

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

PAR-I

District: Bengaluru

Lat: 13°05'N

Month: January

State : Karnataka

Long: 77° 34' E

Year : 2018

Alt. : 924 m (amsl)

date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max	Min.	Dry	Dry	Wet	Wet		5 Cm	5 Cm	10C m	10C m	15C m	15C m
	070 0	140 0	0700	140 0	070 0	1400	0830	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	26.4	13.8	15.2	27.2	14.6	20.6	3.0	19.6	31.6	20.4	30.0	20.8	28.8
2	27.6	16.0	18.4	26.8	18.0	20.2	3.0	20.2	32.0	21.6	30.8	22.0	28.8
3	28.0	17.0	19.0	26.4	17.4	20.8	3.2	20.8	29.0	21.6	28.6	22.8	27.8
4	26.6	16.4	17.8	26.4	16.6	20.0	2.9	20.0	30.6	20.8	29.0	21.8	28.0
5	26.8	14.6	17.6	25.4	15.8	19.8	3.1	20.8	30.6	21.8	29.0	22.6	27.8
6	26.0	12.6	16.6	26.0	15.0	19.8	2.8	20.2	31.6	22.0	29.2	22.8	28.0
7	26.2	13.0	18.0	25.4	16.8	19.6	3.0	20.0	30.0	21.0	28.8	21.8	27.4
8	25.8	12.8	16.0	25.2	13.8	19.0	2.8	20.0	30.8	20.8	29.0	22.0	27.8
9	25.4	13.8	16.0	25.8	14.6	19.8	3.2	19.8	31.6	21.0	30.0	22.6	28.6
10	26.0	16.0	17.8	27.2	16.0	19.8	3.3	20.2	31.4	21.6	30.0	22.0	28.6
11	27.6	15.4	19.6	27.2	17.0	20.2	3.4	20.0	32.0	21.4	31.0	22.6	28.6
12	28.0	17.6	19.4	27.8	18.0	20.4	3.7	20.8	32.0	21.6	30.8	23.0	28.6
13	28.4	14.8	19.6	28.0	18.0	20.4	3.0	20.0	32.6	21.6	30.6	22.4	28.4
14	29.6	14.0	19.8	28.0	18.4	20.8	3.2	21.0	32.0	22.6	30.0	22.8	28.6
15	29.6	14.8	20.0	28.0	18.2	20.4	3.5	20.8	32.4	21.6	30.0	23.0	29.0
16	29.0	15.2	18.8	27.6	17.6	20.8	3.4	21.0	30.8	21.8	28.8	23.2	28.0
17	28.0	14.4	17.2	27.0	16.6	20.0	3.2	20.2	31.6	21.6	30.0	22.8	28.4
18	27.2	13.0	17.0	26.8	15.6	19.8	3.1	20.6	31.0	21.4	28.8	22.6	28.0
19	27.0	10.0	16.0	26.6	14.4	19.6	3.0	19.8	30.2	20.2	28.0	21.6	27.6
20	26.8	13.2	17.0	26.6	15.6	19.4	3.3	19.6	30.8	21.6	30.0	22.8	28.4
21	26.8	12.6	17.8	26.8	15.8	20.4	3.1	20.0	31.0	21.8	30.2	22.4	28.6
22	27.2	13.2	15.4	26.6	14.0	20.0	3.2	20.0	30.8	21.4	29.6	22.6	27.8
23	27.0	13.8	17.0	27.0	16.0	20.0	3.2	20.0	31.8	21.2	29.6	22.6	28.0
24	28.0	14.6	18.0	27.2	16.8	20.2	3.2	20.8	31.6	21.6	30.0	22.6	28.2
25	27.8	14.0	18.0	27.8	16.8	20.6	3.1	20.4	32.2	21.6	30.0	23.0	28.2
26	28.2	14.6	17.0	27.0	15.6	19.8	3.4	20.6	32.2	21.8	31.0	23.0	28.4
27	27.2	13.6	17.2	27.0	16.4	20.2	3.3	20.0	32.0	22.0	30.8	22.8	28.4
28	27.6	14.0	17.6	27.4	16.4	20.0	3.5	21.0	32.0	22.4	30.8	23.0	28.6
29	27.8	13.6	17.4	27.0	16.0	20.4	3.3	20.6	32.4	21.8	30.0	22.6	28.2
30	28.0	13.4	16.6	27.2	15.8	19.6	3.7	20.6	32.2	21.6	30.0	22.8	28.4
31	27.8	12.4	17.0	27.6	16.2	20.8	3.3	20.6	31.8	21.4	30.0	22.8	29.0
Mean	27.4	14.1	17.6	26.9	16.3	20.1	3.2	20.3	31.4	21.5	29.8	22.5	28.3
<b>Weekly mean</b>													
<b>Std.Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7</b>													
Mean	26.8	14.8	17.5	26.2	16.3	20.1	3.0	20.2	30.8	21.3	29.3	22.1	28.1
<b>Std.Week No: 2 ( Jan. 8 - Jan.14) No. of Days: 7</b>													
Mean	27.3	14.9	18.3	27.0	16.5	20.1	3.2	20.3	31.8	21.5	30.2	22.5	28.5
<b>Std.Week No: 3 (Jan. 15 - Jan.21) No. of Days: 7</b>													
Mean	27.8	13.3	17.7	27.1	16.3	20.1	3.2	20.3	31.1	21.4	29.4	22.6	28.3
<b>Std.Week No: 4 (Jan.22 - Jan. 28) No. of Days: 7</b>													
Mean	27.6	14.0	17.2	27.1	16.0	20.1	3.3	20.4	31.8	21.7	30.3	22.8	28.2

