

**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 : 2019

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	26.6	12.6	14.8	26.0	14.0	20.4	3.0	20.6	31.0	21.6	29.6	22.8	28.8
2	26.8	11.0	13.8	26.6	12.6	20.6	3.0	20.4	30.8	21.0	29.0	21.8	28.6
3	26.8	10.6	14.4	26.8	13.6	20.8	2.9	20.6	29.6	21.0	28.0	22.0	27.4
4	27.8	9.4	15.0	27.0	13.8	20.6	2.5	21.0	29.8	21.8	27.8	23.0	27.0
5	27.2	10.6	14.8	26.6	12.6	20.4	3.0	20.8	29.6	21.6	29.0	22.8	27.6
6	27.0	12.2	14.4	26.8	14.0	20.2	3.1	20.6	29.8	21.8	29.0	22.4	27.0
7	27.2	12.6	15.0	27.2	14.0	20.4	3.2	20.8	31.0	21.6	29.0	22.4	27.8
8	28.0	11.8	18.2	26.8	17.0	20.6	2.9	20.6	31.2	21.8	29.4	22.6	28.0
9	27.8	10.0	18.0	27.4	16.8	20.4	2.8	20.8	31.0	21.6	29.0	22.4	27.8
10	29.0	12.0	14.4	28.0	13.8	20.6	3.0	20.0	30.8	20.4	28.8	21.0	27.6
11	28.4	14.0	14.8	28.0	14.2	20.4	3.5	21.0	31.8	22.0	27.8	22.4	27.0
12	28.8	14.6	16.8	28.6	15.6	20.6	3.3	20.8	31.2	21.6	28.8	22.0	27.6
13	28.6	13.0	14.6	27.8	13.8	20.0	3.1	20.8	31.0	21.0	30.0	21.6	28.8
14	29.0	12.2	13.6	27.8	13.0	20.8	3.2	20.0	31.0	21.0	30.0	21.6	28.8
15	28.0	10.6	16.6	28.0	14.4	21.0	3.0	20.6	31.6	21.4	30.0	22.0	28.8
16	28.8	10.8	17.0	27.2	15.8	20.8	3.1	21.0	30.8	21.8	30.0	21.8	28.6
17	28.0	13.0	17.8	27.0	16.6	20.6	3.1	20.0	30.0	21.4	28.6	22.0	27.0
18	28.2	15.2	15.8	26.4	14.8	20.4	3.7	20.2	30.4	20.8	28.8	21.6	27.8
19	27.6	10.8	16.6	27.8	15.8	20.8	3.0	20.0	30.2	21.0	28.6	21.4	27.4
20	29.0	10.0	14.8	27.0	13.2	20.8	3.3	20.0	30.8	21.0	30.0	21.4	29.0
21	27.8	11.4	14.8	27.6	14.0	20.4	3.2	21.0	31.0	21.8	28.8	22.0	27.6
22	28.6	11.6	15.8	27.4	14.0	20.6	3.3	21.2	30.6	21.8	30.0	22.4	27.6
23	28.2	13.8	18.2	27.4	17.0	20.8	3.2	20.8	31.0	22.0	30.4	23.0	27.8
24	28.8	16.4	19.0	27.8	17.8	20.6	3.6	21.0	30.8	21.8	30.0	22.4	28.0
25	28.8	16.0	19.8	28.0	17.8	21.0	3.6	20.8	30.6	21.6	28.8	22.8	27.4
26	28.2	17.4	19.2	28.2	18.0	20.4	3.7	21.0	31.0	21.8	28.4	22.0	27.8
27	29.0	17.6	19.6	26.4	18.2	20.4	3.5	21.0	30.8	21.6	29.0	22.2	27.8
28	27.0	17.8	19.8	27.0	18.6	20.2	3.2	21.0	30.6	21.4	28.8	22.0	27.6
29	28.0	16.2	17.6	25.8	17.0	20.2	3.7	20.6	30.0	21.6	28.8	22.0	27.6
30	26.0	14.2	17.8	26.6	17.4	20.8	3.0	20.4	30.6	21.8	28.0	22.6	27.4
31	27.2	16.2	17.0	26.0	16.0	20.6	3.8	20.6	30.8	21.0	27.8	22.4	27.0
<b>Mean</b>	<b>27.9</b>	<b>13.1</b>	<b>16.4</b>	<b>27.2</b>	<b>15.3</b>	<b>20.6</b>	<b>3.2</b>	<b>20.6</b>	<b>30.7</b>	<b>21.5</b>	<b>29.0</b>	<b>22.2</b>	<b>27.8</b>
<b>Weekly mean</b>													
<b>Std.Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7</b>													
<b>Mean</b>	27.1	11.3	14.6	26.7	13.5	20.5	3.0	20.7	30.2	21.5	28.8	22.5	27.7
<b>Std.Week No: 2 ( Jan. 8 - Jan.14) No. of Days: 7</b>													
<b>Mean</b>	28.5	12.5	15.8	27.8	14.9	20.5	3.1	20.6	31.1	21.3	29.1	21.9	27.9
<b>Std.Week No: 3 (Jan. 15 - Jan.21) No. of Days: 7</b>													
<b>Mean</b>	28.2	11.7	16.2	27.3	14.9	20.7	3.2	20.4	30.7	21.3	29.3	21.7	28.0
<b>Std.Week No: 4 (Jan.22 - Jan. 28) No. of Days: 7</b>													
<b>Mean</b>	28.4	15.8	18.8	27.5	17.3	20.6	3.4	21.0	30.8	21.7	29.3	22.4	27.7

