

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: January
Year: 2025

date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	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	28.0	18.0	24.0	25.6	21.8	18.8	4.0	20.2	28.0	21.4	27.0	22.0	26.2
2	26.2	15.0	20.0	26.0	18.0	18.0	3.8	19.0	28.2	20.6	27.4	21.0	26.6
3	27.0	15.6	20.2	25.2	18.6	17.0	3.2	21.2	28.0	22.4	27.0	24.0	26.2
4	25.8	11.8	18.0	25.8	16.2	20.2	3.2	22.0	29.0	23.8	28.2	24.0	28.0
5	26.0	14.8	15.2	25.8	14.0	20.8	3.9	21.2	28.0	22.0	27.2	23.4	27.0
6	27.0	15.0	17.8	26.2	16.2	19.6	3.9	22.4	29.0	23.4	27.4	24.0	27.0
7	26.4	13.8	15.2	26.0	14.0	18.8	3.8	21.2	28.0	22.4	27.6	23.0	27.0
8	26.8	14.2	16.2	27.0	15.0	18.4	3.8	22.0	28.2	23.2	27.2	23.7	26.8
9	27.4	14.3	16.0	25.2	14.8	17.4	3.2	21.2	28.0	22.6	27.0	23.4	26.4
10	26.6	17.0	19.2	25.0	17.6	19.6	3.2	20.4	28.0	22.0	27.0	23.2	26.2
11	26.0	18.2	18.8	24.8	16.8	19.0	3.1	21.2	27.6	22.4	27.0	24.0	26.2
12	25.2	16.4	19.6	25.2	18.0	19.2	3.5	20.0	28.0	21.2	27.2	21.8	26.0
13	26.0	16.2	20.0	25.2	18.2	20.4	3.8	21.2	28.4	22.4	27.8	23.4	27.0
14	27.0	18.0	20.0	25.6	18.8	20.4	3.9	22.2	27.0	23.4	26.0	24.4	25.2
15	27.2	17.4	19.2	23.2	17.2	18.8	4.3	21.4	28.0	22.0	26.4	22.8	26.0
16	26.0	15.8	19.2	26.0	17.8	19.4	4.2	20.0	28.0	21.2	27.4	23.4	27.0
17	27.2	14.6	18.8	25.2	17.2	18.4	4.4	20.0	28.0	21.2	27.0	22.4	26.6
18	26.0	16.0	20.2	27.0	18.0	19.6	4.2	21.2	28.8	22.4	28.0	23.0	27.0
19	27.2	16.6	18.0	21.6	17.0	20.4	4.1	21.6	24.0	22.2	23.0	23.0	22.4
20	21.8	16.4	18.4	27.2	17.2	19.4	4.9	19.2	28.0	20.4	27.0	21.0	26.2
21	28.2	14.2	19.0	25.8	17.2	20.2	4.2	21.0	29.0	22.4	28.2	23.4	28.0
22	27.8	13.8	16.0	28.0	14.2	20.0	3.7	20.2	29.0	22.4	28.6	24.0	28.0
23	28.2	16.6	19.0	28.2	18.0	20.2	4.0	20.0	29.0	21.2	28.6	23.0	28.0
24	29.0	15.4	20.2	26.4	19.0	18.4	4.8	20.2	28.0	22.0	27.0	23.4	25.2
25	29.2	13.2	15.0	28.2	14.2	21.2	4.6	21.0	30.0	21.8	29.2	22.4	28.0
26	30.0	12.4	16.2	28.8	14.8	21.2	4.6	21.0	29.6	22.2	29.0	24.0	28.2
27	30.4	12.0	16.0	28.8	14.6	20.8	5.1	20.6	31.6	22.6	28.0	23.4	26.2
28	30.2	13.0	18.2	28.2	16.8	20.8	4.7	20.2	32.0	22.4	29.0	24.0	26.0
29	29.8	15.0	18.2	28.0	16.6	20.8	4.1	21.2	31.2	23.4	29.2	24.0	26.8
30	30.8	15.0	18.6	29.2	17.2	21.6	4.8	20.2	32.4	22.4	30.0	23.4	29.8
31	30.0	15.2	20.0	29.4	18.8	21.2	4.6	21.2	34.0	23.4	30.0	24.0	27.0
Mean	27.4	15.2	18.4	26.4	16.9	19.7	4.0	20.8	28.8	22.2	27.6	23.2	26.7
Weekly mean													
Std.Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7													
Mean	26.6	14.9	18.6	25.8	17.0	19.0	3.7	21.0	28.3	22.3	27.4	23.1	26.9
Std.Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7													
Mean	26.4	16.3	18.5	25.4	17.0	19.2	3.5	21.2	27.9	22.5	27.0	23.4	26.3
Std.Week No: 3 (Jan. 15 - Jan.21) No. of Days: 7													
Mean	26.2	15.9	19.0	25.1	17.4	19.5	4.3	20.6	27.7	21.7	26.7	22.7	26.2
Std.Week No: 4 (Jan.22 - Jan. 28) No. of Days: 7													
Mean	29.3	13.8	17.2	28.1	15.9	20.4	4.5	20.5	29.9	22.1	28.5	23.5	27.1

