

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: February
Year : 2023

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10Cm	10Cm	20Cm	20Cm
	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	28.0	18.0	20.0	27.0	17.6	19.8	3.9	22.0	30.0	23.0	28.6	23.6	27.8
2	27.2	16.8	19.8	26.4	17.2	19.4	3.9	22.2	29.6	23.4	28.4	23.8	27.8
3	26.8	14.8	19.8	26.0	17.0	19.2	4.0	22.0	28.8	23.0	27.8	23.4	27.6
4	26.2	17.0	20.2	28.2	17.8	20.0	3.6	22.0	30.4	23.0	28.6	23.4	28.0
5	29.2	19.8	18.8	28.8	16.4	20.2	3.9	22.0	31.4	22.8	30.0	23.2	28.8
6	30.4	17.0	20.6	27.8	18.6	19.8	4.6	22.4	30.0	23.0	28.8	23.6	28.2
7	29.0	15.0	20.8	28.0	18.0	20.0	4.6	21.8	31.4	22.0	29.6	23.0	28.4
8	29.4	15.6	18.8	29.4	17.0	20.2	4.6	21.4	31.6	21.8	30.0	22.8	28.8
9	30.2	15.0	21.0	29.0	18.0	20.0	4.8	21.8	31.8	22.4	29.8	23.0	29.0
10	30.0	14.4	19.6	30.0	17.0	20.4	4.9	21.6	30.8	22.6	28.8	23.2	28.0
11	32.0	13.0	21.6	29.6	19.4	20.6	5.4	21.4	30.6	22.4	29.0	23.6	28.6
12	30.2	17.2	20.0	30.0	17.8	21.0	4.7	21.8	31.8	22.8	30.0	23.6	28.8
13	31.6	15.6	21.0	30.0	17.8	19.6	5.2	21.6	31.4	22.6	29.6	23.4	28.8
14	31.4	14.0	19.6	29.8	16.8	19.4	5.3	21.4	31.6	22.4	29.8	23.6	29.0
15	30.2	12.6	19.8	30.0	16.8	19.6	5.2	21.0	31.8	22.0	29.6	23.0	29.2
16	30.2	15.0	18.8	29.8	15.0	19.8	5.0	21.6	32.0	22.0	30.0	23.2	28.8
17	30.4	16.0	21.2	30.0	18.4	19.0	4.9	22.0	32.2	22.4	30.4	23.6	28.8
18	30.8	16.6	19.8	29.4	17.4	19.6	5.0	21.8	32.6	22.8	30.8	23.4	29.0
19	30.6	16.2	19.6	28.8	17.2	19.4	5.0	21.6	31.8	22.8	29.6	23.4	28.8
20	30.0	16.2	19.8	28.4	16.6	20.4	4.9	21.8	30.0	22.2	30.0	23.0	28.8
21	29.6	16.0	20.8	29.6	17.6	20.0	4.8	22.4	33.0	23.4	31.8	23.8	30.0
22	30.2	16.4	21.0	29.4	17.4	20.2	4.9	22.4	33.2	23.6	31.0	23.8	30.2
23	30.0	15.2	20.0	29.2	16.2	20.2	5.0	21.4	34.0	22.6	32.6	23.2	30.0
24	30.6	15.0	20.0	30.0	16.6	20.0	5.2	21.8	32.0	22.0	30.8	23.4	29.6
25	30.8	13.4	19.0	30.2	16.6	20.2	5.4	21.4	31.8	22.0	30.0	23.0	29.4
26	31.4	15.0	18.8	29.0	16.4	20.2	5.4	21.6	32.4	22.2	31.0	23.2	29.8
27	30.0	14.8	19.8	28.8	17.0	18.8	5.1	21.6	32.6	22.4	31.8	23.4	30.0
28	29.0	15.4	19.6	28.8	17.0	20.0	4.8	21.4	32.0	22.0	30.0	23.0	29.4
Mean	29.8	15.6	20.0	29.0	17.2	19.9	4.8	21.8	31.5	22.6	29.9	23.3	28.9
Std. Week No: 6 (Feb 5 - Feb 11) No. of Days: 7													
Mean	30.0	15.7	20.2	28.9	17.8	20.2	4.7	21.8	31.1	22.4	29.4	23.2	28.5
Std. Week No: 7 (Feb12 - Feb 18) No. of Days: 7													
Mean	30.7	15.3	20.0	29.9	17.1	19.7	5.0	21.6	31.9	22.4	30.0	23.4	28.9
Std. Week No: 8 (Feb 19 - Feb 25) No. of Days: 7													
Mean	30.3	15.5	20.0	29.4	16.9	20.1	5.0	21.8	32.3	22.7	30.8	23.4	29.5

