

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

Month : November

Long : 77° 34' E

Year : 2020

Alt. : 924 m
 (amsl)

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	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	27.8	18.2	22.0	28.8	20.8	21.6	3.8	22.0	31.8	22.8	29.0	24.4	28.8	
2	30.0	18.6	22.4	28.0	21.0	21.4	4.3	22.6	29.6	24.0	28.8	25.4	27.8	
3	29.2	18.8	22.4	28.0	21.2	21.4	4.1	22.0	32.4	23.8	30.0	24.8	28.8	
4	29.0	18.2	21.2	27.0	20.4	21.6	4.1	22.4	32.4	23.8	30.0	25.0	28.6	
5	29.7	18.5	22.0	28.0	20.6	21.8	4.2	22.4	32.7	24.3	30.5	25.2	28.6	
6	28.6	19.2	22.0	27.2	20.8	21.4	3.8	21.8	28.0	22.0	27.6	23.4	26.0	
7	28.0	18.8	21.8	27.4	20.8	21.6	3.7	22.0	28.8	22.4	28.0	23.6	27.0	
8	27.8	19.0	22.0	26.0	20.8	21.0	3.6	22.2	31.0	22.8	28.8	23.0	28.0	
9	26.2	18.4	20.4	27.2	20.0	21.6	3.3	22.0	32.4	22.6	30.0	23.8	28.6	
10	27.6	15.0	18.8	26.8	18.0	21.4	4.1	22.2	32.0	23.4	30.0	25.4	28.8	
11	27.0	14.8	19.0	26.6	18.0	21.2	4.0	22.0	32.0	23.6	30.0	25.0	29.6	
12	27.0	18.0	21.0	26.4	20.6	21.4	3.6	21.8	32.4	23.0	30.6	24.8	29.8	
13	26.8	19.2	22.0	25.4	20.6	21.6	3.3	20.8	30.0	21.8	29.0	23.6	27.6	
14	26.0	18.6	20.8	26.6	20.0	21.4	3.2	22.0	27.8	23.8	27.0	24.0	26.8	
15	27.4	19.0	22.0	26.8	21.2	21.0	3.5	22.0	27.4	22.8	26.4	23.8	26.0	
16	27.4	17.6	20.4	25.0	20.0	20.8	3.7	21.4	27.6	22.0	26.0	23.4	25.8	
17	25.0	17.8	20.4	26.0	19.8	21.0	3.0	21.6	28.6	22.8	27.0	23.6	26.6	
18	26.2	18.0	20.8	26.4	20.2	20.8	3.3	21.8	28.4	22.4	27.0	23.8	26.8	
19	27.0	18.2	20.4	26.0	20.0	21.0	3.5	22.0	28.2	23.6	27.2	24.0	26.6	
20	26.8	17.6	19.0	27.0	18.4	21.2	3.5	22.0	28.4	23.8	28.0	23.8	26.4	
21	27.8	16.0	20.0	27.2	19.4	21.6	3.9	22.2	29.6	23.8	28.0	24.0	27.4	
22	28.0	14.0	21.8	27.2	20.6	21.2	4.2	22.6	28.8	23.8	27.0	24.4	26.2	
23	27.8	16.0	20.8	25.2	19.8	21.0	3.9	22.4	28.4	23.6	27.8	24.2	27.0	
24	25.6	17.0	19.8	25.0	19.6	21.6	3.3	22.0	29.2	23.6	28.0	24.0	26.6	
25	26.0	17.0	19.6	24.0	19.0	20.8	3.3	21.4	24.8	22.6	24.8	23.0	24.0	
26	24.0	16.8	19.0	24.0	18.6	20.6	2.9	21.6	24.4	22.0	24.2	23.0	24.0	
27	24.4	16.6	21.4	26.0	20.6	20.8	3.0	20.6	24.6	21.0	24.2	22.0	24.0	
28	26.8	16.6	21.0	24.0	20.2	20.4	3.6	21.0	24.8	22.0	24.0	22.4	24.0	
29	24.2	16.0	20.0	25.0	19.6	20.6	3.1	20.8	27.6	21.4	26.0	22.0	24.8	
30	25.0	18.0	20.2	24.6	19.8	20.8	2.9	20.8	29.0	21.8	27.0	22.8	26.6	
Mean	27.0	17.5	20.8	26.3	20.0	21.2	3.6	21.8	29.1	22.9	27.7	23.9	26.9	
Weekly Mean														
Std. Week No:45 (Nov. 5 - Nov. 11) No. of Days : 7														
Mean	27.8	17.7	20.9	27.0	19.9	21.4	3.8	22.1	31.0	23.0	29.3	24.2	28.1	
Std. Week No:46 (Nov.12 - Nov.18) No. of Days: 7														
Mean	26.5	18.3	21.1	26.1	20.3	21.1	3.4	21.6	28.9	22.7	27.6	23.9	27.1	
Std. Week No:47 (Nov .19 - Nov. 25) No. of Days: 7														
Mean	27.0	16.5	20.2	25.9	19.5	21.2	3.6	22.1	28.2	23.5	27.3	23.9	26.3	
Std. Week No:48 (Nov. 26 - Dec.2) No. of Days: 7														
Mean	24.9	16.8	20.3	24.7	19.8	20.6	3.1	21.0	26.1	21.6	25.1	22.4	24.7	