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: January

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	0700						1400
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	18.4	12.5	82	51	6.8	90	45	10.4	2	2	0	4.2
2	14.4	11.1	82	44	6.7	90	90	9.3	2	0	0	4.0
3	15.2	10.0	86	42	5.4	90	90	7.8	0	0	0	3.2
4	12.8	14.7	83	59	5.8	90	140	9.3	0	0	0	2.8
5	11.3	15.7	87	63	4.3	90	140	9.2	0	0	0	4.8
6	12.9	13.5	85	53	3.3	90	90	7.5	0	0	0	5.0
7	11.3	12.3	87	49	2.5	90	45	9.1	0	0	0	3.8
8	12.1	11.1	88	42	3.0	90	45	9.4	0	0	0	3.6
9	12.0	10.6	88	44	6.6	90	45	9.9	0	0	0	3.2
10	14.2	14.1	85	59	8.3	90	90	8.7	0	0	0	2.8
11	13.2	13.3	81	57	7.7	90	90	7.4	0	0	0	3.4
12	14.6	13.4	85	56	4.8	90	90	5.4	0	0	0	4.0
13	14.7	15.3	84	64	5.8	90	90	8.1	0	0	0	4.2
14	15.6	15.1	89	61	7.7	90	140	3.0	0	0	0	2.8
15	13.6	13.8	82	65	9.4	90	140	4.0	0	0	0	3.8
16	14.5	13.2	87	53	8.0	90	90	3.8	0	0	0	2.8
17	13.8	12.1	85	50	6.7	90	45	8.2	0	0	0	3.6
18	14.3	13.0	80	49	8.4	90	140	8.9	0	0	0	3.0
19	14.0	17.3	90	89	7.2	90	45	7.0	8	8	3.4	2.8
20	14.1	12.6	89	47	4.4	45	140	0.0	2	0	0	2.0
21	13.7	14.7	83	59	4.7	90	140	9.7	0	0	0	4.2
22	11.2	13.1	82	46	3.9	90	140	10.2	0	0	0	4.4
23	14.9	13.3	91	46	6.0	90	45	9.9	0	0	0	4.6
24	15.8	11.5	89	44	5.8	90	270	8.8	0	0	0	5.0
25	11.7	15.0	92	52	4.8	90	270	9.5	0	0	0	4.6
26	11.9	14.7	86	49	4.5	90	270	9.3	0	0	0	5.2
27	11.7	14.0	86	47	5.1	90	45	9.4	0	0	0	4.6
28	13.6	14.3	87	50	4.7	90	45	10.0	0	0	0	4.6
29	13.3	14.4	85	51	4.8	90	45	9.5	0	0	0	4.8
30	13.9	15.1	87	50	5.5	140	45	9.5	0	0	0	5.0
31	15.6	14.3	89	47	4.0	90	90	9.0	0	0	0	5.2
Mean	13.7	13.5	86	53	5.7	..	..	8.1	0	0	3.4	3.9
Weekly mean												
Std.Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7												
Mean	13.8	12.8	85	51	5.0	..	..	8.9	1	0	0.0	4.0
Std.Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7												
Mean	13.8	13.3	86	55	6.3	..	..	7.4	0	0	0.0	3.4
Std.Week No: 3 (Jan.15 - Jan.21) No. of Days: 7												
Mean	14.0	13.8	85	59	7.0	..	..	5.9	1	1	3.4	3.2
Std.Week No: 4 (Jan.22 - Jan.28) No. of Days: 7												
Mean	13.0	13.7	87	48	5.0	..	..	9.6	0	0	0.0	4.7