PART II

Time of Observation:

I----> 0700 Hours LMT = 0720 IST

II----> 1400 Hours LMT = 1420 IST

Month: January

Year : 2019

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		0700	1400	0830	0830	
	0700	1400	0700	1400	0700	0700		1400					
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST	
1	11.6	14.9	91	59	6.0	45	90	9.8	0	0	0	4.6	
2	10.3	14.9	87	57	7.4	45	90	9.6	0	0	0	4.0	
3	11.2	15.1	91	57	7.3	90	45	10.2	0	0	0	4.2	
4	11.2	14.7	87	55	5.7	45	90	4.9	0	0	0	4.0	
5	9.7	14.5	77	56	8.0	90	90	7.3	0	0	0	4.2	
6	11.8	14.1	96	53	7.5	45	90	9.3	0	0	0	4.4	
7	11.4	14.2	89	53	7.4	90	90	9.1	0	0	0	4.6	
8	13.9	14.8	88	56	3.8	90	90	9.0	0	0	0	3.8	
9	13.7	14.1	88	52	5.6	90	45	9.6	0	0	0	4.8	
10	11.5	14.1	94	50	5.3	45	45	6.9	4	0	0	4.0	
11	11.8	13.8	94	49	8.0	90	90	8.4	2	0	0	4.0	
12	12.6	13.8	88	47	3.8	90	90	9.4	0	0	0	4.4	
13	11.4	13.2	91	47	5.9	90	45	6.1	0	0	0	4.0	
14	10.9	14.5	93	52	5.6	90	45	7.9	6	0	0	4.2	
15	11.1	14.8	78	52	5.5	45	45	9.7	0	0	0	4.4	
16	12.8	14.9	88	55	5.4	90	90	10	0	0	0	4.6	
17	13.5	14.7	88	55	7.6	45	45	7.8	0	0	0	4.4	
18	12.1	14.7	90	57	8.0	45	45	9.9	4	0	0	4.2	
19	13.0	14.5	92	52	7.0	90	90	9.2	0	0	0	4.6	
20	10.5	15.0	83	56	8.0	140	90	10.2	0	0	0	4.6	
21	11.6	14.0	91	51	6.7	90	90	9.2	0	0	0	4.2	
22	11.0	14.4	82	53	6.4	90	90	9.8	0	0	0	4.8	
23	13.9	14.8	88	54	3.8	140	90	9.1	0	0	0	4.6	
24	14.6	14.2	89	51	5.1	90	90	9.2	0	0	0	4.8	
25	14.2	14.8	82	52	6.2	140	140	8.4	0	2	0	4.4	
26	14.8	13.7	89	48	6.5	140	140	8.4	2	2	0	4.2	
27	14.9	14.7	87	57	5.4	140	140	6.5	2	2	0	4.0	
28	15.4	14.0	89	52	5.2	140	140	5.0	4	3	0	4.0	
29	14.2	14.7	94	59	10	90	90	6.6	3	2	0	4.2	
30	14.7	15.2	96	58	9.2	90	90	6.4	3	2	0	4.0	
31	13.1	15.2	90	60	8.6	140	140	9.6	0	0	0	4.0	
Mean	12.5	14.5	89	54	6.5	..	..	8.5	1	0	0.0	4.3	
Weekly mean													
Std.Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7													
Mean	11.0	14.6	88	56	7.0	..	..	8.6	0	0	0.0	4.3	
Std.Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7													
Mean	12.3	14.0	91	50	5.4	..	..	8.2	2	0	0.0	4.2	
Std.Week No: 3 (Jan.15 - Jan.21) No. of Days: 7													
Mean	12.1	14.6	87	54	6.9	..	..	9.4	1	0	0.0	4.4	
Std.Week No: 4 (Jan.22 - Jan.28) No. of Days: 7													
Mean	14.1	14.4	87	52	5.5	..	..	8.1	1	1	0.0	4.4	