

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 : 2024

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	28.4	17.8	18.0	28.0	17.2	21.0	3.7	21.0	30.2	22.0	29.0	23.0	28.8	
2	29.0	18.2	19.0	27.2	17.2	21.8	4.1	20.0	29.0	21.2	28.2	22.0	27.8	
3	29.8	18.4	22.0	25.2	20.2	19.0	4.7	20.2	28.0	21.0	26.4	22.0	25.2	
4	29.0	18.0	19.0	24.8	17.0	18.0	4.8	20.0	28.0	21.2	27.2	21.8	27.0	
5	27.8	18.2	19.2	25.2	17.0	19.8	4.5	20.2	28.2	20.8	27.6	21.0	26.8	
6	28.2	19.0	19.2	27.6	17.8	20.4	4.5	21.0	29.0	21.6	28.2	22.0	28.0	
7	27.8	18.0	19.8	27.0	17.8	21.2	4.5	20.0	28.0	21.2	27.8	21.8	27.0	
8	28.4	18.2	19.0	22.8	17.2	20.4	4.7	20.2	27.0	21.0	25.4	21.8	25.0	
9	28.0	17.6	21.0	25.6	20.0	19.8	4.6	20.0	28.0	21.2	27.4	21.8	27.0	
10	26.2	17.4	19.2	25.4	17.8	19.0	3.9	20.2	27.0	21.0	26.2	21.6	26.0	
11	26.4	17.0	18.4	28.4	17.0	20.6	3.7	20.0	29.0	20.4	28.2	20.8	28.0	
12	29.0	18.4	19.8	28.4	18.2	20.4	3.8	21.0	29.2	22.6	28.4	23.0	28.0	
13	29.2	18.0	19.2	28.0	18.0	19.8	3.9	21.2	30.4	22.6	30.0	23.0	29.2	
14	29.0	19.2	20.2	28.0	18.2	19.4	3.7	20.0	30.2	21.2	29.2	22.6	28.4	
15	30.0	18.2	18.4	28.0	17.0	19.8	4.1	21.0	30.2	22.0	30.0	23.0	29.0	
16	29.8	18.0	18.4	28.0	16.8	20.2	4.1	21.0	30.0	22.6	28.8	23.2	28.0	
17	30.0	18.2	19.0	28.4	17.0	20.2	4.1	20.0	29.0	21.2	28.8	21.8	28.0	
18	29.0	17.8	18.2	27.8	17.0	20.2	4.0	21.0	30.2	22.0	29.2	23.2	29.0	
19	29.2	18.0	19.2	29.0	18.0	21.2	4.0	21.2	31.2	22.0	30.0	23.0	29.0	
20	30.0	18.2	19.4	29.2	18.0	21.0	4.2	21.2	31.0	22.4	30.2	23.0	29.2	
21	29.8	19.2	20.2	29.6	19.0	21.0	4.0	22.0	30.2	23.0	29.2	23.4	29.0	
22	30.2	19.0	19.8	30.0	18.2	20.6	4.1	21.2	31.0	22.0	30.8	23.0	29.4	
23	31.2	18.2	19.4	29.4	18.0	20.4	4.5	22.0	31.2	23.2	30.6	24.0	29.0	
24	30.0	18.4	19.2	28.0	18.0	20.4	4.2	22.2	31.0	23.2	30.2	24.0	29.2	
25	29.8	19.0	20.0	28.8	18.0	20.2	4.1	22.0	30.0	23.2	29.4	24.0	29.0	
26	30.0	19.2	20.0	28.0	19.0	19.0	4.1	23.0	30.2	23.6	29.2	24.2	29.0	
27	29.8	19.4	21.0	28.8	19.0	20.2	4.0	21.2	30.0	22.0	29.0	22.8	28.0	
28	30.0	18.0	21.0	29.6	18.6	21.0	4.3	22.0	31.0	23.0	30.0	24.0	29.0	
29	30.2	19.0	21.2	27.4	19.2	19.6	4.2	22.0	30.2	23.0	29.4	24.0	29.0	
30	29.2	18.0	18.4	28.6	17.2	20.4	4.1	22.4	30.0	23.4	29.8	24.0	29.0	
31	30.0	18.2	19.2	29.8	18.0	20.4	4.3	22.0	31.2	23.0	30.2	24.0	29.0	
Mean	29.2	18.3	19.5	27.7	18.0	20.2	4.2	21.0	29.6	22.1	28.8	22.8	28.2	
Weekly mean														
Std. Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7														
Mean	28.6	18.2	19.5	26.4	17.7	20.2	4.4	20.3	28.6	21.3	27.8	21.9	27.2	
Std. Week No: 2 ( Jan. 8 - Jan.14) No. of Days: 7														
Mean	28.0	18.0	19.5	26.7	18.1	19.9	4.0	20.4	28.7	21.4	27.8	22.1	27.4	
Std. Week No: 3 (Jan. 15 - Jan.21) No. of Days: 7														
Mean	29.7	18.2	19.0	28.6	17.5	20.5	4.1	21.1	30.3	22.2	29.5	22.9	28.7	
Std. Week No: 4 (Jan.22 - Jan. 28) No. of Days: 7														
Mean	30.1	18.7	20.1	28.9	18.4	20.3	4.2	21.9	30.6	22.9	29.9	23.7	28.9	

