

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 : 2016

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	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	30	14.4	18.8	26.0	17.4	18.4	3.4	20.8	30.0	21.4	28.8	22.6	28.4
2	27.2	16	19.8	26.8	18.0	18.8	3.2	20.0	26.6	20.8	25.8	21.4	25.0
3	27.6	18.2	19.4	23.6	18.4	18.8	3.2	20.0	26.8	20.8	25.0	21.6	24.6
4	24	18	19.6	26.8	18.0	19.0	2.9	20.0	27.0	20.6	26.0	21.6	25.4
5	27.8	18.8	21.8	27.6	20.0	20.0	3.5	20.4	26.8	21.0	26.0	21.8	25.6
6	28	18	20.2	27.0	18.4	18.4	3.6	20.6	29.6	21.6	27.8	22.4	26.6
7	27.4	12	16.0	26.8	15.0	18.8	3.1	20.8	30.0	21.6	28.8	22.0	27.6
8	27.4	16	20.0	27.6	18.6	18.4	3.3	20.8	30.8	21.6	30.0	22.0	28.8
9	28	13.6	20.8	28.0	17.6	18.0	3.0	20.8	30.2	21.8	30.0	22.4	28.6
10	29	12.8	16.2	25.8	13.8	18.4	3.3	20.8	29.6	21.4	28.0	22.2	27.8
11	26	8	13.4	26.8	11.6	18.4	2.5	20.0	29.0	20.8	28.0	21.6	27.4
12	27.4	12.8	18.0	24.6	15.4	18.4	3.1	20.6	25.0	22.0	24.2	22.6	23.8
13	25	17.2	17.8	19.8	17.6	18.6	2.6	19.6	23.6	19.8	23.0	20.0	22.8
14	20	16.8	18.6	23.0	18.4	18.0	2.0	19.6	24.0	19.8	23.6	20.0	23.0
15	23.2	17.2	19.0	25.0	17.8	18.2	2.6	19.6	26.0	19.4	25.6	20.4	24.6
16	26.6	17.2	18.8	25.0	18.0	18.6	3.6	19.4	26.0	20.0	25.2	20.8	24.2
17	25.4	16.6	18.8	26.6	18.4	18.4	2.9	19.8	25.8	20.0	25.4	21.8	24.8
18	27.2	15.4	17.8	26.8	17.0	18.2	3.3	18.8	26.6	19.4	25.8	19.8	24.8
19	27.6	16	19.0	27.8	16.8	18.8	3.6	20.0	27.0	20.8	26.2	21.0	25.8
20	28.2	13.8	16.8	26.8	16.0	18.6	3.6	19.4	28.8	20.0	26.8	20.4	26.0
21	27	16.6	18.8	27.2	18.0	19.2	3.6	19.6	29.8	20.0	28.0	20.6	27.0
22	28.4	14	20.0	28.2	17.6	19.0	3.2	19.8	29.8	20.2	28.0	21	27.6
23	29.6	10.6	14.6	28.2	13.0	18.4	3.3	20.0	29.6	20.6	28.6	21.6	27.6
24	29	11	16.2	27.4	15.6	18.8	3.2	18.8	30.0	19.6	28.6	20.8	28.0
25	28.6	13.4	14.0	26.6	13.8	18.2	3.5	19.0	29.8	19.8	28.4	20.6	28.2
26	27.8	12.8	16.8	27.8	15.6	18.6	3.1	19.0	30.6	19.4	29.4	20.0	28.0
27	28.2	12.6	14.0	28.0	12.8	18.0	3.5	18.8	30.0	19.0	28.8	19.4	27.4
28	29.2	14.4	17.2	26.8	15.4	17.8	4.1	19.0	29.6	19.4	28.0	20.0	27.0
29	27.6	14.4	16.0	26.6	15.6	17.8	3.7	18.6	29.8	19.0	28.8	19.8	27.6
30	27.4	14.8	15.4	26.2	14.2	17.2	3.6	18.8	29.6	18.0	18.6	18.0	27.8
31	26.6	12.8	14.8	25.8	14.4	17.6	3.3	18.0	29.0	18.8	28.8	19.2	27.6
Mean	27.2	14.7	17.7	26.4	16.4	18.4	3.3	19.7	28.3	20.3	26.9	20.9	26.4
Weekly mean													
Std.Week No: 49 (December 3 - December 9) No. of Days: 7													
Mean	27.2	16.4	19.7	26.8	18.0	18.8	3.2	20.5	28.7	21.3	27.7	22.0	26.7
Std.Week No: 50 (December 10 - December 16) No. of Days: 7													
Mean	25.3	14.6	17.4	24.3	16.1	18.4	2.8	19.9	26.2	20.5	25.4	21.1	24.8
Std.Week No: 51 (December 17 - December 23) No. of Days: 7													
Mean	27.6	14.7	18.0	27.4	16.7	18.7	3.4	19.6	28.2	20.1	27.0	20.9	26.2
Std.Week No: 52 (December 24 - December 31) No. of Days: 8													
Mean	28.1	13.3	15.6	26.9	14.7	18.0	3.5	18.8	29.8	19.1	27.4	19.7	27.7