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : February

Year : 2023

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	13.8	13.7	79	50	6.6	45	45	6.5	0	2	0	5.0
2	13.3	14.3	77	50	9.1	45	45	5.8	2	0	0	5.4
3	13.0	13.7	75	51	9.1	45	90	4.8	0	0	0	5.0
4	14.0	14.5	79	45	7.7	90	90	3.7	0	0	0	4.8
5	12.7	13.9	78	44	5.3	90	90	9.6	0	0	0	5.0
6	15.0	13.4	82	46	5.7	90	90	10.3	0	2	0	5.4
7	13.9	13.8	76	46	3.2	140	270	7.3	0	2	0	5.0
8	13.5	14.1	83	41	3.3	90	90	9.1	0	3	0	4.8
9	13.8	14.3	74	42	3.3	90	90	9.1	0	2	0	5.4
10	13.1	13.8	77	40	5.1	90	90	9.2	0	0	0	5.6
11	15.7	14.2	81	42	5.4	45	45	9.0	0	0	0	6.2
12	14.1	14.8	80	43	3.9	45	45	8.4	0	0	0	6.0
13	13.5	14.0	72	36	5.3	45	45	10.3	0	2	0	6.4
14	12.8	13.4	75	35	5.1	90	90	10.6	0	0	0	6.6
15	12.7	14.2	73	36	3.9	45	90	9.7	0	0	0	6.6
16	10.7	14.1	66	37	4.7	90	45	10.7	0	0	0	7.2
17	14.3	13.7	76	33	5.5	45	45	9.8	0	0	0	7.6
18	13.6	14.1	78	38	4.5	45	45	9.0	0	0	0	7.2
19	13.4	13.4	78	39	4.5	45	45	9.8	0	0	0	7.8
20	12.4	14.1	72	47	4.1	90	90	9.9	0	0	0	7.4
21	13.3	13.5	72	39	3.3	90	90	10.5	0	0	0	7.4
22	12.9	14.1	69	41	4.2	90	90	10.4	0	0	0	8.2
23	11.7	14.1	67	42	5.2	90	90	9.6	0	0	0	8.0
24	12.3	15.0	70	38	3.6	90	90	10.2	0	0	0	8.4
25	12.8	12.8	78	38	3.4	90	90	9.7	0	0	0	8.0
26	12.7	14.6	78	43	5.6	90	90	9.8	0	0	0	8.2
27	13.0	12.6	75	36	6.4	140	90	10.3	0	0	0	7.8
28	13.1	13.8	77	43	5.6	90	90	10.5	0	0	0	8.2
Mean	13.3	13.9	76	42	5.1	9.1	0	0	0.0	6.6
Std. Week No: 6 (Feb 5 - Feb 11) No. of Days: 7												
Mean	14.0	12.9	79	43	4.5			9.1	0.0	1.3	0.0	5.3
Std. Week No: 7 (Feb12 - Feb 18) No. of Days: 7												
Mean	13.1	11.6	74	37	4.7			9.8	0.0	0.3	0.0	6.8
Std. Week No: 8 (Feb 19 - Feb 25) No. of Days: 7												
Mean	12.7	12.4	72	41	4.0			10.0	0.0	0.0	0.0	7.9