

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: 2020

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	19.0	19.4	29.6	18.8	20.8	4.4	22.8	34.4	23.6	33.0	24.8	31.8
2	31.2	18.4	20.4	28.0	19.6	20.8	4.0	22.8	32.8	23.8	31.8	24.6	30.0
3	28.6	18.4	20.0	30.0	18.8	20.8	3.4	22.4	31.8	23.6	30.0	24.4	29.0
4	31.6	20.4	21.4	29.0	20.2	20.6	3.8	21.4	32.4	22.4	31.6	23.8	30.2
5	31.2	19.6	21.2	29.6	19.8	20.4	3.7	22.8	31.6	23.0	30.0	24.2	28.8
6	32.0	20.4	21.0	29.8	20.0	20.8	4.1	21.8	31.8	22.4	31.0	23.6	28.8
7	31.6	19.6	20.8	29.6	20.0	21.0	3.8	21.8	31.0	22.4	30.0	23.4	28.6
8	31.4	19.8	21.2	30.0	20.8	20.8	3.6	21.2	32.4	22.0	31.8	23.2	30.0
9	31.8	19.8	21.8	30.0	20.2	20.2	4.1	21.6	32.4	22.4	31.8	23.8	30.0
10	32.0	20.4	22.0	31.0	20.8	20.8	4.0	22.0	32.8	23.6	31.6	24.8	30.0
11	33.0	20.0	22.4	31.2	20.2	20.2	4.2	22.0	32.6	23.6	31.8	24.4	30.0
12	32.0	19.4	22.0	31.8	20.6	20.6	4.0	22.2	34.8	23.6	33.0	23.8	30.2
13	33.2	19.0	22.6	30.4	20.2	20.2	4.1	22.4	36.8	23.8	34.8	24.8	30.8
14	32.0	17.8	22.6	31.8	20.8	20.8	4.0	22.8	37.0	23.8	35.0	24.6	33.4
15	32.8	19.8	22.6	29.8	20.8	21.6	4.3	22.8	37.0	23.6	35.0	24.8	33.6
16	32.8	19.8	22.4	31.8	21.0	21.8	4.5	22.6	37.8	23.8	35.8	25.0	33.4
17	33.0	19.2	22.6	31.6	20.6	21.6	4.5	23.4	37.6	24.6	35.6	25.8	33.6
18	32.6	18.0	22.8	31.8	21.0	21.8	4.5	23.0	38.0	24.4	36.0	25.6	33.8
19	33.8	19.4	23.0	32.0	21.2	21.8	4.4	23.2	37.8	23.8	36.0	25.0	34.0
20	34.0	21.0	23.2	31.8	21.6	21.4	4.4	23.8	37.8	24.4	36.6	26.0	34.8
21	32.4	17.4	22.4	31.2	21.0	21.6	3.3	23.0	37.0	23.8	36.0	24.4	34.0
22	33.0	20.4	22.4	31.0	20.8	21.2	4.3	22.4	36.8	23.8	35.8	24.8	34.0
23	32.6	20.8	22.8	31.6	20.6	21.2	4.2	22.0	36.0	23.6	33.8	24.0	31.6
24	32.6	18.8	22.0	32.0	20.8	21.4	3.8	22.0	35.8	23.6	33.4	24.0	32.0
25	33.2	19.8	22.0	31.8	20.8	21.8	4.3	22.8	37.8	23.8	35.0	24.6	32.8
26	32.0	19.0	21.8	32.0	20.2	21.6	4.1	22.4	36.8	23.6	35.4	24.8	33.0
27	33.4	19.0	22.8	31.8	21.2	21.6	4.7	22.4	36.8	24.0	34.8	25.4	33.4
28	32.8	18.4	22.6	32.0	21.0	21.8	4.4	22.6	37.0	23.8	35.6	24.8	34.0
29	33.6	18.0	21.8	32.4	19.0	21.5	4.3	22.8	38.0	23.4	36.6	29.8	35.0
30	34.0	17.8	22.4	32.2	21.0	22.0	4.3	23.4	38.6	24.0	36.0	25.4	33.8
31	34.4	18.8	22.6	32.0	21.4	21.8	4.7	23.6	38.8	35.0	36.0	27.0	33.4
Mean	32.5	19.3	22.0	31.0	20.5	21.2	4.1	22.5	35.5	23.9	33.9	24.8	32.0
Weekly mean													
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7													
Mean	31.9	19.9	21.5	30.2	20.3	20.6	3.9	21.9	32.1	22.8	31.1	23.9	29.5
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7													
Mean	32.6	19.0	22.5	31.3	20.7	21.2	4.3	22.7	37.0	23.9	35.0	24.9	32.7
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7													
Mean	33.1	19.7	22.5	31.6	21.0	21.5	4.1	22.7	37.0	23.8	35.2	24.7	33.3
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7													
Mean	33.4	18.5	22.3	32.1	20.6	21.7	4.4	22.9	37.7	25.6	35.7	26.2	33.8