PART- II

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

Month : December
Year : 2016

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm)	Pan
	Vap. Pr.		Rel. Hum.		Speed	Direction		SSH	Amount			Evap.
	(mm)	Hg.	%		(Km/day)				(Octas)		(mm)	(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	14.1	16.4	87	46	5.9	50	50	8.4	0	0	1.2	4.6
2	14.5	16.7	84	45	9.5	50	50	2.8	6	4	5.0	3.2
3	15.3	16.5	91	62	11.1	90	90	0	6	2	0.0	3.6
4	14.6	17.0	85	46	9.25	90	90	0	3	2	0.0	4.2
5	16.5	17.5	84	48	8.2	90	90	6.2	2	2	0.0	3.8
6	14.9	15.9	84	42	7.6	90	90	6.4	3	2	0.0	4.2
7	12.2	18.4	90	45	7.1	50	50	8.1	0	0	0.0	4.4
8	15.3	15.8	87	39	7.4	50	90	6.1	0	0	0.0	4.6
9	13.3	15.7	72	35	3.4	50	50	6.2	0	2	0.0	4.0
10	10.5	18.4	76	47	4.9	50	90	10	2	2	0.0	4.8
11	9.3	19.6	80	43	5.2	90	50	3.7	2	4	0.0	4.8
12	11.7	17.5	76	54	4.9	320	320	9.2	5	6	0.0	3.8
13	15.0	16.6	98	89	11.7	320	270	0	8	8	53.2	2.6
14	15.8	15.3	98	60	9	50	50	0	8	4	4.2	2.0
15	14.6	15.9	89	50	7.9	90	50	0	2	3	0.0	3.2
16	15.0	16.4	92	53	7.1	50	90	9.8	6	2	0.0	3.6
17	15.7	15.9	96	43	6.2	90	90	3.2	2	2	0.8	3.0
18	14.1	16.3	92	41	4.8	90	90	9.2	0	0	0.0	4.2
19	13.1	17.4	80	40	6	50	50	9.6	0	0	0.0	4.6
20	13.2	17.5	92	44	7.4	50	50	10	0	0	0.0	4.8
21	15.0	17.3	92	45	7	50	50	9.5	0	0	0.0	4.2
22	13.8	17.3	79	40	3.4	50	50	8.8	0	0	0.0	3.6
23	10.4	18.9	83	36	3.6	50	50	10.2	0	0	0.0	5.0
24	13.0	18.0	94	42	3.1	50	50	10.5	0	0	0.0	3.6
25	11.7	18.1	98	42	4.7	90	50	10	0	0	0.0	4.2
26	12.6	17.7	88	39	2.1	50	50	9	0	0	0.0	3.8
27	10.4	18.3	87	35	5	50	50	10	0	0	0.0	4.0
28	12.1	16.6	82	39	8.5	90	90	10.4	0	0	0.0	3.6
29	13.1	16.5	96	40	7.1	90	50	9.9	0	0	0.0	3.8
30	11.5	16.4	88	38	4.9	50	50	9.4	0	0	0.0	3.8
31	12.1	16.9	96	42	5.4	50	50	8.6	0	0	0.0	4.2
Mean	13.4	17.1	88	46	6.43	..	..	6.9	2	1	64.4	3.9
Weekly mean												
Std.Week No: 49 (December 3 - December 9) No. of Days: 7												
Mean	14.6	16.7	84.8	45.3	7.7	...	...	4.7	...	...	0.0	4.1
Std.Week No: 50 (December 10 - December 16) No. of Days: 7												
Mean	13.1	17.1	87.0	56.6	7.2	...	...	4.7	...	...	57.4	3.5
Std.Week No: 51 (December 17 - December 23) No. of Days: 7												
Mean	13.6	17.2	87.7	41.5	5.5	...	...	8.6	...	...	0.8	4.2
Std.Week No: 52 (December 24 - December 31) No. of Days: 8												
Mean	12.1	17.3	91.0	39.8	5.1	...	...	9.7	...	...	0.0	3.9

Note: Rainfall is in total

