

**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 : November  
 Year : 2018

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		LMT	LMT	LMT	LMT	LMT	LMT
1	29.6	18.0	21.6	27.6	20.0	20.8	3.8	22.4	31.8	23.4	30.0	23.8	28.8
2	28.8	18.4	21.2	28.0	20.2	21.0	3.6	21.8	31.6	22.4	30.0	23.4	28.6
3	28.8	19.6	21.8	27.4	20.4	21.2	3.3	21.0	32.0	22.0	31.0	23.0	28.8
4	28.6	19.0	22.0	27.8	20.8	20.8	3.7	21.6	31.0	22.8	30.2	23.4	28.8
5	28.4	18.2	21.0	28.0	19.8	20.8	3.5	20.8	31.6	21.0	30.0	22.0	28.6
6	29.0	16.6	21.0	29.0	20.0	21.0	3.3	20.6	31.0	21.8	30.6	22.6	29.0
7	29.8	17.0	20.6	28.2	19.8	21.2	3.6	20.8	30.8	21.6	30.0	22.4	28.6
8	29.4	13.6	21.6	28.0	20.4	20.8	3.1	21.0	31.0	22.8	29.6	23.6	28.8
9	29.0	16.4	19.4	28.8	18.0	20.6	3.3	21.0	30.8	22.0	29.8	23.0	28.6
10	29.2	15.4	21.0	29.0	19.0	20.0	3.6	21.6	31.8	22.4	30.0	23.0	28.6
11	29.2	16.4	20.6	28.8	19.8	20.6	3.5	21.2	32.0	22.0	31.0	23.0	28.8
12	29.6	14.4	20.0	28.2	18.2	20.8	3.3	21.0	31.8	22.0	30.0	23.2	28.8
13	29.6	12.4	18.0	27.8	16.6	21.0	3.0	21.2	31.6	22.2	30.2	23.4	28.6
14	29.0	11.4	20.0	28.8	18.0	20.8	3.0	21.0	31.4	22.4	30.0	23.0	28.8
15	29.6	12.2	20.8	27.0	19.0	20.6	3.1	21.6	29.0	22.8	28.0	23.4	26.6
16	29.8	19.0	20.0	26.0	19.0	20.8	4.0	20.8	28.8	21.8	27.6	22.6	26.0
17	26.2	18.0	21.6	28.0	20.0	21.0	3.1	20.6	32.0	21.4	31.0	22.0	28.6
18	29.4	19.8	21.8	28.0	20.0	21.2	4.0	22.6	31.8	23.4	30.0	24.0	29.0
19	29.8	19.6	22.0	28.2	20.0	20.8	4.2	22.4	31.6	23.8	30.0	24.4	28.6
20	29.0	18.8	22.0	28.6	20.2	21.0	3.7	23.0	31.6	24.0	30.2	25.2	28.8
21	30.0	18.6	21.6	26.0	20.0	20.6	4.1	22.8	28.0	23.8	26.8	24.8	25.0
22	26.2	19.4	21.2	24.0	20.2	20.4	3.1	21.8	26.0	22.0	25.0	23.6	24.0
23	24.6	19.6	20.0	24.6	19.8	20.6	2.8	20.0	25.6	21.6	24.6	23.0	24.0
24	25.0	19.2	20.2	26.6	19.8	20.2	2.6	20.0	28.8	21.0	28.0	21.8	27.0
25	27.0	17.8	18.6	27.2	18.2	20.6	3.1	20.0	30.8	21.8	29.6	22.4	28.4
26	28.0	16.8	19.0	27.0	18.8	20.8	3.3	20.4	31.0	21.8	30.0	22.6	27.8
27	28.0	14.6	18.8	26.0	17.6	20.8	3.3	21.4	32.6	22.4	30.0	23.8	28.8
28	26.0	14.2	16.8	27.0	16.0	20.6	3.3	21.0	30.8	21.8	30.0	22.0	28.8
29	27.6	16.8	18.0	26.6	17.0	20.8	3.8	20.0	30.0	21.0	28.8	22.8	28.0
30	27.0	17.0	19.2	27.8	18.0	21.0	3.0	20.8	31.8	21.6	30.0	22.4	28.6
<b>Mean</b>	<b>28.4</b>	<b>16.9</b>	<b>20.4</b>	<b>27.5</b>	<b>19.2</b>	<b>20.8</b>	<b>3.4</b>	<b>21.2</b>	<b>30.7</b>	<b>22.2</b>	<b>29.4</b>	<b>23.1</b>	<b>28.0</b>
<b>Weekly Mean</b>													
<b>Std.Week No:45 ( Nov. 5 - Nov. 11) No. of Days : 7</b>													
<b>Mean</b>	29.1	16.2	20.7	28.5	19.5	20.7	3.4	21.0	31.3	21.9	30.1	22.8	28.7
<b>Std.Week No:46 ( Nov.12 - Nov.18) No. of Days: 7</b>													
<b>Mean</b>	29.0	15.3	20.3	27.7	18.7	20.9	3.3	21.3	30.9	22.3	29.5	23.1	28.1
<b>Std.Week No:47 ( Nov .19 - Nov. 25) No. of Days: 7</b>													
<b>Mean</b>	27.4	19.0	20.8	26.5	19.7	20.6	3.4	21.4	28.9	22.6	27.7	23.6	26.5
<b>Std.Week No:48 ( Nov. 26 - Dec.2) No. of Days: 7</b>													
<b>Mean</b>	27.3	15.9	18.4	26.9	17.5	20.8	3.3	20.7	31.2	21.7	29.8	22.7	28.4