PART II

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

Month: January  
 Year : 2018

Date	Humidity				Mean Wind			Bright	Cloud	Rainfall (mm)	Pan	
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount		Evap.	
	(mm)	Hg.	%		(Km/day)				(Octas)		(mm)	
	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	12.1	21.5	94	54	4.1	50	50	9.6	0	0	0.0	4.6
2	15.3	19.0	96	53	1.8	140	90	8.7	0	0	0.0	4.8
3	14.0	20.3	85	59	4.9	50	90	7.8	0	0	0.0	5.2
4	13.5	19.4	88	54	4.5	90	90	4.9	0	0	0.0	4.8
5	12.5	19.5	83	58	6.2	90	140	7.3	0	0	0.0	5.8
6	11.9	20.0	84	55	3.5	140	140	9.3	0	0	0.0	4.6
7	13.7	18.7	88	57	6.8	140	50	9.1	0	0	0.0	4.4
8	10.6	19.3	78	54	2.2	140	90	9.0	0	0	0.0	5.2
9	11.7	20.2	86	56	8.8	90	50	9.6	0	0	0.0	4.8
10	12.6	19.4	83	49	8.3	50	140	6.9	3	0	0.0	4.4
11	13.1	19.5	77	51	6.8	140	90	8.4	0	2	0.0	4.8
12	14.7	19.3	87	50	8.1	90	140	9.4	3	0	0.0	4.4
13	14.6	19.3	85	49	4.5	140	90	6.1	0	0	0.0	4.6
14	15.1	19.8	87	51	5.2	90	90	7.9	0	0	0.0	5.0
15	14.7	19.2	84	49	6.3	90	50	9.7	0	0	0.0	4.6
16	14.4	20.2	89	53	5.1	50	90	10.0	0	0	0.0	5.0
17	13.8	19.4	94	51	5.6	90	90	7.8	0	0	0.0	4.8
18	12.5	19.6	86	51	5.6	90	140	8.9	0	0	0.0	4.6
19	11.4	20.0	84	51	6.2	140	90	10.0	0	0	0.0	4.2
20	12.5	19.0	86	49	6.6	90	90	10.2	0	0	0.0	4.4
21	12.4	20.5	81	55	4.1	90	90	9.6	0	0	0.0	5.6
22	11.2	20.9	86	53	4.2	140	90	9.6	0	0	0.0	4.8
23	13.1	19.7	90	51	5.2	90	90	8.5	0	0	0.0	4.8
24	13.7	19.6	88	51	3.0	90	140	8.7	0	0	0.0	5.0
25	13.7	20.3	88	51	3.4	140	50	7.8	0	0	0.0	4.4
26	12.5	19.6	86	50	4.1	50	90	8.7	0	0	0.0	4.8
27	13.5	19.9	92	52	5.7	90	90	9.6	0	0	0.0	4.2
28	13.3	19.5	88	49	6.2	90	50	9.4	0	0	0.0	4.8
29	12.9	20.4	86	54	5.3	50	50	8.4	0	0	0.0	5.0
30	13.0	19.2	92	48	8.9	90	90	10.0	0	0	0.0	5.2
31	13.4	21.0	92	53	5.4	90	90	9.4	0	0	0.0	4.4
<b>Mean</b>	<b>13.1</b>	<b>19.8</b>	<b>87</b>	<b>52</b>	<b>5.4</b>	<b>..</b>	<b>..</b>	<b>8.7</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>4.8</b>
<b>Weekly mean</b>												
<b>Std.Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7</b>												
<b>Mean</b>	13.3	19.8	88	56	4.5	..	..	8.1	0	0	0.0	4.9
<b>Std.Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7</b>												
<b>Mean</b>	13.2	19.5	83	51	6.3	..	..	8.2	1	0	0.0	4.7
<b>Std.Week No: 3 (Jan.15 - Jan.21) No. of Days: 7</b>												
<b>Mean</b>	13.1	19.7	86	51	5.6	..	..	9.5	0	0	0.0	4.7
<b>Std.Week No: 4 (Jan.22 - Jan.28) No. of Days: 7</b>												
<b>Mean</b>	13.0	19.9	88	51	4.5	..	..	8.9	0	0	0.0	4.7