

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: April

Year: 2025

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	10cm	10cm	20cm	20cm
	0700	1400	0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT	LMT	LMT	LMT	LMT
1	34.0	20.6	22.2	30.4	19.8	20.2	5.8	23.0	37.6	26.2	35.0	28.2	32.0
2	33.0	20.4	24.0	29.8	21.8	21.2	5.6	22.4	36.8	23.4	33.6	26.0	31.0
3	32.2	20.0	23.0	23.0	21.0	21.4	5.4	21.0	31.0	23.4	29.6	25.0	28.4
4	29.0	20.8	22.8	31.2	21.8	21.0	4.3	20.0	34.4	22.4	32.0	24.2	31.4
5	31.2	20.4	23.0	32.2	21.0	22.0	5.1	23.0	38.2	25.2	36.0	27.0	32.0
6	32.4	20.2	23.8	32.0	21.6	21.0	5.5	21.2	37.2	24.2	34.0	26.0	30.0
7	33.0	20.4	23.0	33.6	21.6	22.6	5.6	22.4	40.2	25.0	37.0	27.0	34.6
8	34.0	20.0	23.8	33.4	22.6	22.0	6.0	22.0	40.6	24.2	37.2	26.0	34.0
9	34.4	19.6	23.0	32.2	20.4	20.0	6.1	25.0	40.0	28.0	37.4	30.0	34.2
10	33.8	20.0	23.0	32.8	20.0	22.0	5.9	25.0	40.2	27.0	36.0	29.4	31.0
11	33.4	20.4	23.0	32.0	21.0	22.8	5.7	24.0	38.8	27.2	36.0	29.0	34.0
12	33.0	20.8	22.0	32.2	20.6	21.8	5.6	23.0	36.2	25.2	32.0	27.0	30.0
13	33.4	20.6	22.8	32.8	20.6	21.8	5.7	22.0	38.2	24.0	34.2	26.2	31.0
14	34.0	19.8	24.8	31.6	21.6	21.4	6.0	24.0	36.2	26.2	33.0	27.0	31.0
15	32.8	20.6	22.2	32.6	21.0	22.0	5.6	24.0	37.6	25.0	34.8	26.0	32.0
16	33.6	21.6	23.0	32.8	21.6	23.2	5.6	25.0	38.8	26.4	37.2	27.2	34.4
17	33.4	19.6	23.0	31.2	21.2	22.2	5.9	25.0	35.6	26.0	34.0	27.8	33.2
18	32.8	21.6	23.8	30.2	22.0	21.0	5.4	25.2	35.0	26.4	33.8	29.0	31.8
19	32.2	21.0	23.2	32.2	21.6	22.0	5.3	23.0	38.0	24.0	25.2	26.8	31.0
20	33.4	21.4	24.2	32.2	22.0	21.6	5.6	24.2	38.0	26.2	34.0	27.0	31.2
21	32.4	19.6	23.0	32.0	21.8	22.4	5.6	20.0	36.4	23.2	34.8	24.0	32.0
22	33.0	19.0	23.2	33.2	21.4	22.8	5.9	21.2	40.2	23.0	37.6	25.2	34.0
23	34.2	21.2	24.0	34.0	21.8	22.6	5.9	23.0	41.0	25.2	38.6	27.0	35.0
24	34.8	22.2	24.2	34.0	22.8	22.2	5.9	23.2	41.2	26.2	38.6	27.0	35.2
25	35.0	22.8	24.0	33.0	22.4	23.4	5.9	24.2	40.4	26.2	37.0	28.0	34.8
26	35.2	23.0	25.2	33.0	23.8	23.0	5.9	23.2	41.2	25.2	38.2	27.2	35.0
27	34.0	21.6	25.0	34.0	22.4	22.0	5.8	27.0	40.2	29.2	37.0	31.0	35.2
28	34.2	20.8	24.0	33.0	22.6	23.2	6.0	26.0	41.0	28.2	38.4	30.0	35.0
29	34.4	21.6	25.0	33.0	22.0	22.6	5.9	24.2	40.0	26.2	37.4	28.0	34.8
30	34.6	21.4	25.0	32.0	22.6	21.6	6.0	25.2	39.0	28.0	36.2	29.0	30.0
Mean	33.4	20.8	23.5	32.1	21.6	22.0	5.7	23.4	38.3	25.5	35.2	27.3	32.6
Weekly mean													
Std. Week No:14 (April 2 - April 8) No. of Days: 7													
Mean	32.1	20.3	23.3	30.7	21.6	21.6	5.3	21.7	36.9	24.0	34.2	25.9	31.6
Std. Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	33.5	20.3	23.0	32.3	20.7	21.7	5.8	23.9	38.2	26.1	34.8	27.8	31.9
Std. Week No:16 (April 16 - April 22) No. of Days: 7													
Mean	33.0	20.5	23.3	32.0	21.7	22.2	5.6	23.4	37.4	25.0	33.8	26.7	32.5
Std. Week No:17 (April 23 - April 29) No. of Days: 7													
Mean	34.5	21.9	24.5	33.4	22.5	22.7	5.9	24.4	40.7	26.6	37.9	28.3	35.0
Std. Week No:18 (April 30 - May 6) No. of Days: 7													
Mean	32.7	20.9	22.5	31.0	20.6	20.9	5.3	21.7	38.6	22.5	37.2	23.3	35.7