## PART II

Time of  
Observation :I---> 0700 Hours LMT  
= 0720 IST  
II---> 1400 Hours LMT  
= 1420 ISTMonth :  
November  
Year : 2018

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainf all (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/day)	Direction						
	0700 LMT	1400 LMT	0700 LMT	1400 LMT	0700 LMT	0700 LMT	1400 LMT	0700 LMT	0700 LMT	1400 LMT		
1	16.7	14.7	86	53	7.8	45	45	9.7	3	3	0	4.6
2	17.2	14.8	91	52	8.4	90	45	8.3	6	3	0	4.2
3	17.2	15.4	88	56	8.8	45	45	3.3	6	3	0	3.4
4	17.8	14.5	90	52	12.5	45	45	5.9	4	3	0	4.2
5	16.7	14.4	89	51	6.5	90	45	8.9	4	2	0	3.8
6	17.0	14.2	91	47	5.8	45	45	7.8	2	2	0	4
7	16.9	15.0	93	52	6.7	45	45	9.3	2	0	0	4.2
8	17.3	14.4	89	51	5.3	45	45	9.1	0	0	0	4
9	14.7	13.7	87	46	5.4	45	45	7.4	2	0	0	3.8
10	15.4	12.6	82	42	5.8	90	50	10.6	0	0	0	4.2
11	16.9	13.7	93	46	5	50	50	9.8	0	0	0	4.4
12	14.7	14.3	84	50	4.8	50	50	8.6	0	0	0	4
13	13.4	14.9	87	53	4	50	50	7.9	0	0	0	4.2
14	14.4	14.0	82	47	3.4	50	50	9.6	0	0	0	4.4
15	15.5	14.7	84	55	2.6	50	50	10.5	0	0	0	4.6
16	15.9	15.5	91	62	11.7	360	45	6.8	6	3	0	3.8
17	16.7	14.8	86	52	10.6	90	90	3.6	0	0	0	3.6
18	16.5	15.1	84	53	7.4	90	90	9.1	0	2	0	4.4
19	16.4	14.3	83	50	8.8	90	50	9.2	3	2	0	4.2
20	16.8	14.4	85	49	7.8	50	50	6.8	2	3	0	4.8
21	16.7	15.2	86	60	9.1	50	50	9.8	4	4	0	5
22	17.2	16.0	91	71	14.6	50	50	1.5	8	6	0	3.8
23	17.2	16.0	98	69	12	90	50	1.3	8	6	0	2.6
24	17.1	14.2	96	54	5.8	90	50	0.3	0	2	20.6	2.2
25	15.5	14.5	96	54	4.7	50	50	4.4	4	0	0	3.8
26	16.2	15.0	98	56	6.2	50	50	6	0	0	0	4
27	14.4	15.5	89	62	6.1	50	50	8.1	0	0	0	4.4
28	13.2	14.7	92	55	6.4	50	90	9.6	0	3	0	4.6
29	14.0	15.2	90	58	8	90	45	9.4	8	2	0	4
30	14.8	14.9	89	53	6.2	50	50	3.2	0	0	0	3.8
Mean	16.0	14.8	89	54	7.3	..	..	7.2	2	2	20.6	4.0
<b>Weekly Mean</b>												
<b>Std.Week No:45 ( Nov. 5 - Nov. 11) No. of Days : 7</b>												
Mean	16.4	19.0	89	48	5.8	..	..	9.0	1	1	0.0	4.1
<b>Std.Week No:46 ( Nov.12 - Nov.18) No. of Days: 7</b>												
Mean	15.3	19.7	85	53	6.4	..	..	8.0	1	1	0.0	4.1
<b>Std.Week No:47 ( Nov .19 - Nov. 25) No. of Days: 7</b>												
Mean	16.7	18.7	91	58	9.0	..	..	4.8	4	3	20.6	3.8
<b>Std.Week No:48 ( Nov. 26 - Dec.2) No. of Days: 7</b>												
Mean	14.5	20.3	92	57	6.6	..	..	7.3	2	1	0.0	4.2

Note : Rainfall is in total