

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: 2022

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	30.6	16.6	19.6	30.6	18.2	19.6	5.1	22.4	32.6	23.0	31.4	24.0	30.0
2	30.8	14.2	19.0	29.4	17.6	18.4	5.4	22.8	33.6	23.6	31.2	24.2	30.8
3	30.2	15.0	20.8	29.8	18.2	19.0	5.2	22.0	32.8	23.4	30.2	24.0	29.4
4	30.0	15.2	20.0	30.0	18.0	18.2	5.1	21.2	33.0	22.4	31.2	23.6	30.0
5	31.2	16.0	19.2	29.4	17.2	18.4	5.3	21.0	33.2	22.2	31.6	23.4	30.0
6	31.0	16.0	20.2	29.2	18.0	19.2	5.3	21.8	32.0	22.4	30.0	23.0	29.8
7	31.0	17.2	20.4	26.0	17.8	20.0	5.2	22.6	31.4	23.8	29.0	24.6	26.8
8	26.6	16.6	20.0	28.0	17.4	21.0	4.2	21.8	32.4	22.4	30.0	23.6	28.0
9	30.0	17.4	21.8	29.0	18.4	20.8	4.9	22.0	32.6	23.2	31.8	24.0	28.8
10	31.6	18.0	22.0	30.8	19.8	21.2	5.3	22.2	34.8	23.6	33.0	24.0	32.0
11	32.0	19.6	22.0	30.6	20.8	21.0	5.2	22.4	33.6	23.4	32.8	24.6	31.4
12	33.6	16.8	22.8	31.2	21.0	21.6	6.0	22.6	34.8	23.8	33.0	24.6	32.8
13	32.0	18.0	21.0	30.0	18.4	21.4	5.4	22.4	35.4	23.6	32.6	24.6	32.0
14	31.8	17.6	21.4	31.8	19.0	21.6	5.4	22.8	35.6	23.8	33.4	24.8	32.4
15	32.6	17.8	22.0	30.8	19.6	21.4	5.6	22.8	35.8	24.0	33.8	24.8	30.0
16	33.0	17.2	22.0	30.0	19.2	21.4	5.8	23.0	35.0	24.0	33.2	24.2	30.2
17	33.2	16.8	19.8	32.0	17.4	21.8	5.9	23.0	36.0	24.2	34.6	25.0	22.8
18	33.0	17.6	22.8	32.4	20.6	21.8	5.8	23.4	37.4	24.4	35.0	25.6	33.0
19	33.4	19.2	23.6	32.4	21.2	21.8	5.7	23.6	37.0	24.4	35.8	25.4	33.0
20	33.2	19.8	23.0	31.8	21.4	21.4	5.6	23.0	35.8	23.8	33.0	24.2	30.4
21	33.0	19.8	22.6	31.4	20.8	21.6	5.5	22.8	36.4	23.8	34.0	24.6	32.8
22	32.6	20.0	22.8	30.2	21.0	21.4	5.4	22.4	36.4	23.6	33.8	24.6	32.6
23	31.8	19.6	22.4	31.0	20.6	21.8	5.3	22.4	36.8	23.4	34.0	24.0	32.2
24	32.2	21.6	23.8	30.4	21.6	21.4	5.1	22.6	36.4	23.8	33.8	24.2	33.0
25	31.8	20.4	23.6	30.8	21.0	21.6	5.2	22.4	36.0	22.8	33.6	23.8	32.6
26	31.6	19.4	23.4	31.6	21.0	21.8	5.3	22.4	37.0	23.0	35.4	24.0	33.6
27	33.0	20.8	23.4	31.4	21.8	22.0	5.5	22.6	37.6	23.4	35.0	24.2	33.8
28	33.4	20.6	23.8	33.8	21.6	22.2	5.6	23.0	37.6	24.0	35.2	24.4	34.0
29	34.0	20.8	24.0	33.8	21.8	22.4	5.8	24.0	38.0	24.8	36.4	25.4	34.6
30	34.6	21.2	24.2	32.4	22.4	22.0	5.9	24.2	36.8	25.0	35.4	25.8	33.8
31	33.0	20.8	23.8	33.2	21.2	22.2	5.5	23.8	37.8	24.8	36.8	24.0	36.0
Mean	32.0	18.3	22.0	30.8	19.8	21.0	5.4	22.6	35.2	23.6	33.2	24.4	31.4
Weekly mean													
Std.Week No:10 (Mar 5 - Mar 11) No. of Days: 7													
Mean	30.5	17.3	20.8	29.0	18.5	20.2	5.1	22.0	32.9	23.0	31.2	23.9	29.5
Std.Week No:11 (Mar 12 - Mar 18) No. of Days: 7													
Mean	32.7	17.4	21.7	31.2	19.3	21.6	5.7	22.9	35.7	24.0	33.7	24.8	30.5
Std.Week No:12 (Mar 19 - Mar 25) No. of Days: 7													
Mean	32.6	20.1	23.1	31.1	21.1	21.6	5.4	22.7	36.4	23.7	34.0	24.4	32.4
Std.Week No:13 (Mar 26 - Apr 1) No. of Days: 7													
Mean	33.3	20.6	23.8	32.7	21.6	22.1	5.6	23.3	37.5	24.2	35.7	24.6	34.3

