

AICRP on Agrometeorology
University of Agricultural Sciences, GKVK, Bangalore-560 065
Meteorological Observation at GKVK, Bangalore

PART- I

District : Bengaluru

Lat : 13° 05' N

Month : August

State : Karnataka

Long : 77° 34' E

Year : 2025

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10 cm	10 cm	20 cm	20 cm
			0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
			LMT	LMT	LMT	LMT		LMT	LMT	LMT	LMT	LMT	LMT
1	28.0	18.2	20.6	28.0	19.0	23.0	4.6	20.0	30.6	22.4	29.0	23.4	27.0
2	29.2	18.6	22.2	28.0	21.2	23.2	4.8	21.2	32.6	23.0	30.0	24.2	27.8
3	30.0	21.0	23.0	27.6	21.0	23.0	4.6	25.0	34.0	25.5	32.0	27.0	30.0
4	29.6	19.4	21.4	28.4	20.2	23.0	4.8	22.4	32.0	23.8	30.0	25.0	28.0
5	29.0	19.8	21.0	27.6	20.2	22.0	4.6	20.0	30.0	22.2	29.0	23.6	27.6
6	29.2	19.0	23.2	26.0	22.2	21.0	4.8	20.2	29.0	23.0	26.0	24.0	25.2
7	28.2	18.8	21.0	26.6	20.8	23.2	4.5	20.0	29.0	21.2	28.0	22.2	26.0
8	29.8	19.8	22.0	27.8	20.8	23.4	4.8	21.2	30.2	23.0	29.0	25.2	27.0
9	28.8	19.0	22.8	26.8	21.8	22.8	4.7	20.0	29.2	22.4	26.0	23.4	25.2
10	29.0	19.2	21.0	23.8	20.4	21.6	4.7	21.2	26.0	22.0	25.2	23.0	24.0
11	27.2	19.2	21.2	25.0	20.0	23.2	4.1	22.4	27.2	23.2	26.0	24.0	25.0
12	27.8	18.8	21.2	24.8	20.8	22.4	4.4	22.4	26.0	23.2	25.2	24.0	24.4
13	26.2	18.0	20.0	23.2	19.0	21.2	4.1	20.2	25.0	22.4	24.4	24.0	24.0
14	26.0	18.0	21.0	26.2	20.2	22.0	4.0	20.0	26.8	21.2	25.2	23.2	25.0
15	26.4	18.6	20.0	27.0	19.4	23.4	4.0	20.4	27.0	22.2	25.0	23.0	24.8
16	27.2	18.6	21.0	23.8	19.8	21.8	4.2	22.4	25.0	23.6	24.0	24.0	23.2
17	26.6	18.8	21.4	25.2	20.0	22.4	4.0	22.0	25.6	23.0	25.0	24.0	24.0
18	24.6	19.0	20.4	24.4	19.6	21.6	3.3	21.0	25.0	22.4	24.4	23.6	23.2
19	26.0	18.2	22.0	24.2	21.4	20.6	4.0	20.0	25.2	22.2	24.2	23.4	23.0
20	26.2	18.8	21.0	25.0	20.6	21.2	3.9	21.2	26.2	22.4	25.4	24.2	24.4
21	27.0	18.6	23.0	26.2	22.0	22.0	4.2	20.0	27.0	22.4	26.2	24.0	25.0
22	28.0	19.2	23.2	28.0	22.0	22.4	4.4	22.0	28.0	23.4	27.0	24.0	26.4
23	28.4	19.8	22.0	27.2	21.4	23.0	4.4	21.2	30.2	22.4	28.2	24.0	28.0
24	28.8	19.6	22.0	28.0	21.2	23.6	4.5	20.0	30.0	21.2	28.2	22.4	27.2
25	29.2	19.8	23.8	27.0	21.8	21.6	4.6	21.2	31.2	23.2	30.0	24.2	28.6
26	28.8	19.2	23.0	27.2	21.2	21.4	4.6	21.6	31.4	23.2	30.2	24.2	29.0
27	28.8	19.8	21.0	24.0	20.0	22.0	4.5	23.0	29.0	24.0	28.0	25.2	27.6
28	27.2	19.0	21.2	24.8	19.8	22.2	4.1	22.0	30.0	23.2	29.0	24.6	28.2
29	28.0	19.0	22.0	27.0	21.2	22.4	4.4	20.2	28.0	22.2	27.4	23.2	25.0
30	27.8	19.2	23.0	28.0	22.0	23.0	4.3	21.2	31.2	23.0	30.2	24.2	28.2
31	28.8	18.8	23.0	26.8	21.8	21.0	4.6	20.0	30.2	22.4	28.2	23.0	27.0
Mean	27.9	19.1	21.8	26.2	20.7	22.3	4.4	21.1	28.6	22.7	27.3	23.9	26.1
Std. Week No: 32 (August 6- August 12) No. of Days: 7													
Mean	28.6	19.1	21.8	25.8	21.0	22.5	4.6	21.1	28.1	22.6	26.5	23.7	25.3
Std. Week No: 33 (August 13 -August 19) No. of Days: 7													
Mean	26.1	18.5	20.8	24.9	19.9	21.9	3.9	20.9	25.7	22.4	24.6	23.6	23.9
Std. Week No: 34 (August 20 - August 26) No. of Days: 7													
Mean	28.1	19.3	22.6	26.9	21.5	22.2	4.4	21.0	29.1	22.6	27.9	23.9	26.9
Std. Week No:35 (August 27 - Sept. 02) No. of Days: 7													
Mean	28.1	19.2	22.0	26.1	21.0	22.1	4.4	21.3	29.7	23.0	28.6	24.0	27.2

