

**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 : 2016

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		0830	0700	1400	0700	1400	0700
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	30.0	19.6	20.2	26.6	19.6	20.4	3.8	22.4	34.6	23.6	33.6	23.8	33.4
2	27.8	18.4	20.4	28.0	19.0	20.6	3.5	22.0	34.0	23.0	33.8	23.6	33.2
3	28.2	18.4	20.8	28.6	20.0	20.2	3.6	22.4	34.4	23.6	34.0	23.8	33.6
4	30.8	16.8	19.8	28.8	18.4	20.6	3.9	22.6	34.2	23.6	33.0	23.8	31.8
5	30.8	16.0	21.0	29.0	18.4	20.0	3.5	21.6	34.4	22.4	33.2	23.8	31.6
6	30.2	15.8	21.4	28.6	18.0	20.2	3.5	21.8	34.8	22.8	33.6	24.0	31.8
7	30.0	15.4	20.4	28.0	18.0	19.8	3.3	21.6	34.6	22.6	33.0	23.8	31.5
8	29.0	16.4	20.0	28.2	18.2	20.0	3.5	22.0	34.8	22.8	34.0	23.6	33.0
9	29.0	16.8	19.0	27.2	17.8	19.2	3.7	21.8	34.0	22.6	33.8	23.8	33.6
10	28.0	14.4	19.2	27.8	16.8	19.8	3.3	21.6	33.0	22.4	31.8	23.6	31.0
11	28.6	16.0	19.0	28.0	16.2	19.8	3.5	21.0	33.6	22.0	31.8	23.6	31.0
12	29.6	17.0	20.8	28.4	18.0	20.0	3.6	21.2	33.8	22.0	32.0	23.4	30.8
13	29.0	19.0	20.4	28.0	17.8	19.8	3.6	21.2	33.6	22.4	31.8	23.6	30.0
14	29.8	18.8	21.6	28.0	20.0	20.4	3.8	21.0	33.0	22.0	32.2	23.4	31.6
15	29.2	19.4	21.8	28.4	19.8	20.2	3.5	21.2	33.2	22.2	32.6	23.4	31.8
16	29.4	17.8	20.2	28.8	19.6	20.4	3.7	21.0	33.0	22.0	32.0	23.2	31.6
17	30.0	19.2	22.0	28.0	20.0	20.2	4.5	21.2	33.0	22.0	32.0	23.0	31.8
18	29.8	17.8	20.0	28.2	18.0	19.8	3.8	21.0	31.8	21.8	30.0	22.8	29.6
19	29.0	17.0	19.8	28.4	18.0	20.0	3.7	21.2	31.6	22.4	31.0	23.0	30.0
20	29.2	16.6	20.2	28.8	18.2	19.4	3.7	21.0	21.6	21.4	22.0	22.2	23.0
21	29.4	16.2	18.2	28.4	16.8	19.2	3.7	21.0	30.8	21.8	30.0	22.0	29.4
22	29.6	18.0	18.8	29.0	15.0	19.6	3.9	21.2	30.0	21.6	30.0	22.4	28.8
23	30.6	14.8	19.0	28.4	16.0	19.4	3.8	21.0	30.0	21.4	29.6	22.0	29.0
24	30.6	14.4	16.8	28.6	15.8	18.4	4.0	20.8	30.4	21.6	29.6	22.0	29.0
25	29.6	13.6	17.2	29.0	15.4	19.0	3.9	20.8	30.4	21.4	29.8	21.8	28.4
26	30.2	14.0	17.2	28.0	16.6	18.6	3.8	20.4	30.6	21.6	30.0	22.0	29.6
27	29.8	11.8	15.8	29.2	14.2	18.8	3.5	20.2	30.6	21.6	30.0	21.8	29.6
28	31.0	11.6	17.0	29.2	15.2	18.8	3.3	20.2	30.8	21.8	29.4	22.0	29.0
29	31.8	12.0	20.2	28.6	16.8	18.2	3.5	20.4	30.8	20.8	29.4	21.6	28.8
30	29.0	14.0	16.4	28.8	14.4	19.0	3.3	21.0	30.2	22.4	30.0	23.6	28.0
<b>Mean</b>	<b>29.6</b>	<b>16.2</b>	<b>19.5</b>	<b>28.4</b>	<b>17.5</b>	<b>19.7</b>	<b>3.7</b>	<b>21.3</b>	<b>32.2</b>	<b>22.2</b>	<b>31.3</b>	<b>23.0</b>	<b>30.5</b>
<b>Weekly Mean</b>													
<b>Std.Week No:45 ( Nov. 5 - Nov. 11) No. of Days : 7</b>													
<b>Mean</b>	29.4	15.8	20.0	28.1	17.6	19.8	3.5	21.6	34.2	22.5	33.0	23.7	31.9
<b>Std.Week No:46 ( Nov.12 - Nov.18) No. of Days: 7</b>													
<b>Mean</b>	29.5	18.4	21.0	28.3	19.0	20.1	3.8	21.1	33.1	22.1	31.8	23.3	31.0
<b>Std.Week No:47 ( Nov .19 - Nov. 25) No. of Days: 7</b>													
<b>Mean</b>	29.7	15.8	18.6	28.7	16.5	19.3	3.8	21.0	29.3	21.7	28.9	22.2	28.2
<b>Std.Week No:48 ( Nov. 26 - Dec.2) No. of Days: 7</b>													
<b>Mean</b>	30.4	12.7	17.3	28.8	15.4	18.7	3.5	20.4	30.6	21.6	29.8	22.2	29.0

