

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

**PART- I**

District : Bengaluru  
 State : Karnataka

Lat : 13° 05' N  
 Long : 77° 34' E  
 Alt : 924 m (amsl)

Month : December  
 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		
			LMT	LMT	LMT	LMT		LMT	LMT	LMT	LMT		
1	22.8	16.6	19.0	22.6	18.4	19.6	2.6	20.0	25.6	20.2	24.0	22.4	23.0
2	23.2	17.6	18.8	25.4	18.0	21.0	2.5	20.6	29.0	21.0	28.0	22.8	26.8
3	26.2	17.4	20.4	24.6	19.2	21.4	3.3	21.0	25.8	21.6	24.6	24.2	24.0
4	26.2	19.6	21.0	26.8	20.0	21.2	2.9	21.0	30.0	22.8	28.4	24.0	26.8
5	27.6	19.8	20.4	24.6	19.2	19.6	3.2	22.0	28.4	22.6	27.2	25.0	26.6
6	25.4	17.4	18.2	25.4	17.0	19.4	3.1	21.0	29.4	24.2	29.0	24.2	28.0
7	27.0	17.4	18.0	26.0	16.8	20.4	3.5	20.8	30.0	21.6	29.0	23.0	28.2
8	27.4	17.2	18.4	27.2	16.4	18.2	3.6	21.0	33.0	22.2	31.6	23.8	30.6
9	27.8	17.8	18.2	26.8	16.0	20.2	3.6	22.0	32.4	23.0	31.0	24.0	30.0
10	27.0	17.2	19.2	27.8	18.2	20.8	3.5	21.0	31.2	22.4	30.2	23.0	29.0
11	28.0	17.8	18.0	27.0	16.8	20.0	3.6	22.0	31.0	23.2	29.0	24.0	28.0
12	27.2	16.8	17.4	27.2	16.0	20.4	3.6	22.0	31.4	23.0	29.2	24.0	28.0
13	28.0	17.6	18.8	26.8	17.8	20.2	3.6	22.0	30.2	23.0	29.0	23.2	28.2
14	27.8	17.0	19.6	26.2	18.0	20.0	3.7	20.2	31.6	22.0	30.0	23.2	29.8
15	28.2	16.8	17.6	26.4	15.0	18.6	3.8	20.0	30.4	21.2	29.0	23.0	27.8
16	27.6	15.8	17.4	23.0	16.0	19.8	3.8	21.0	27.0	22.2	26.0	23.0	25.0
17	25.2	16.2	18.6	26.6	17.8	19.4	3.2	21.0	32.0	21.8	31.0	24.6	29.8
18	26.8	15.2	18.0	27.0	16.2	19.0	3.7	22.0	31.0	23.0	30.0	23.2	29.2
19	27.2	15.0	19.2	25.6	18.0	18.0	3.8	22.4	30.6	23.0	29.4	23.2	28.0
20	26.2	14.8	16.0	25.8	14.8	19.0	3.6	21.0	30.0	22.0	29.2	23.0	29.0
21	26.8	15.0	18.0	25.2	16.8	19.2	3.7	20.0	30.0	21.2	29.8	23.0	29.2
22	27.0	15.2	19.2	25.0	18.2	18.0	3.7	21.0	30.0	22.0	28.2	23.0	27.0
23	25.2	14.6	16.2	24.8	14.2	17.0	3.4	20.0	31.2	21.2	30.0	23.0	28.8
24	25.0	14.4	16.0	25.0	14.8	16.8	3.4	20.2	33.0	21.2	27.2	22.0	26.0
25	26.2	14.8	18.0	26.8	16.8	20.0	3.6	20.0	32.0	22.0	30.2	23.2	29.0
26	27.0	15.2	16.8	25.2	15.8	17.2	3.7	21.0	32.4	23.0	30.0	24.0	29.4
27	26.0	15.2	17.0	25.4	15.2	17.0	3.5	20.0	30.0	21.0	28.8	24.8	27.0
28	27.0	16.4	16.6	25.6	15.0	18.0	3.6	20.4	33.4	21.8	31.0	23.6	29.0
29	27.2	16.0	17.4	26.4	16.0	18.2	3.7	20.4	32.0	21.8	30.8	23.6	28.0
30	27.4	16.2	19.0	27.0	18.2	18.8	3.7	21.0	31.2	22.0	30.0	23.0	28.8
31	28.0	17.2	19.0	27.4	18.0	21.2	3.7	20.0	30.8	22.4	29.6	23.0	28.0
Mean	26.6	16.5	18.2	25.9	16.9	19.3	3.5	20.9	30.5	22.1	29.0	23.5	27.9
<b>Weekly mean</b>													
<b>Std. Week No: 49 (December 3 - December 9) No. of Days: 7</b>													
Mean	26.8	18.1	19.2	25.9	17.8	20.1	3.3	21.3	29.9	22.6	28.7	24.0	27.7
<b>Std. Week No: 50 (December 10 - December 16) No. of Days: 7</b>													
Mean	27.7	17.0	18.3	26.3	16.8	20.0	3.6	21.2	30.4	22.4	28.9	23.3	28.0
<b>Std. Week No: 51 (December 17 - December 23) No. of Days: 7</b>													
Mean	26.3	15.1	17.9	25.7	16.6	18.5	3.6	21.1	30.7	22.0	29.7	23.3	28.7
<b>Std. Week No: 52 (December 24 - December 31) No. of Days: 8</b>													
Mean	26.7	15.7	17.5	26.1	16.2	18.4	3.6	20.4	31.9	21.9	29.7	23.4	28.2