PART II

Time of Observation:

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month: January

Year : 2024

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	0700	1400		0700	0700			1400	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT			LMT	IST	IST
1	14.3	14.8	92	52	6.2	140	140	9.6	2	0	0	6.0			
2	13.7	16.6	83	61	6.2	90	140	8.0	0	0	0	5.4			
3	16.8	13.1	85	54	7.8	140	140	5.8	0	0	0	4.8			
4	13.4	11.7	82	50	7.0	140	90	1.0	0	4	0	1.6			
5	13.3	14.3	80	60	6.7	140	180	0.1	8	6	0	1.4			
6	14.5	14.0	87	51	7.5	140	140	3.9	4	0	0	1.6			
7	14.2	15.7	82	59	6.8	140	140	8.0	2	2	0	3.0			
8	13.7	16.6	83	80	6.0	140	90	6.7	2	4	0	3.2			
9	17.0	14.1	91	57	10.2	90	90	0.0	4	4	0	1.8			
10	14.5	12.9	87	53	11.2	90	90	0.3	4	4	0	2.4			
11	13.8	13.9	87	48	9.9	90	90	2.7	4	4	0	2.2			
12	14.8	13.5	85	47	7.9	90	140	9.5	4	2	0	4.6			
13	14.8	12.8	89	45	8.1	90	140	10.1	2	2	0	5.2			
14	14.6	12.1	82	43	7.8	90	90	9.1	2	2	0	4.8			
15	13.8	12.8	87	45	7.0	90	90	7.5	2	0	0	5.2			
16	13.5	13.4	85	47	7.8	90	90	9.2	0	0	0	4.2			
17	13.4	13.2	82	46	9.8	90	90	8.8	0	0	0	4.8			
18	13.9	13.5	88	48	8.2	90	140	7.9	0	0	0	4.6			
19	14.8	14.6	89	48	4.4	90	140	8.7	0	0	0	3.4			
20	14.7	14.1	87	46	3.2	180	140	7.8	0	0	0	4.0			
21	15.8	13.9	89	45	2.2	140	140	7.7	0	0	0	5.2			
22	14.8	13.0	85	41	2.4	140	180	9.4	0	0	0	6.0			
23	14.7	13.0	87	42	2.0	140	180	10.4	0	0	0	3.8			
24	14.8	13.8	89	49	2.2	140	140	9.0	0	0	0	3.6			
25	14.4	13.0	82	44	3.0	140	180	8.2	0	0	0	4.2			
26	15.9	11.5	91	41	2.4	140	140	7.8	0	0	0	4.8			
27	15.4	13.0	82	44	2.6	140	140	10.1	0	0	0	5.2			
28	14.7	13.9	79	45	2.2	90	90	8.6	0	0	0	5.0			
29	15.6	12.8	83	47	3.0	90	45	9.6	0	0	0	5.2			
30	14.1	13.4	89	46	5.4	90	90	8.8	0	0	0	4.2			
31	14.8	12.8	89	41	6.2	90	230	9.3	0	0	0	5.0			
<b>Mean</b>	<b>14.6</b>	<b>13.6</b>	<b>86</b>	<b>49</b>	<b>5.9</b>	<b>..</b>	<b>..</b>	<b>7.2</b>	<b>1</b>	<b>1</b>	<b>0.0</b>	<b>4.1</b>			
<b>Weekly mean</b>															
<b>Std. Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7</b>															
<b>Mean</b>	14.3	14.3	84	55	6.9	..	..	5.2	2	2	0.0	3.4			
<b>Std. Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7</b>															
<b>Mean</b>	14.7	13.7	86	53	8.7	..	..	5.5	3	3	0.0	3.5			
<b>Std. Week No: 3 (Jan.15 - Jan.21) No. of Days: 7</b>															
<b>Mean</b>	14.3	13.6	87	47	6.1	..	..	8.2	0	0	0.0	4.5			
<b>Std. Week No: 4 (Jan.22 - Jan.28) No. of Days: 7</b>															
<b>Mean</b>	15.0	13.0	85	43	2.4	..	..	9.1	0	0	0.0	4.7			