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : March

Year: 2022

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	0700	1400	0700	0700	1400	0700	0700	1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	14.9	11.0	87	33	7.3	90	90	10.3	0	0	0	6.0
2	14.3	9.8	87	32	6.5	140	140	9.8	0	0	0	5.8
3	14.2	10.5	77	33	5.0	90	90	9.0	0	0	0	6.0
4	14.4	9.2	82	29	8.2	90	90	8.8	0	0	0	5.4
5	13.6	9.8	82	32	7.9	90	90	9.0	0	0	0	5.6
6	14.3	11.2	80	37	6.2	90	90	8.6	0	0	0	5.6
7	13.9	14.2	77	56	12.4	90	90	8.0	3	2	0	5.8
8	13.5	14.8	77	52	8.0	140	140	2.4	0	0	0	3.0
9	14.0	13.9	71	46	6.7	140	140	9.0	0	0	0	4.8
10	16.1	13.6	81	41	8.1	140	140	9.7	0	0	0	5.4
11	17.8	13.3	90	40	7.4	140	140	9.8	0	0	0	5.0
12	17.7	14.0	85	41	6.4	45	45	9.5	0	0	0	6.0
13	14.4	14.3	77	45	7.2	45	45	7.7	0	0	0	5.6
14	15.2	13.7	79	39	7.4	90	90	7.9	0	0	0	5.8
15	15.8	13.9	80	42	5.5	140	140	8.3	0	0	0	6.2
16	15.1	14.3	76	45	4.1	230	90	8.5	0	0	0	5.8
17	13.6	13.9	78	39	5.0	230	140	8.0	0	0	0	5.8
18	17.0	13.7	82	38	4.3	140	140	7.0	0	0	0	7.8
19	17.6	13.7	80	38	3.2	140	140	8.7	0	2	0	7.4
20	18.2	13.3	87	38	5.2	140	140	6.8	3	3	0.6	6.0
21	17.4	13.9	85	40	4.8	140	140	2.1	0	2	0	5.6
22	17.7	14.2	85	44	4.7	230	230	5.8	4	3	0	6.0
23	17.2	14.5	85	43	2.8	230	230	3.2	0	3	0	5.4
24	18.1	14.1	82	43	4.5	230	140	6.0	4	3	0	6.6
25	17.2	14.2	79	43	4.2	140	230	0.4	3	3	0	5.8
26	17.3	14.2	80	41	3.4	230	230	1.7	0	0	0	6.2
27	18.7	14.6	87	42	3.5	230	230	4.3	0	0	0	6.4
28	18.1	13.6	82	35	3.7	230	230	8.0	0	0	0	6.6
29	18.4	14.0	82	35	3.7	230	230	7.3	0	0	0	7.2
30	19.3	14.1	85	39	5.1	230	230	8.0	0	0	0	7.6
31	17.4	14.0	79	37	4.5	45	45	6.3	0	0	0	6.2
Mean	16.2	19.4	81	40	5.7	7.1	0.5	0.7	0.6	5.9
Weekly mean												
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7												
Mean	14.7	13.0	80	44	8.1	8.1	0.4	0.3	0.0	5.0
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7												
Mean	15.5	14.0	80	41	5.7	8.1	0.0	0.0	0.0	6.1
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7												
Mean	17.6	14.0	83	41	4.2	4.7	2.0	2.7	0.1	6.1
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7												
Mean	18.2	14.0	83	38	4.0	5.9	0.0	0.0	0.0	6.7

Note: Rainfall is in total