

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 : 2021

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	27.4	18.4	22.2	26.4	20.4	21.8	3.7	21.4	27.4	22.2	26.8	23.0	26.4	
2	26.4	18.6	22.4	26.0	21.4	21.6	3.4	21.8	28.0	22.0	27.0	22.8	26.2	
3	26.2	17.4	21.4	27.2	20.2	21.4	3.6	21.6	27.8	22.4	26.6	23.0	26.0	
4	27.6	18.0	22.6	26.8	21.0	21.4	3.8	21.8	27.8	22.8	26.0	23.6	25.8	
5	27.2	17.6	22.6	25.4	21.0	21.2	3.7	21.4	26.6	22.0	25.8	23.2	25.0	
6	25.4	18.0	21.4	26.4	20.8	21.2	3.2	21.6	26.8	22.0	25.6	23.0	25.4	
7	26.4	16.8	20.4	26.6	19.6	21.0	3.6	21.4	27.6	22.0	26.0	22.4	25.2	
8	27.8	16.6	20.8	24.6	19.8	21.2	4.0	21.0	26.0	22.4	24.6	23.0	24.0	
9	24.6	16.6	19.8	24.8	19.0	20.8	3.2	20.8	25.6	21.6	25.0	22.4	24.8	
10	25.4	17.6	19.8	23.0	18.0	19.6	3.3	20.4	24.6	22.0	23.8	22.8	23.0	
11	23.2	16.0	18.0	19.8	17.6	17.0	3.0	20.0	23.0	20.8	21.8	21.6	21.0	
12	19.8	14.6	18.0	21.0	17.8	20.6	2.4	20.0	22.8	20.6	21.8	21.0	21.4	
13	21.0	16.6	21.0	23.8	20.4	20.8	2.3	19.8	22.4	20.4	21.6	21.0	21.4	
14	25.2	16.4	21.2	24.0	20.4	21.0	3.4	20.0	22.8	20.8	22.0	21.0	21.6	
15	25.2	16.8	21.2	23.4	20.4	20.8	3.3	20.2	23.4	21.0	22.6	21.6	21.8	
16	27.2	17.6	21.2	26.0	20.4	21.0	3.6	20.0	23.8	20.8	23.0	22.0	22.0	
17	27.6	17.4	21.6	26.8	20.6	21.2	3.7	20.2	24.0	21.0	23.0	21.8	22.4	
18	28.0	18.0	21.4	22.0	20.6	19.8	3.7	20.4	21.0	20.8	22.2	21.6	23.6	
19	22.2	17.8	20.4	22.2	20.0	20.6	2.3	20.6	22.8	21.4	20.0	21.8	21.6	
20	22.6	17.6	20.8	24.0	20.6	20.8	2.4	20.6	23.8	22.0	23.2	23.4	23.0	
21	24.8	16.8	20.6	28.2	19.8	21.0	3.1	20.6	22.6	21.2	23.0	22.0	23.2	
22	29.2	17.4	21.6	28.8	20.6	21.6	4.0	20.2	26.8	21.0	25.0	21.2	24.8	
23	30.0	17.8	22.6	28.8	21.4	21.4	4.2	22.6	26.8	23.0	26.0	23.2	25.4	
24	29.0	17.8	22.8	27.0	20.8	21.6	3.9	20.6	27.4	21.8	26.6	23.0	24.6	
25	27.6	18.0	22.0	26.0	20.8	21.4	3.6	20.6	27.0	21.6	26.4	22.8	26.0	
26	26.8	17.4	22.0	26.4	20.8	21.0	3.5	20.8	26.8	21.4	26.6	22.8	26.4	
27	27.0	17.6	21.6	23.4	20.8	20.6	3.5	20.4	25.8	21.6	24.6	22.6	23.4	
28	23.4	17.6	20.8	24.8	20.0	20.8	2.6	20.2	24.6	20.6	24.0	21.2	23.0	
29	25.0	17.2	20.2	26.0	20.0	21.0	3.1	20.0	26.0	20.6	24.8	21.6	24.0	
30	26.8	18.0	21.0	26.2	20.4	21.2	3.4	20.4	27.2	21.0	26.0	21.2	24.4	
Mean	25.9	17.3	21.1	25.2	20.2	20.9	3.3	20.7	25.3	21.5	24.4	22.3	23.9	
Weekly Mean														
Std. Week No:45 (Nov. 5 - Nov. 11) No. of Days : 7														
Mean	25.7	17.0	20.4	24.4	19.4	20.3	3.4	20.9	25.7	21.8	24.7	22.6	24.1	
Std. Week No:46 (Nov.12 - Nov.18) No. of Days: 7														
Mean	24.9	16.8	20.8	23.9	20.1	20.7	3.2	20.1	22.9	20.8	22.3	21.4	22.0	
Std. Week No:47 (Nov .19 - Nov. 25) No. of Days: 7														
Mean	26.5	17.6	21.5	26.4	20.6	21.2	3.4	20.8	25.3	21.7	24.3	22.5	24.1	
Std. Week No:48 (Nov. 26 - Dec.2) No. of Days: 7														
Mean	25.8	17.6	21.1	25.4	20.4	20.9	3.4	20.4	26.1	21.0	25.2	21.9	24.2	