## PART- II

Time of Observation  
I---> 0700 Hours LMT = 0720 IST  
II---> 1400 Hours LMT = 1420 IST

Month : December  
Year : 2025

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr.		Rel. Hum.		Speed (Km/hr)	Direction			0700	1400		
	(mm) Hg.		%			0700	1400					
	0700	1400	0700	1400		LMT	LMT					
LMT	LMT	LMT	LMT	LMT	LMT							
1	15.5	15.4	94	75	5.3	45	45	0.0	8	4	1.0	2.2
2	15.0	16.2	92	67	6.7	45	45	0.8	2	4	0.0	3.2
3	16.0	17.3	89	75	6.0	45	45	1.4	2	4	0.6	3.6
4	17.0	15.8	91	60	6.0	45	45	3.0	0	2	0.4	2.4
5	16.0	14.3	89	62	7.3	45	45	6.5	4	4	0.0	3.6
6	13.9	13.6	88	56	7.4	45	45	1.1	4	2	0.2	3.2
7	13.7	14.9	88	59	6.2	45	45	6.9	2	0	0.0	4.4
8	12.9	10.7	81	40	5.2	45	45	6.0	0	0	0.0	4.2
9	12.4	14.1	79	53	5.7	45	45	9.0	0	0	0.0	4.6
10	15.1	14.5	91	52	6.0	45	45	8.7	0	0	0.0	4.4
11	13.7	13.7	88	51	7.4	45	45	10.0	0	0	0.0	4.0
12	12.9	14.2	86	53	4.8	45	45	9.8	0	0	0.0	4.6
13	14.7	14.1	91	53	3.2	45	45	9.2	0	0	0.0	5.0
14	14.6	14.1	85	55	5.4	45	45	9.8	0	0	0.0	4.4
15	11.4	11.8	75	46	6.2	45	45	9.9	0	0	0.0	4.6
16	12.9	15.6	86	74	3.3	45	45	9.0	0	0	0.0	5.2
17	14.8	12.9	92	49	7.8	45	45	1.7	0	0	0.0	3.2
18	12.8	12.1	83	45	3.8	45	45	9.8	0	0	0.0	5.0
19	14.8	11.3	89	46	4.7	45	45	8.5	0	0	0.0	4.8
20	12.0	12.7	88	51	2.7	45	45	8.5	0	0	0.0	4.4
21	13.7	13.4	88	56	2.8	45	45	8.5	0	0	0.0	4.0
22	15.1	11.6	91	49	4.0	45	45	8.9	0	0	0.0	4.8
23	11.0	10.2	80	44	3.9	45	45	7.6	0	0	0.0	4.2
24	12.0	9.8	88	41	3.5	45	45	7.7	0	0	0.0	4.0
25	13.7	13.8	88	52	2.5	45	45	9.0	0	0	0.0	3.4
26	12.9	10.3	90	43	4.4	45	45	9.8	0	0	0.0	4.2
27	12.0	9.9	82	41	5.0	45	45	9.2	0	0	0.0	3.8
28	11.9	11.3	84	46	5.5	45	45	9.4	0	0	0.0	4.0
29	12.9	11.2	86	43	5.1	45	45	8.2	0	0	0.0	4.0
30	15.2	11.7	92	44	4.0	45	45	7.8	0	0	0.0	4.4
31	15.0	15.4	96	57	5.8	45	45	6.2	0	0	0.0	3.8
Mean	13.8	13.2	88	53	5.1	..	..	7.2	1	1	2.2	4.1
Weekly mean												
Std. Week No: 49 (December 3 - December 9) No. of Days: 7												
Mean	14.6	14.4	86.7	57.7	6.3	...	...	4.8	...	...	1.2	3.7
Std. Week No: 50 (December 10 - December 16) No. of Days: 7												
Mean	13.6	14.0	86.1	54.8	5.2	...	...	9.5	...	...	0.0	4.6
Std. Week No: 51 (December 17 - December 23) No. of Days: 7												
Mean	13.5	12.0	87.3	48.5	4.2	...	...	7.6	...	...	0.0	4.3
Std. Week No: 52 (December 24 - December 31) No. of Days: 8												
Mean	13.2	11.7	88.4	45.8	4.5	...	...	8.7	...	...	0.0	4.0

Note: Rainfall is in total