

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

PART- I

District : Bengaluru  
State : Karnataka

Lat : 13° 05' N  
Long : 77° 34' E  
Long : 77° 34' E  
Alt : 924 m (amsl)

Month : December  
Year : 2018

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10 cm	10 cm	15 cm	15 cm
	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	28.8	17.2	19.4	27.0	18.4	20.6	3.4	20.4	30.8	21.8	30.2	22.0	28.6
2	27.6	14.2	19.4	27.0	18.6	20.4	3.0	20.6	31	22.0	30.0	23.0	28.8
3	27.4	14.4	18.0	25.4	17.0	20.2	3.2	20.8	30.8	21.2	30.0	22.0	28.6
4	26.0	17.6	19.4	26.0	18.8	20.4	3.4	20.0	30.6	21.0	30.2	22.0	29.0
5	26.2	18.6	19.4	26.6	19.0	20.6	3.0	20.6	31.6	21.0	30.0	22.0	28.6
6	27.6	19.2	20.6	27.0	19.8	20.8	3.5	20.8	31.0	21.4	30.2	21.8	29.6
7	28.4	17.4	20.2	27.2	18.8	20.8	3.2	20.6	30.6	21.6	30.2	22.8	28.8
8	27.6	16.8	19.6	27.4	18.2	20.4	2.9	20.8	30.8	21.6	30.0	22.4	28.4
9	28.0	16.6	19.6	28.0	18.4	20.6	3.2	20.0	30.8	21.0	30.0	22.0	28.6
10	29.2	16.8	19.0	28.0	18.2	20.8	3.4	20.6	31.8	21.6	30.2	22.0	29.0
11	28.8	15.6	20.0	27.6	19.0	20.6	2.6	20.8	31.0	21.4	30.0	22.0	29.0
12	28.4	17.8	21.6	28.0	20.0	20.4	2.9	21.0	31.2	21.8	30.6	22.6	28.8
13	28.8	17.8	19.0	27.4	18.0	20.6	3.1	20.8	31.0	21.6	30.0	22.4	28.6
14	28.2	16.8	20.8	26.8	19.6	20.4	2.7	20.6	30.8	21.8	30.2	22.0	28.8
15	28.0	15.6	19.6	27.0	18.4	20.0	3.4	20.8	31.0	21.6	29.0	22.4	28.4
16	27.4	14.8	18.0	26.6	16.8	19.8	3.0	21.4	31.6	22.0	30.2	23.8	28.8
17	27.0	11.8	16.8	25.6	15.0	20.4	3.1	21.0	30.8	22.0	30.0	23.0	28.6
18	25.6	10.8	17.6	27.0	16.0	20.8	2.2	20.6	30.0	21.0	28.8	22.0	27.6
19	27.4	13.8	16.8	26.0	15.6	20.4	3.3	20.8	29.8	21.0	28.0	21.8	27.4
20	26.2	13.6	18.0	27.0	16.4	20.8	2.9	20.8	30.0	21.4	28.4	22.0	27.8
21	28.0	17.4	19.0	26.6	17.8	20.2	3.5	20.0	29.0	21.0	28.6	21.8	27.4
22	27.8	16.6	19.4	28.0	18.0	20.4	3.1	19.8	29.4	21.0	28.4	21.6	27.0
23	28.4	17.6	19.8	27.6	18.4	20.2	3.7	20.0	29.6	21.2	28.0	22.0	27.4
24	28.4	17.0	19.0	27.8	18.0	20.8	3.6	20.2	29.8	21.4	28.6	22.2	28.0
25	28.6	17.8	19.8	28.4	18.2	21.0	3.5	20.4	31.0	21.6	29.6	22.4	28.8
26	29.0	16.6	20.0	29.0	18.2	20.2	3.7	20.6	33.6	21.8	29.6	22.4	29.0
27	30.0	17.4	20.8	27.4	18.8	21.0	3.8	21.0	32.4	22.4	29.6	23.2	29.2
28	29.6	17.2	20.6	27.0	18.6	20.8	3.4	20.8	32.0	21.8	30.2	22.8	29.4
29	27.4	18.4	19.4	26.0	18.6	20.2	3.2	20.6	30.6	21.4	29.6	22.0	27.8
30	26.2	16.2	18.0	25.0	17.0	20.4	3.1	20.8	30.8	21.6	30.0	22.4	28.8
31	25.8	14.6	16.8	25.2	15.4	20.6	3.0	20.6	30.8	21.0	28.8	22.0	27.6
Mean	27.8	16.3	19.2	27.0	18.0	20.5	3.2	20.6	30.8	21.5	29.6	22.3	28.5
Weekly mean													
Std.Week No: 49 (December 3 - December 9) No. of Days: 7													
Mean	27.3	17.2	19.5	26.8	18.6	20.5	3.2	20.5	30.9	21.3	30.1	22.1	28.8
Std.Week No: 50 (December 10 - December 16) No. of Days: 7													
Mean	28.4	16.5	19.7	27.3	18.6	20.4	3.0	20.9	31.2	21.7	30.0	22.5	28.8
Std.Week No: 51 (December 17 - December 23) No. of Days: 7													
Mean	27.2	14.5	18.2	26.8	16.7	20.5	3.1	20.4	29.8	21.2	28.6	22.0	27.6
Std.Week No: 52 (December 24 - December 31) No. of Days: 8													
Mean	28.1	16.9	19.3	27.0	17.9	20.6	3.4	20.6	31.4	21.6	29.5	22.4	28.6