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : November

Year : 2021

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)			
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/hr)	Direction									
	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	17.0	20.4	85	66	6.7	45	45	5.6	3	6	3.8	3.4			
2	18.6	19.5	91	67	7.4	90	90	2.6	8	4	0.0	3.6			
3	17.1	19.8	89	59	6.2	90	90	2.0	6	4	0.4	3.4			
4	17.8	19.3	86	61	3.4	90	45	2.6	6	4	0.0	3.6			
5	17.8	19.0	86	68	4.5	45	45	3.0	6	4	8.6	3.2			
6	18.1	19.1	95	62	2.7	45	45	0.1	6	4	12.2	3.0			
7	16.7	19.4	93	60	4.5	90	45	4.8	8	6	0.2	2.8			
8	16.8	19.7	91	73	6.5	45	45	0.1	8	4	0.0	2.6			
9	16.0	19.4	93	69	3.8	45	45	0.0	8	4	4.2	2.0			
10	14.5	18.0	84	72	6.4	45	45	2.4	4	6	0.0	2.2			
11	14.9	14.2	96	75	5.4	45	45	0.0	8	8	3.2	1.6			
12	15.2	19.7	98	96	9.4	45	45	0.0	8	6	14.6	1.4			
13	17.6	18.6	95	76	2.1	45	45	0.0	8	6	14.2	1.8			
14	17.5	19.0	93	76	1.7	45	45	0.1	8	6	12.2	2.2			
15	17.5	18.6	93	79	2.6	230	45	0.2	6	6	35.6	2.0			
16	17.5	19.0	93	63	1.0	45	140	1.9	8	6	45.6	2.2			
17	17.6	19.2	91	60	3.6	140	45	2.0	6	6	2.2	2.4			
18	17.8	16.9	93	81	3.4	45	45	4.0	8	8	2.6	2.2			
19	17.3	18.5	96	86	3.3	45	45	0.0	8	8	72.0	1.8			
20	18.1	18.5	98	74	4.2	230	45	0.0	8	8	3.8	1.4			
21	16.9	19.3	93	51	3.4	320	45	0.0	6	8	4.0	1.6			
22	17.6	19.9	91	52	1.5	320	45	1.9	6	6	123.8	1.2			
23	18.4	19.1	90	51	4.3	45	45	1.2	6	6	1.4	2.2			
24	17.3	19.8	83	61	5.0	45	45	9.6	6	4	0.0	2.6			
25	17.8	19.4	90	66	5.8	45	45	6.4	4	6	2.8	3.2			
26	17.8	18.8	90	61	9.3	45	45	6.6	2	4	0.0	3.6			
27	18.0	18.1	93	77	8.5	45	45	2.8	8	6	0.0	2.4			
28	17.1	18.9	93	69	9.3	45	140	0.0	8	6	0.0	2.0			
29	17.4	19.2	98	63	8.4	140	140	0.0	8	8	0.0	2.2			
30	17.6	19.3	95	63	6.4	140	140	0.1	8	6	0.0	2.0			
Mean	17.2	18.9	92	68	5.0	..	..	2.0	7	6	367.4	2.4	
Weekly mean															
Std. Week No:45 (Nov. 5 - Nov. 11) No. of Days : 7															
Mean	16.4	18.4	91	68	4.8	..	..	1.5	7	5	28.4	2.5	
Std. Week No:46 (Nov.12 - Nov.18) No. of Days: 7															
Mean	17.3	18.7	94	76	3.4	..	..	1.2	7	6	127.0	2.0	
Std. Week No:47 (Nov .19 - Nov. 25) No. of Days: 7															
Mean	17.6	19.2	92	63	3.9	..	..	2.7	6	7	207.8	2.0	
Std. Week No:48 (Nov. 26 - Dec.2) No. of Days: 7															
Mean	17.6	18.8	94	67	8.4	..	..	1.9	7	6	0.0	2.4	