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: April

Year : 2025

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)	
	Vap. Pr. (mm) 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	16.0	12.1	80	37	3.1	140	45	8.0	0	0	0.0	8.2	
2	18.4	14.1	82	45	5.0	180	180	7.2	0	0	0.0	7.4	
3	17.5	18.2	83	87	4.6	90	140	5.2	0	8	0.0	7.2	
4	19.0	13.0	91	38	2.8	90	140	1.1	6	4	0.2	2.2	
5	17.5	14.2	83	39	6.0	90	140	6.4	4	4	0.0	6.8	
6	18.1	12.6	82	35	4.4	90	140	9.4	2	0	0.0	7.2	
7	18.6	14.5	88	37	4.2	90	90	6.8	4	4	0.0	5.4	
8	19.9	13.5	90	35	5.3	90	90	9.0	0	0	0.0	7.2	
9	16.5	10.8	78	30	6.0	320	45	9.6	0	0	0.0	7.6	
10	15.9	13.8	75	37	6.1	320	45	8.5	0	0	0.0	8.4	
11	17.5	15.7	83	44	5.5	90	140	6.4	0	0	0.0	7.0	
12	17.4	13.8	88	38	4.6	90	140	5.5	0	0	0.6	7.2	
13	17.0	13.5	82	36	4.8	45	45	7.6	0	0	0.0	6.2	
14	17.6	13.5	75	39	4.7	180	45	8.8	0	2	0.0	7.8	
15	18.0	13.9	90	38	0.5	180	45	8.2	0	0	9.0	6.0	
16	18.6	16.0	88	43	3.5	180	180	8.7	0	0	0.6	6.6	
17	17.9	15.1	85	44	4.2	230	45	9.0	0	0	6.6	6.0	
18	18.8	13.6	85	42	2.8	320	140	8.4	0	0	0.4	5.8	
19	18.5	14.2	87	39	3.9	270	45	6.0	0	0	0.0	6.2	
20	18.6	13.5	82	37	3.3	180	45	7.8	0	0	0.0	8.2	
21	18.9	15.0	90	42	4.1	90	90	7.0	0	0	8.2	5.2	
22	18.1	15.0	85	39	2.8	180	90	9.9	0	0	0.0	6.8	
23	18.4	14.2	82	36	3.9	270	90	10.4	0	0	0.0	8.2	
24	20.0	13.5	88	34	4.0	270	90	10.5	0	0	0.0	8.6	
25	19.4	16.2	87	43	3.7	270	45	9.3	0	0	0.0	9.2	
26	21.3	15.5	89	41	2.8	270	180	8.6	0	0	0.0	7.8	
27	18.9	13.2	79	33	3.3	90	180	7.6	0	0	0.0	7.6	
28	19.8	15.9	88	42	3.4	180	90	9.2	0	0	1.0	7.8	
29	18.2	14.8	76	39	3.5	180	90	8.8	0	0	0.0	7.6	
30	19.2	13.6	81	38	3.1	180	270	7.1	0	0	0.0	7.6	
Mean	18.3	14.2	84	40	4.0	..	..	7.9	1	1	26.6	7.0	
Weekly mean													
Std. Week No:14 (April 2 - April 8) No. of Days: 7													
Mean	18.4	14.3	86	45	4.6	..	..	6.4	2.3	2.9	0.2	6.0	
Std. Week No:15 (April 9 - April 15) No. of Days: 7													
Mean	17.1	13.6	82	37	4.6	..	..	8.0	0	0	0.6	7.4	
Std. Week No:16 (April 16 - April 22) No. of Days: 7													
Mean	18.5	14.6	86	41	3.5	..	..	8.1	0	0	15.8	6.4	
Std. Week No:17 (April 23 - April 29) No. of Days: 7													
Mean	19.4	14.8	84	38	3.5	..	..	9.2	0	0	1.0	8.1	
Std. Week No:18 (April 30 - May 6) No. of Days: 7													
Mean	16.5	14.2	82	31	5.0	..	..	8.2	3	1	25.8	4.4	

Note: Rainfall is in total