

**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 : 2023**

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	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	26.8	15.0	19.0	27.0	17.4	19.8	3.8	21.6	28.0	22.0	27.0	22.8	26.2
2	27.2	14.8	18.8	26.0	17.6	20.0	3.8	21.4	27.8	22.4	26.6	23.0	26.4
3	26.2	14.0	18.4	25.0	16.2	19.6	3.8	21.6	27.6	22.0	26.8	22.0	26.0
4	25.2	16.0	17.8	24.8	16.4	19.8	3.7	21.4	27.4	21.8	26.6	22.4	26.4
5	25.2	16.2	19.0	24.0	17.2	19.4	4.1	21.2	26.6	21.6	25.4	22.0	25.2
6	24.4	15.2	19.0	25.4	16.6	19.6	4.1	20.6	26.4	21.0	25.6	21.4	25.0
7	25.8	15.4	17.8	24.2	16.6	19.4	4.3	20.4	26.2	20.8	25.4	21.6	25.2
8	24.8	15.8	18.0	25.0	16.4	19.4	3.7	20.0	26.0	21.0	25.8	21.4	25.2
9	25.2	12.8	17.8	25.0	15.6	19.6	3.6	20.2	26.0	20.6	25.4	21.8	25.0
10	25.6	12.2	17.4	26.2	15.0	19.4	3.7	20.0	26.0	20.4	25.8	21.6	25.2
11	26.6	9.0	18.0	26.8	16.6	19.6	3.8	20.0	25.8	20.2	25.0	20.8	25.0
12	27.2	11.4	17.0	27.0	15.0	19.4	3.9	20.0	26.8	20.4	26.0	20.6	25.6
13	27.8	10.4	19.0	27.8	17.2	19.6	3.8	20.2	28.0	21.0	27.2	21.8	26.8
14	28.4	11.2	16.8	27.2	15.0	19.4	3.4	20.6	27.8	21.4	27.0	22.0	26.8
15	27.8	10.2	17.0	28.0	15.2	19.8	3.8	20.2	28.4	21.0	27.4	21.6	27.0
16	28.4	10.0	17.8	27.6	15.4	19.6	4.6	20.4	28.6	21.0	27.8	21.8	27.2
17	28.4	9.6	17.0	27.4	15.4	20.0	3.7	20.6	28.4	21.0	27.0	21.8	27.0
18	28.2	13.4	17.0	27.0	14.8	19.8	4.1	20.6	29.2	21.6	28.0	21.8	27.6
19	27.4	14.0	16.8	26.4	15.0	19.6	4.3	20.4	29.4	21.6	27.8	22.0	27.0
20	26.8	11.4	18.0	25.0	16.0	20.2	3.9	20.6	28.8	21.8	27.6	22.0	27.0
21	25.2	16.0	18.8	25.2	17.0	19.6	4.1	20.8	27.8	22.0	27.0	22.4	26.8
22	25.4	13.0	16.6	25.4	15.2	18.2	3.6	20.4	27.8	21.8	26.6	22.0	26.0
23	26.6	15.0	17.6	23.4	15.2	18.8	4.5	20.2	27.4	21.4	26.4	21.8	26.2
24	23.8	18.0	19.6	25.0	18.2	18.4	3.8	20.0	27.0	21.0	26.6	21.4	26.2
25	25.2	15.4	17.6	26.2	15.6	18.6	3.5	21.0	27.8	21.6	27.0	21.8	26.6
26	26.4	15.6	18.4	26.8	17.2	18.4	4.0	21.4	28.6	22.0	27.6	23.0	26.8
27	27.6	15.2	18.0	27.0	16.8	19.0	4.7	21.8	29.6	22.4	28.0	23.0	27.2
28	27.6	12.0	18.2	27.0	15.6	19.6	4.2	21.6	29.4	22.4	28.0	23.2	27.4
29	27.2	11.8	18.6	27.2	16.8	19.0	4.1	21.6	29.4	22.0	28.0	22.8	27.2
30	28.2	12.2	20.2	26.8	18.8	19.2	4.7	21.8	29.2	22.0	28.8	23.0	27.8
31	27.4	17.4	19.6	27.4	17.8	20.4	4.1	21.6	30.0	22.4	28.8	23.2	28.0
Mean	26.6	13.5	18.1	26.1	16.3	19.4	4.0	20.8	27.8	21.5	26.9	22.1	26.4
Weekly mean													
Std. Week No: (Jan. 1 - Jan. 7) No. of Days: 7													
Mean	25.8	15.2	18.5	25.2	16.9	19.7	4.0	21.2	27.1	21.7	26.2	22.2	25.8
Std. Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7													
Mean	26.5	11.8	17.7	26.4	15.8	19.5	3.7	20.1	26.6	20.7	26.0	21.4	25.7
Std. Week No: 3 (Jan. 15 - Jan.21) No. of Days: 7													
Mean	27.5	12.1	17.5	26.7	15.5	19.8	4.1	20.5	28.7	21.4	27.5	21.9	27.1
Std. Week No: 4 (Jan.22 - Jan. 28) No. of Days: 7													
Mean	26.1	14.9	18.0	25.8	16.3	18.7	4.0	20.9	28.2	21.8	27.2	22.3	26.6