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : March

Year: 2020

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	0830	0830
	0700	1400	0700	1400	0700	0700	1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT	IST	IST
1	15.9	13.5	94	44	8.8	140	90	9.0	3.0	0.0	0.0	6.6
2	16.7	14.4	93	51	8.0	90	90	9.0	0.0	0.0	0.0	6.6
3	15.6	13.3	89	42	2.9	140	140	9.0	2.0	3.0	0.0	5.8
4	17.1	13.5	89	45	3.7	140	45	9.0	6.0	2.0	0.0	6.0
5	16.5	12.9	88	41	4.4	45	140	8.2	2.0	2.0	0.0	5.8
6	17.0	13.4	91	43	6.3	225	225	8.7	4.0	2.0	0.0	6.0
7	17.1	13.9	93	45	4.8	270	225	8.4	6.0	2.0	0.0	6.2
8	18.2	13.3	96	42	5.9	225	225	5.2	2.0	2.0	0.0	5.6
9	16.9	12.3	86	39	7.2	225	140	8.6	2.0	2.0	0.0	6.0
10	17.8	12.8	90	38	6.6	140	270	7.0	2.0	0.0	0.0	6.2
11	16.5	11.7	81	34	6.2	270	270	8.4	0.0	0.0	0.0	6.0
12	17.4	12.0	88	34	5.8	270	270	8.8	0.0	0.0	0.0	6.2
13	16.4	12.1	80	37	5.9	320	320	9.2	0.0	0.0	0.0	6.2
14	17.4	12.3	85	35	6.5	320	225	9.5	0.0	0.0	0.0	6.8
15	17.4	14.8	85	47	7.3	225	225	9.7	0.0	0.0	0.0	7.0
16	17.9	14.0	88	40	8.9	225	225	9.4	0.0	0.0	0.0	7.4
17	17.1	13.8	83	40	9.6	90	225	9.5	0.0	0.0	0.0	7.8
18	17.7	14.0	85	40	10.9	225	225	9.8	0.0	0.0	0.0	8.0
19	17.9	13.9	85	39	7.0	225	225	9.8	0.0	2.0	0.0	7.8
20	18.5	13.3	87	38	6.0	225	225	9.2	2.0	2.0	0.0	7.6
21	17.9	14.0	88	41	4.6	225	225	3.2	0.0	0.0	24.2	7.8
22	17.5	13.4	86	40	5.4	225	225	9.5	2.0	2.0	0.0	6.8
23	17.0	13.1	82	38	5.2	225	225	9.1	2.0	0.0	0.0	6.4
24	17.8	13.2	90	37	4.6	225	225	6.4	2.0	0.0	0.0	6.4
25	17.8	14.0	90	40	5.9	45	45	8.8	0.0	0.0	0.0	6.6
26	16.9	13.6	86	38	5.4	45	45	8.8	0.0	0.0	0.0	6.8
27	18.0	13.7	86	39	9.4	140	225	9.7	0.0	0.0	0.0	8.0
28	17.8	13.9	86	39	5.9	225	320	10.9	0.0	0.0	0.0	8.4
29	14.9	13.2	76	36	4.9	45	45	11.1	0.0	0.0	0.0	8.4
30	17.9	14.2	88	39	5.4	45	45	10.0	0.0	0.0	0.0	8.6
31	18.4	13.9	90	39	7.9	45	45	10.0	0.0	0.0	0.0	7.6
Mean	17.2	13.4	87	40	6.4	..	..	8.8	1.2	0.7	24.2	6.9
Weekly mean												
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7												
Mean	17.1	12.9	89	40	5.9	...	...	7.8	2.6	1.4	0.0	6.0
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7												
Mean	17.3	13.3	85	39	7.8	...	...	9.4	0.0	0.0	0.0	7.1
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7												
Mean	17.8	13.6	87	39	5.5	...	...	8.0	1.1	0.9	3.5	7.1
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7												
Mean	17.3	13.7	85	38	6.5	...	..	10.1	0.0	0.0	0.0	8.0

Note: Rainfall is in total