PART- II

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

Month : December  
 Year : 2018

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	1400	0700	0700	1400	0700			0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	15.3	14.7	91	55	5.6	50	50	8.4	2	2	0	4.2
2	15.6	14.3	93	54	8.0	90	50	7.5	0	2	0	4.4
3	14.0	14.9	90	61	7.0	50	50	9.7	2	3	0	4.0
4	15.9	14.9	94	59	7.9	90	90	9.4	6	3	0	3.8
5	16.3	14.9	96	57	7.3	90	140	3.8	4	2	2.8	3.6
6	16.9	15.0	93	56	6.3	140	140	8.6	2	2	0	4.0
7	15.5	14.9	87	55	6.6	90	50	5.7	0	0	0	4.4
8	14.9	14.1	87	52	5.5	50	50	3.0	0	2	0	3.4
9	15.2	14.1	89	50	8.3	50	50	4.1	6	2	0	3.8
10	15.2	14.4	92	51	7.6	140	320	5.9	0	0	0	4.0
11	15.9	14.3	91	52	2.6	140	140	2.7	0	2	0	4.2
12	16.7	13.8	86	49	2.6	140	140	4.7	0	0	0	4.0
13	14.9	14.4	91	53	2.8	140	140	5.5	3	3	0	3.2
14	16.4	14.4	89	55	4.5	90	90	2.4	3	0	0	3.0
15	15.2	13.7	89	51	7.8	90	90	8.2	0	0	0	4.6
16	13.7	13.6	88	52	8.3	90	50	2.4	3	2	0	3.8
17	11.8	15.1	82	61	8.0	50	50	9.4	0	0	0	4.4
18	12.8	15.0	85	56	3.8	360	50	3.5	0	0	0	4.2
19	12.6	14.9	88	59	6.9	50	50	9.1	0	0	0	4.0
20	13.1	15.0	85	56	5.9	90	90	6.9	0	2	0	4.2
21	14.6	14.2	89	54	6.4	140	140	7.9	3	3	0	4.0
22	14.7	13.8	87	49	4.1	140	140	5.8	4	2	0	3.8
23	15.1	13.7	87	49	7.6	90	90	7.2	3	2	0	4.4
24	14.9	14.5	91	52	8.9	50	90	5.7	3	0	0	5.2
25	14.8	14.6	85	50	5.7	90	90	6.8	0	0	0	4.0
26	14.7	12.9	84	43	5.2	320	140	9.2	0	0	0	4.2
27	15.2	15.1	82	55	4.9	50	140	9.0	0	2	0	4.0
28	15.0	15.0	82	56	3.3	90	90	7.2	0	2	0	3.6
29	15.6	14.5	93	58	5.0	90	90	4.7	3	3	0	3.2
30	14.0	15.4	90	65	8.6	90	90	4.1	6	0	0	3.6
31	14.7	15.7	88	54	7.5	90	90	5.4	0	0	0	4.2
Mean	14.9	14.5	89	54	6.1	..	..	6.3	2	1	2.8	4.0
Weekly mean												
Std.Week No: 49 (December 3 - December 9) No. of Days: 7												
Mean	15.5	19.2	91.0	55.6	7.0	...	...	6.3	...	...	2.8	3.9
Std.Week No: 50 (December 10 - December 16) No. of Days: 7												
Mean	15.4	18.9	89.5	51.7	5.2	...	...	4.5	...	...	0.0	3.8
Std.Week No: 51 (December 17 - December 23) No. of Days: 7												
Mean	13.5	20.1	86.1	55.0	6.1	...	...	7.1	...	...	0.0	4.1
Std.Week No: 52 (December 24 - December 31 ) No. of Days: 8												
Mean	14.9	19.8	87.0	54.1	6.1	...	...	6.5	...	...	0.0	4.0

Note: Rainfall is in total