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : August

Year : 2025

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		
	0700	1400	0700	1400		0700	1400					
	LMT	LMT	LMT	LMT		LMT	LMT					
1	15.6	18.3	86	65	4.0	270	45	1.7	6.0	4.0	2.4	3.8
2	18.3	18.7	91	66	4.1	270	270	6.2	6.0	4.0	0.0	4.6
3	17.5	18.5	83	67	4.7	320	270	5.8	4.0	4.0	0.0	4.0
4	17.1	18.1	89	62	3.0	270	320	3.2	6.0	4.0	56.4	3.6
5	17.3	16.7	93	60	2.0	270	320	3.8	4.0	4.0	11.8	4.4
6	19.5	15.9	92	63	3.1	270	230	1.8	6.0	6.0	28.0	3.0
7	18.3	19.4	98	74	3.7	230	270	4.2	6.0	4.0	10.4	3.2
8	17.8	19.1	90	68	2.8	270	320	4.8	4.0	4.0	0.0	4.6
9	19.0	18.6	91	70	2.3	90	320	2.9	4.0	4.0	10.8	3.4
10	17.6	18.1	95	82	2.1	230	270	2.9	6.0	4.0	27.2	3.0
11	16.9	20.3	89	86	2.6	320	320	1.8	6.0	6.0	13.2	2.2
12	18.2	19.0	96	81	5.3	270	360	2.2	4.0	4.0	0.8	2.6
13	15.9	17.8	91	83	5.4	270	320	0.9	4.0	4.0	8.4	3.0
14	17.3	17.5	93	69	4.4	270	270	0.0	4.0	4.0	3.0	2.0
15	16.6	19.6	94	73	5.9	320	270	0.3	4.0	4.0	1.4	3.4
16	16.7	18.5	89	84	6.8	270	320	4.0	4.0	6.0	1.0	3.4
17	16.8	18.8	88	78	5.3	320	230	2.7	6.0	4.0	4.6	2.8
18	16.7	17.8	93	78	5.9	270	320	0.0	4.0	4.0	12.8	3.0
19	18.8	16.2	95	72	6.5	270	270	0.0	4.0	6.0	3.0	2.8
20	18.0	16.8	96	71	8.6	270	230	0.0	4.0	4.0	0.0	2.6
21	19.3	17.5	91	69	6.7	270	230	7.5	6.0	4.0	0.0	4.2
24	19.2	17.2	90	61	3.3	230	270	6.6	4.0	4.0	0.0	4.8
23	18.8	18.7	95	69	3.2	270	270	5.3	4.0	4.0	0.8	3.4
24	18.4	19.4	93	68	3.5	270	270	3.2	4.0	4.0	3.0	2.2
25	18.5	16.4	84	61	4.6	270	320	8.0	4.0	4.0	0.0	4.4
26	17.9	15.9	85	59	3.7	270	270	4.9	4.0	4.0	0.0	4.6
27	17.0	18.7	91	84	6.2	230	320	5.9	4.0	4.0	0.8	4.2
28	16.5	18.6	88	79	4.7	230	320	1.6	2.0	2.0	8.4	3.6
29	18.4	17.8	93	66	5.4	270	270	4.0	4.0	8.0	10.6	3.0
30	19.3	18.3	91	65	6.9	180	180	2.0	4.0	6.0	0.0	4.8
31	18.9	15.4	90	58	5.5	270	270	5.3	4.0	4.0	1.2	4.0
Mean	17.8	18.0	91	71	4.6	..	..	3.3	5	4	220.0	3.5
Std. Week No: 32 (August 6 - August 12) No. of Days: 7												
Mean	18.2	18.6	93	75	3.1	..	..	2.9	5.1	4.6	90.4	3.1
Std. Week No: 33 (August 13 - August 19) No. of Days: 7												
Mean	17.0	18.0	92	77	5.7	..	..	1.1	4.3	4.6	34.2	2.9
Std. Week No: 34 (August 20 - August 26) No. of Days: 7												
Mean	18.6	17.4	91	65	4.8	..	..	5.1	4.3	4.0	3.8	3.7
Std. Week No: 35 (August 27 - Sept.02) No. of Days: 7												
Mean	18.0	17.6	91	70	5.7	..	..	3.8	3.6	4.8	21.0	3.9