PART II

Time of Observation:

Month: January

I--> 0700 Hours LMT = 0720 IST

Year : 2023

II--> 1400 Hours LMT = 1420 IST

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			0830	0830
	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	14.0	13.3	85	50	3.2	90	90	8.7	0	2	0	4.0
2	14.4	14.2	89	56	3.7	90	90	9.3	0	2	0	3.8
3	12.6	14.1	79	59	4.1	90	90	9.4	2	0	0	4.0
4	13.2	14.6	86	62	4.3	140	140	8.5	3	3	0	3.6
5	13.7	14.4	83	64	7.0	140	45	9.1	2	2	0	4.2
6	12.8	13.9	78	57	6.9	45	45	7.8	0	3	0	3.8
7	13.5	14.2	88	63	9.9	90	90	8.7	2	2	0	4.2
8	13.1	13.8	85	58	6.8	90	90	5.6	2	2	0	4.0
9	12.1	14.1	79	59	3.9	90	90	8.0	0	3	0	3.8
10	11.5	13.1	77	52	3.2	45	90	9.4	0	2	0	4.0
11	13.4	13.1	87	50	3.7	90	45	9.5	0	2	0	4.2
12	11.7	12.7	80	47	3.2	45	45	9.7	0	2	0	3.8
13	13.7	12.6	83	45	2.4	45	45	9.7	0	0	0	4.4
14	11.8	12.6	82	47	2.0	45	90	7.4	0	0	0	4.6
15	12.0	12.8	82	45	2.6	90	90	8.8	0	0	0	3.8
16	11.8	12.7	77	46	6.5	90	90	10.1	0	0	0	4.0
17	12.2	13.4	84	49	3.1	90	90	9.4	0	2	0	4.6
18	11.4	13.3	79	50	3.9	90	90	9.3	3	0	0	4.4
19	11.8	13.3	82	52	5.7	90	90	8.8	0	0	0	4.2
20	12.5	15.1	81	64	4.3	90	90	9.5	0	3	0	4.8
21	13.5	14.0	83	58	6.4	90	90	8.3	3	2	0	4.0
22	12.2	11.7	86	48	3.9	90	90	6.5	6	0	0	4.2
23	11.6	13.7	77	64	7.9	90	90	8.8	0	3	0	4.0
24	14.9	12.2	87	51	7.4	90	90	4.8	6	2	0	3.2
25	12.2	11.9	81	47	6.2	90	140	3.2	3	2	0	4.0
26	14.1	11.2	89	43	5.8	90	90	5.6	2	2	0	4.2
27	13.7	12.1	88	45	5.6	90	90	9.7	0	0	0	4.6
28	11.9	13.0	76	49	3.7	45	90	9.1	0	0	0	4.8
29	13.4	12.0	83	44	5.1	90	140	7.6	0	0	0	4.0
30	15.5	12.5	87	47	8.0	140	90	9.0	0	2	0	4.8
31	14.3	14.1	84	52	6.6	140	45	5.3	0	3	0	4.4
Mean	12.9	13.2	83	52	5.1	..	..	8.2	1	1	0.0	4.1
Weekly mean												
Std. Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7												
Mean	13.5	14.1	84	59	5.6	..	..	8.8	1	2	0.0	3.9
Std. Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7												
Mean	12.5	13.1	82	51	3.6	..	..	8.5	0	2	0.0	4.1
Std. Week No: 3 (Jan.15 - Jan.21) No. of Days: 7												
Mean	12.2	13.5	81	52	4.6	..	..	9.2	1	1	0.0	4.3
Std. Week No: 4 (Jan.22 - Jan.28) No. of Days: 7												
Mean	12.9	12.3	83	49	5.8	..	..	6.8	2	1	0.0	4.1