

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: 2019

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		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	33.0	18.2	21.6	30.6	20.2	21.6	3.7	22.4	36.8	23.8	34.8	25.0	33.0
2	32.6	21.2	22.0	30.8	20.8	21.0	4.5	23.8	37.0	24.8	34.6	25.6	33.8
3	32.6	19.6	20.8	30.2	19.0	20.4	4.4	23.0	37.8	23.8	35.6	25.2	33.8
4	31.8	19.6	21.0	31.6	20.0	21.2	3.9	23.4	37.8	24.6	36.0	25.8	34.6
5	33.0	20.4	21.8	32.0	20.4	21.4	4.1	24.0	38.0	25.8	35.8	26.4	35.0
6	34.0	20.8	22.0	32.8	20.6	21.8	3.9	24.2	38.8	25.8	36.0	27.0	35.2
7	34.8	16.8	23.0	33.8	20.8	21.6	3.8	24.8	38.6	25.8	36.6	27.0	31.8
8	35.8	18.4	23.0	34.0	20.6	22.0	4.0	25.2	39.0	26.6	36.8	27.8	35.0
9	35.0	20.0	23.6	31.0	21.8	21.6	4.1	24.2	39.2	25.8	37.0	26.6	36.6
10	32.2	21.0	23.2	31.8	21.0	21.8	4.2	24.2	39.8	25.6	37.8	26.0	36.4
11	33.6	21.2	23.8	31.6	21.2	21.6	4.4	25.0	39.0	26.0	37.0	27.4	35.8
12	33.0	20.6	23.0	31.2	20.8	21.2	4.5	26.0	38.8	26.8	37.6	27.8	36.6
13	32.8	18.8	23.0	33.0	20.0	21.6	4.4	26.0	38.8	26.6	37.0	27.4	37.0
14	33.0	20.6	23.4	31.8	20.8	21.2	4.6	25.8	39.0	26.4	36.8	26.8	36.0
15	33.2	20.4	23.6	31.4	20.8	21.2	4.8	25.4	38.8	26.0	37.0	26.6	36.0
16	33.0	18.6	23.4	31.8	20.8	21.0	4.5	25.6	39.0	26.6	37.0	27.4	36.6
17	32.6	20.0	23.6	31.8	20.8	21.0	4.5	25.6	39.0	27.0	37.0	27.8	36.6
18	33.2	20.2	23.4	31.8	20.8	21.0	4.2	25.8	39.6	26.6	38.8	27.4	37.0
19	33.6	19.8	22.8	32.0	20.4	21.2	4.4	25.6	39.2	26.8	38.2	27.6	37.4
20	33.8	20.8	23.6	31.6	20.8	20.6	4.6	25.4	38.8	26.6	37.6	27.8	36.8
21	33.2	20.2	23.4	31.8	20.8	21.2	4.5	27.8	39.8	26.0	38.8	27.0	37.0
22	34.0	20.0	23.0	32.4	20.8	21.6	4.4	24.8	39.6	26.2	38.4	27.4	37.0
23	34.2	20.8	23.4	32.2	21.0	21.8	4.3	24.6	39.4	26.0	37.0	27.0	36.4
24	34.6	20.4	23.4	32.0	20.4	21.6	4.3	24.4	38.8	25.8	37.0	27.0	36.0
25	34.4	20.6	23.2	32.2	20.4	21.8	4.8	24.6	38.6	26.6	37.6	27.8	36.6
26	34.8	20.6	23.8	32.4	21.0	21.2	4.9	24.8	38.6	25.6	37.4	27.0	36.0
27	34.4	20.0	23.4	33.4	20.8	21.6	4.8	24.4	39.0	26.0	37.8	26.8	36.4
28	35.0	20.8	24.0	33.0	21.8	22.0	4.5	24.6	39.0	26.6	37.6	27.4	36.6
29	35.2	20.8	23.4	32.8	20.8	21.0	4.9	24.8	38.8	26.8	37.4	27.6	36.6
30	34.6	20.8	23.2	32.4	21.0	21.4	4.7	24.4	38.4	26.6	37.8	27.8	36.8
31	35.0	20.6	23.4	33.0	20.8	21.6	4.6	23.8	38.4	24.8	36.8	27.0	34.8
Mean	33.7	20.1	23.0	32.1	20.7	21.4	4.4	24.8	38.7	26.0	37.1	27.0	35.8
Weekly mean													
Std.Week No:10 (Mar 5 - Mar 11) No. of Days: 7													
Mean	34.1	19.8	22.9	32.4	20.9	21.7	4.1	24.5	38.9	25.9	36.7	26.9	35.1
Std.Week No:11 (Mar 12 - Mar 18) No. of Days: 7													
Mean	33.0	19.9	23.3	31.8	20.7	21.2	4.5	25.7	39.0	26.6	37.3	27.3	36.5
Std.Week No:12 (Mar 19 - Mar 25) No. of Days: 7													
Mean	34.0	20.4	23.3	32.0	20.7	21.4	4.5	25.3	39.2	26.3	37.8	27.4	36.7
Std.Week No:13 (Mar 26 - Apr 1) No. of Days: 7													
Mean	34.8	20.6	23.5	32.8	21.0	21.5	4.7	24.5	38.7	26.1	37.5	27.3	36.2