PART II

Time of  
Observation  
:

I----> 0700 Hours  
LMT = 0720 IST  
II----> 1400 Hours  
LMT = 1420 IST

Month :  
November

Year :  
2016

Date	Humidity				Mean Wind			Bright	Cloud			Rainfall	Pan
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount			(mm)	Evap.
	(mm) Hg.		%		(Km/day)				(Octas)				
	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	16.8	18.4	94	56	7.4	90	90	8.2	0	2	0.0	5.6	
2	15.7	19.1	87	50	7.1	90	50	7.5	2	2	0.0	4.6	
3	17.1	17.9	93	45	8.8	50	50	6.5	0	0	0.0	5.0	
4	15.1	19.4	87	46	7.5	50	50	9.9	0	0	0.0	5.4	
5	14.4	18.4	77	42	4.5	50	50	9.1	0	0	0.0	4.8	
6	13.6	19.0	71	45	4.4	50	50	10.2	0	0	0.0	5.0	
7	14.2	18.3	79	45	2.9	50	50	9.2	0	0	0.0	6.2	
8	14.7	18.5	84	45	4.7	50	90	9.7	0	0	0.0	5.0	
9	14.6	17.5	89	45	6.4	50	50	10.0	0	0	0.0	5.2	
10	13.0	19.0	78	46	5.0	90	50	9.6	0	0	0.0	5.8	
11	12.3	19.3	74	45	5.0	50	90	9.6	0	0	0.0	5.0	
12	13.9	18.6	76	44	4.4	90	90	9.7	0	3	0.0	4.0	
13	13.9	18.4	77	45	5.2	90	90	7.0	3	4	0.0	4.2	
14	16.7	18.2	86	49	9.6	90	90	5.5	5	2	0.0	3.8	
15	16.2	18.0	83	46	6.6	90	90	5.0	2	2	0.0	4.6	
16	16.8	18.4	94	45	6.8	90	50	8.3	2	2	0.0	4.2	
17	16.4	17.9	83	47	13.6	50	50	8.1	3	2	0.0	4.4	
18	14.4	18.3	82	44	7.7	50	50	6.7	3	2	0.0	4.0	
19	14.5	18.6	84	44	7.7	50	50	7.2	0	0	0.0	4.8	
20	14.6	17.6	82	39	6.7	50	50	7.6	0	2	0.0	4.6	
21	13.6	18.0	87	40	6.3	50	50	8.6	2	0	0.0	4.2	
22	10.7	19.6	66	40	6.2	50	90	6.6	0	0	0.0	4.0	
23	12.0	18.8	73	41	5.6	90	90	10.6	0	0	0.0	4.4	
24	12.9	17.3	90	35	6.7	90	50	10.6	0	0	0.0	4.2	
25	12.1	18.5	82	36	7.8	50	50	10.0	0	0	0.0	4.2	
26	13.8	17.2	94	38	5.7	50	50	10.8	0	0	0.0	3.8	
27	11.3	18.8	84	35	4.1	90	50	10.0	0	0	0.0	4.2	
28	12.0	18.3	82	35	3.2	50	50	7.8	0	0	0.0	4.0	
29	12.5	16.4	70	34	4.1	50	50	8.2	0	0	0.0	4.8	
30	11.2	19.0	80	37	3.1	50	50	6.8	0	0	0.0	3.8	
Mean	14.0	18.4	82	43	6.2	..	..	8.5	1	1	0.0	4.6	
<b>Weekly Mean</b>													
<b>Std.Week No:45 ( Nov. 5 - Nov. 11) No. of Days : 7</b>													
Mean	13.8	18.6	79	45	4.7	..	..	9.6	0	0	0.0	5.3	
<b>Std.Week No:46 ( Nov.12 - Nov.18) No. of Days: 7</b>													
Mean	15.5	18.3	83	46	7.7	..	..	7.2	3	2	0.0	4.2	
<b>Std.Week No:47 ( Nov .19 - Nov. 25) No. of Days: 7</b>													
Mean	12.9	18.3	80	39	6.7	..	..	8.7	0	0	0.0	4.3	
<b>Std.Week No:48 ( Nov. 26 - Dec.2) No. of Days: 7</b>													
Mean	12.2	17.9	82	36	4.0	..	..	8.7	0	0	0.0	4.1	

Note : Rainfall is in total