mar 25) No. of Days: 7</b>														
Mean	17.0	18.3	84	37	5.4	...	...	8.5	0.6	0.3	0.0	6.9		
<b>Std.Week No:13 ( Mar 26 - Apr 1) No. of Days: 7</b>														
Mean	17.2	19.1	83	37	5.9	...	..	7.4	0.8	0.3	14.0	8.1		

Note: Rainfall is in total