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : March

Year: 2019

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	17.0	14.4	88	44	2.9	140	140	9.8	2.0	0.0	0.0	6.2		
2	17.8	13.2	90	40	8.5	140	45	9.7	0.0	2.0	0.0	6.6		
3	15.5	12.6	84	39	8.6	45	45	8.3	0.0	0.0	0.0	6.2		
4	17.0	13.1	91	38	5.3	45	320	8.3	0.0	0.0	0.0	6.0		
5	17.2	13.2	88	37	5.5	270	270	8.7	0.0	0.0	0.0	6.6		
6	17.4	13.5	88	36	3.6	320	140	8.0	0.0	0.0	0.0	6.4		
7	17.2	12.6	82	32	3.7	90	270	9.9	0.0	0.0	0.0	6.4		
8	16.9	13.2	80	33	3.5	45	270	10.0	0.0	2.0	0.0	6.6		
9	18.6	14.1	85	42	3.6	270	230	9.4	4.0	2.0	0.0	6.8		
10	17.4	14.0	82	40	7.6	230	230	7.8	0.0	0.0	0.0	6.6		
11	17.4	13.8	79	40	7.5	230	230	8.1	0.0	0.0	0.0	7.2		
12	17.2	13.3	82	39	8.9	230	230	9.1	0.0	0.0	0.0	7.8		
13	15.9	13.0	75	35	8.5	230	230	9.2	0.0	0.0	0.0	8.2		
14	17.0	13.0	79	37	9.2	230	230	9.4	0.0	0.0	0.0	8.6		
15	16.9	13.2	77	38	10.6	90	90	9.7	0.0	0.0	0.0	9.0		
16	17.0	12.7	79	36	9.1	45	230	9.7	0.0	0.0	0.0	9.4		
17	16.9	12.7	77	36	8.1	230	230	9.9	0.0	0.0	0.0	9.4		
18	17.0	12.7	79	36	5.3	270	230	9.9	0.0	0.0	0.0	9.6		
19	16.6	12.9	80	36	7.0	270	230	9.6	0.0	0.0	0.0	8.8		
20	16.9	12.1	77	35	7.9	230	230	9.0	0.0	0.0	0.0	9.4		
21	17.0	13.0	79	37	7.7	230	230	8.8	0.0	0.0	0.0	9.0		
22	17.2	13.4	82	37	6.3	230	230	8.7	0.0	0.0	0.0	8.8		
23	17.3	13.8	80	38	5.1	230	230	8.7	0.0	0.0	0.0	9.0		
24	16.3	13.6	76	38	5.0	230	230	8.8	0.0	0.0	0.0	8.8		
25	16.4	13.8	77	38	7.6	230	230	9.7	0.0	0.0	0.0	9.2		
26	17.1	12.7	77	35	8.6	230	230	9.6	0.0	0.0	0.0	9.2		
27	17.0	12.8	79	33	8.6	230	230	9.2	0.0	0.0	0.0	8.8		
28	18.4	13.7	82	36	5.2	230	230	9.2	0.0	0.0	0.0	9.0		
29	17.0	12.1	79	32	7.7	230	230	9.3	0.0	0.0	0.0	9.2		
30	17.4	13.0	82	36	6.8	270	230	8.4	0.0	0.0	0.0	8.8		
31	17.0	13.0	79	35	5.3	230	230	9.0	0.0	0.0	0.0	8.4		
Mean	17.1	19.5	81	37	6.7	..	..	9.1	0	0	0.0	8.1
Weekly mean														
Std.Week No:10 (Mar 5 - Mar 11) No. of Days: 7														
Mean	17.5	13.5	83	37	5.0	...	...	8.8	0.6	0.6	0.0	6.7
Std.Week No:11 (Mar 12 - Mar 18) No. of Days: 7														
Mean	16.8	12.9	78	37	8.5	...	...	9.6	0.0	0.0	0.0	8.9
Std.Week No:12 (Mar 19 - Mar 25) No. of Days: 7														
Mean	16.8	13.2	79	37	6.7	...	...	9.0	0.0	0.0	0.0	9.0
Std.Week No:13 (Mar 26 - Apr 1) No. of Days: 7														
Mean	17.3	12.9	80	35	7.0	...	..	9.1	0.0	0.0	0.0	8.9

Note: Rainfall is in total