

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: 2024

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	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	32.0	19.4	24.0	31.4	20.6	19.8	5.1	23.2	33.2	24.0	32.0	24.2	31.0
2	31.8	19.2	23.4	30.0	19.8	19.8	5.1	23.0	34.0	23.8	33.0	24.0	32.2
3	32.0	19.6	23.4	30.0	20.2	20.6	5.1	24.0	34.2	24.2	33.2	25.0	32.4
4	31.8	18.0	23.0	30.6	20.2	20.4	5.3	23.4	35.6	24.0	34.2	24.2	33.0
5	31.0	18.2	23.8	31.0	19.0	20.2	5.1	24.0	36.0	24.2	35.0	24.8	34.2
6	32.4	19.8	23.0	33.0	20.0	22.2	5.2	24.0	36.2	24.2	35.0	25.0	34.8
7	33.2	20.0	23.0	32.0	19.8	20.2	5.4	24.0	35.0	24.6	34.8	25.2	34.0
8	34.2	18.8	22.6	31.2	18.8	21.2	5.8	25.2	36.0	26.0	35.2	26.8	35.0
9	33.0	19.8	23.4	31.6	20.2	21.4	5.4	25.0	35.2	26.2	34.0	26.4	33.8
10	32.2	19.0	24.0	31.2	20.4	20.8	5.3	24.0	36.0	25.2	35.2	26.0	35.0
11	34.2	21.2	25.0	32.0	21.4	20.4	5.6	25.2	35.0	25.8	34.2	26.0	34.0
12	34.6	21.6	24.4	32.4	20.4	21.0	5.6	25.2	35.2	26.0	34.8	26.2	34.0
13	35.0	21.4	24.0	32.6	21.0	21.8	5.8	25.0	36.0	25.8	35.0	26.0	34.8
14	34.8	21.0	24.2	32.0	21.0	21.2	5.8	24.0	36.2	25.2	35.6	26.2	35.0
15	34.2	21.8	24.0	33.0	21.4	21.4	5.5	23.0	36.0	24.2	35.6	25.0	35.0
16	35.0	21.6	24.2	32.0	21.4	21.0	5.8	23.2	36.2	24.6	35.0	25.0	34.8
17	34.0	21.2	24.2	30.0	21.2	21.0	5.6	23.4	36.6	24.0	35.2	24.2	35.0
18	34.6	21.0	23.8	33.0	21.4	21.0	5.8	24.0	36.0	24.2	35.2	24.6	34.6
19	34.4	20.8	23.4	32.0	20.0	20.6	5.8	24.2	36.2	25.0	35.0	25.2	34.0
20	35.2	20.6	23.2	33.2	20.2	21.8	6.0	23.2	36.0	24.8	35.6	25.0	35.0
21	34.0	20.4	23.2	31.4	20.8	20.6	5.7	24.2	35.4	25.2	34.8	26.0	33.6
22	35.0	20.2	23.4	31.0	20.4	20.4	6.1	23.2	35.2	24.6	34.0	25.2	33.8
23	34.8	20.0	23.0	31.0	19.8	20.4	6.0	23.0	35.0	24.2	34.0	24.8	33.8
24	35.2	21.0	23.0	32.0	20.2	20.6	6.0	23.2	35.2	24.0	34.8	24.2	34.0
25	35.0	20.0	23.4	33.4	20.2	22.6	6.1	23.2	36.2	24.0	36.0	24.8	35.0
26	35.4	21.2	23.4	33.4	21.2	21.2	6.1	23.0	36.8	23.8	36.2	24.2	35.4
27	35.2	20.4	23.0	33.6	20.0	22.8	6.1	24.0	36.2	24.2	36.0	25.0	35.0
28	34.8	20.0	23.2	33.0	20.8	22.2	6.1	23.2	36.8	24.0	36.2	24.2	35.0
29	35.0	20.8	23.0	32.0	19.8	21.8	6.1	23.2	36.2	24.0	36.0	24.2	35.0
30	35.8	20.0	23.2	32.0	20.2	20.6	6.4	23.4	36.4	24.0	35.0	24.4	34.2
31	35.4	20.2	23.0	32.0	20.2	21.0	6.3	23.0	36.6	24.2	35.0	24.8	34.0
Mean	34.0	20.3	23.5	31.9	20.4	21.0	5.7	23.8	35.7	24.6	34.9	25.1	34.2
Weekly mean													
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7													
Mean	32.9	19.5	23.5	31.7	19.9	20.9	5.4	24.5	35.6	25.2	34.8	25.7	34.4
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7													
Mean	34.6	21.4	24.1	32.1	21.1	21.2	5.7	24.0	36.0	24.9	35.2	25.3	34.7
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7													
Mean	34.8	20.4	23.2	32.0	20.2	21.0	6.0	23.5	35.6	24.5	34.9	25.0	34.2
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7													
Mean	35.3	20.4	23.1	32.7	20.4	21.6	6.2	23.3	36.5	24.0	35.7	24.5	34.8