PART II

Time of
Observation :I---> 0700 Hours
LMT = 0720 IST
II---> 1400 Hours
LMT = 1420 ISTMonth :
November
Year :
2020

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	0830	0830
	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	LMT	IST	IST
1	17.8	15.4	90	52	3.0	45	45	3.0	0	0	0.0	4.2
2	17.9	15.5	88	55	3.2	45	45	8.4	0	0	0.0	4.0
3	18.2	15.5	90	55	2.3	90	90	6.2	0	0	0.0	4.2
4	17.5	16.4	93	61	4.8	140	140	9.0	3	2	0.0	3.8
5	17.4	16.1	88	57	4.5	140	140	10.6	3	2	0.0	3.8
6	17.8	15.9	90	59	6.1	90	90	9.2	2	3	42.0	4.2
7	17.9	16.1	91	59	7.3	90	45	9.7	2	2	0.0	4.0
8	17.8	15.9	90	63	8.2	45	45	9.3	0	2	0.0	3.8
9	17.3	16.2	96	60	8.1	45	45	7.0	0	0	0.0	4.2
10	15.0	16.1	92	61	5.5	90	45	9.6	0	0	0.0	4.8
11	14.9	15.9	91	61	3.7	45	45	10.4	0	0	0.0	3.8
12	18.0	16.3	96	63	6.0	45	45	4.6	2	3	0.0	3.6
13	17.4	17.2	88	71	7.5	90	90	1.5	4	3	5.0	3.2
14	17.1	16.2	93	62	7.9	90	90	4.6	3	3	3.2	3.6
15	18.4	15.4	93	58	7.9	90	90	0.4	2	3	0.0	3.6
16	17.3	16.1	96	68	8.0	90	90	0.4	4	3	2.6	3.0
17	17.0	15.9	95	63	8.4	90	140	1.0	3	2	5.2	3.4
18	17.4	15.3	95	59	8.7	90	90	1.0	3	3	0.0	3.8
19	17.3	15.9	96	63	8.5	90	90	3.0	3	2	0.0	3.6
20	15.5	15.7	94	59	8.4	90	90	2.4	2	2	0.0	4.0
21	16.6	16.2	94	60	4.8	90	45	9.2	0	2	0.0	4.2
22	17.5	15.6	90	58	4.4	45	45	10.9	2	2	0.0	4.4
23	16.8	16.3	91	68	4.5	90	45	7.4	2	3	0.0	4.6
24	17.0	17.5	98	74	9.4	45	45	9.2	6	4	0.0	3.8
25	16.1	16.7	94	74	9.0	45	45	4.1	6	8	0.0	2.6
26	15.9	16.3	96	73	11.5	45	270	0.8	8	6	1.2	2.0
27	17.8	15.5	93	62	5.4	270	320	0.0	3	6	15.8	1.8
28	17.3	16.0	93	71	4.5	320	45	2.2	3	3	0.0	2.4
29	16.9	15.8	96	66	5.8	45	45	0.4	8	4	0.0	2.6
30	17.1	16.3	96	70	5.8	90	90	3.8	6	3	1.4	3.0
Mean	17.1	19.5	93	63	6.4	..	..	5.3	3	3	76.4	3.6
Weekly Mean												
Std. Week No:45 (Nov. 5 - Nov. 11) No. of Days : 7												
Mean	16.6	16.1	91	60	6.2	..	..	9.4	1	1	42.0	4.1
Std. Week No:46 (Nov.12 - Nov.18) No. of Days: 7												
Mean	17.5	15.8	94	64	7.8	..	..	1.9	3	3	16.0	3.5
Std. Week No:47 (Nov .19 - Nov. 25) No. of Days: 7												
Mean	16.8	16.4	94	65	7.0	..	..	6.6	3	3	0.0	3.9
Std. Week No:48 (Nov. 26 - Dec.2) No. of Days: 7												
Mean	17.0	16.0	95	69	6.6	..	..	1.4	6	4	18.4	2.4

Note : Rainfall is in total