PART II

Time of Observation:

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month : March

Year: 2024

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	16.3	10.9	73	32	9.2	90	90	10.7	0	0	0	6.2			
2	15.3	11.7	71	37	9.6	90	45	9.1	0	0	0	6.0			
3	16.0	13.0	74	41	9.8	90	45	8.6	0	0	0	6.2			
4	16.2	12.3	77	37	9.6	90	140	8.2	0	0	0	6.0			
5	13.8	11.8	63	35	9.4	140	180	9.0	0	0	0	6.6			
6	15.9	14.1	75	37	5.3	180	180	9.4	0	0	0	6.4			
7	15.6	11.2	74	31	4.1	180	45	8.4	0	0	0	6.8			
8	14.2	13.3	69	39	3.5	180	140	8.2	0	0	0	7.0			
9	16.0	13.5	74	39	4.2	180	45	8.7	0	0	0	6.2			
10	16.0	12.7	71	37	4.0	180	180	9.1	0	0	0	6.6			
11	17.1	11.6	72	32	3.0	180	140	9.2	0	0	0	6.8			
12	15.8	12.3	69	34	5.2	180	45	7.2	0	0	0	6.0			
13	17.0	13.6	76	37	6.4	180	45	8.4	0	0	0	5.8			
14	16.9	12.9	75	36	7.2	230	45	8.0	0	0	0	5.6			
15	17.7	12.7	79	34	7.6	45	140	7.8	0	0	0	6.4			
16	17.6	12.6	78	35	7.0	180	140	7.2	0	0	0	6.6			
17	17.2	13.7	76	43	7.2	180	140	9.0	0	0	0	6.0			
18	17.8	12.0	80	32	6.8	180	90	7.8	0	0	0	6.2			
19	15.7	11.9	73	33	6.6	180	315	6.9	0	0	0	6.4			
20	16.1	13.3	75	35	4.8	140	90	8.8	0	0	0	5.8			
21	17.1	12.2	80	35	8.9	45	140	8.5	0	0	0	6.2			
22	16.3	12.1	76	36	7.4	140	140	8.8	0	0	0	5.6			
23	15.6	12.1	74	36	5.8	140	140	8.0	0	0	0	6.4			
24	16.2	11.9	77	33	5.2	140	140	9.0	0	0	0	5.2			
25	16.0	14.6	74	38	5.0	140	140	8.2	0	0	0	6.0			
26	17.7	12.1	82	31	8.2	140	45	9.7	0	0	0	6.8			
27	15.9	14.8	75	38	8.1	140	140	9.1	0	0	0	6.4			
28	17.1	14.1	80	37	6.4	140	45	9.6	0	0	0	6.2			
29	15.6	13.9	74	39	6.2	140	45	9.4	0	0	0	7.2			
30	16.1	11.9	75	33	5.6	140	45	8.6	0	0	0	5.8			
31	16.2	12.6	77	35	5.2	140	45	9.2	0	0	0	6.0			
Mean	16.2	12.7	75	36	6.5	8.6	0.0	0.0	0.0	6.2			
Weekly mean															
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7															
Mean	15.5	12.6	71	36	4.8	8.9	0.0	0.0	0.0	6.6			
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7															
Mean	17.1	12.8	76	36	6.8	7.9	0.0	0.0	0.0	6.1			
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7															
Mean	16.1	12.6	76	35	6.2	8.3	0.0	0.0	0.0	5.9			
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7															
Mean	16.4	13.2	77	36	6.6	9.3	0.0	0.0	0.0	6.4			

Note: Rainfall is in total