

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: January
Year : 2022

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		0700	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT	LMT
1	24.0	13.4	19.0	26.6	18.0	20.8	3.3	20.2	29.4	22.0	27.8	23.0	26.6	
2	27.6	15.4	17.8	26.2	16.6	20.4	3.8	21.4	29.6	22.8	28.8	23.4	26.2	
3	27.0	14.4	17.8	25.4	16.4	20.2	3.8	21.8	29.4	22.8	27.8	23.6	26.6	
4	25.8	14.0	18.4	25.2	16.8	20.0	3.6	21.4	30.2	22.0	27.8	23.6	26.3	
5	25.4	13.0	16.6	25.2	15.6	20.2	3.6	21.0	30.0	22.0	27.6	23.2	26.6	
6	25.6	14.6	18.8	26.6	16.8	20.6	3.5	21.2	31.2	22.2	28.4	23.0	27.2	
7	27.0	16.4	19.0	26.8	17.8	20.8	3.6	21.6	30.6	22.8	28.8	23.4	28.0	
8	27.8	17.0	20.2	26.0	19.2	20.2	3.7	21.0	30.2	22.4	29.0	24.0	28.2	
9	27.0	16.8	19.0	25.0	18.2	20.0	3.6	20.0	29.4	21.2	28.0	23.0	26.6	
10	26.8	15.0	19.8	26.0	18.2	19.8	3.8	20.2	30.0	22.2	28.4	23.8	26.0	
11	26.2	15.2	19.2	29.2	18.0	21.2	3.6	20.0	30.2	21.2	29.0	22.0	26.2	
12	29.8	18.4	20.2	27.4	18.2	21.0	4.0	21.6	30.2	23.0	28.4	24.2	26.0	
13	28.2	17.2	19.0	26.8	17.0	19.4	3.8	21.0	30.0	23.0	29.2	25.2	26.0	
14	29.0	16.0	19.0	27.8	17.2	20.8	4.1	20.0	31.6	22.0	30.0	24.0	28.8	
15	28.8	17.0	21.6	27.4	18.8	21.6	4.0	21.4	30.8	22.4	27.8	23.6	27.0	
16	28.4	18.0	19.8	26.4	18.0	20.2	3.8	21.6	30.4	22.6	28.8	23.8	27.6	
17	27.0	14.0	19.8	27.0	16.8	20.6	4.0	21.8	30.2	22.8	28.4	23.4	27.8	
18	27.4	14.8	17.0	26.2	15.0	20.4	4.0	21.6	30.0	22.4	28.6	23.0	27.4	
19	26.4	14.6	19.0	26.4	17.4	20.6	3.8	21.0	31.0	21.4	28.3	22.6	27.8	
20	26.6	11.0	18.8	26.8	16.4	20.8	4.2	21.0	31.4	21.4	29.0	22.0	28.0	
21	28.0	12.2	19.4	28.0	17.2	21.0	4.4	21.6	31.8	22.8	30.0	23.4	28.8	
22	29.8	12.6	19.2	28.2	17.4	20.8	4.7	21.8	32.0	22.6	30.4	23.8	28.4	
23	29.8	11.8	18.2	27.8	16.6	20.4	4.8	21.8	31.4	22.8	30.3	23.6	28.6	
24	29.4	12.3	19.0	27.8	17.0	20.6	4.7	21.6	31.6	22.0	29.8	22.4	28.4	
25	28.2	12.6	19.0	27.6	16.8	20.2	4.4	21.8	31.4	22.4	29.8	23.0	28.0	
26	27.8	13.2	19.6	27.0	18.0	20.4	4.3	21.6	30.8	22.4	28.0	23.8	27.8	
27	27.6	14.6	19.8	25.2	18.2	20.8	4.1	21.6	31.4	22.8	28.4	23.4	28.0	
28	25.2	16.4	20.6	25.4	18.2	20.2	3.4	21.8	29.8	22.8	29.2	23.0	28.4	
29	25.6	15.6	19.4	25.8	17.2	20.2	3.6	21.6	29.8	22.6	28.2	23.4	27.6	
30	25.8	15.4	19.6	27.8	17.0	20.8	3.7	21.4	31.8	22.0	28.8	23.4	27.2	
31	28.4	16.0	19.8	27.2	17.0	20.6	4.2	21.8	29.8	22.6	28.8	23.8	27.6	
Mean	27.3	14.8	19.1	26.7	17.3	20.5	3.9	21.3	30.6	22.3	28.8	23.4	27.4	
Weekly mean														
Std.Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7														
Mean	26.1	14.5	18.2	26.0	16.9	20.4	3.6	21.2	30.1	22.4	28.1	23.3	26.8	
Std.Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7														
Mean	27.8	16.5	19.5	26.9	18.0	20.3	3.8	20.5	30.2	22.1	28.9	23.7	26.8	
Std.Week No: 3 (Jan. 15 - Jan.21) No. of Days: 7														
Mean	27.5	14.5	19.3	26.9	17.1	20.7	4.0	21.4	30.8	22.3	28.7	23.1	27.8	
Std.Week No: 4 (Jan.22 - Jan. 28) No. of Days: 7														
Mean	28.3	13.4	19.3	27.0	17.5	20.5	4.3	21.7	31.2	22.5	29.4	23.3	28.2	

PART II

Time of Observation:

I--> 0700 Hours LMT = 0720 IST

II--> 1400 Hours LMT = 1420 IST

Month: January

Year : 2022

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	14.9	15.2	91	58	8.7	90	45	0.5	0	3	0.6	2.2			
2	13.5	14.8	88	58	8.4	45	45	3.6	3	3	0.0	4.0			
3	13.2	14.9	86	61	8.0	45	45	9.5	3	3	0.0	4.2			
4	13.5	14.7	85	61	4.8	90	90	7.4	0	0	0.0	4.4			
5	12.7	15.0	90	62	6.7	90	90	8.8	0	0	0.0	4.0			
6	13.2	14.9	81	57	3.7	90	45	8.0	0	0	0.0	3.8			
7	14.6	15.1	89	57	5.4	140	45	8.8	0	2	0.0	4.0			
8	16.1	14.5	91	58	6.1	140	140	7.2	0	0	0.0	3.8			
9	15.2	14.8	92	62	4.8	140	140	5.7	0	0	0.0	3.4			
10	14.8	13.9	85	55	3.4	90	140	7.1	0	0	0.0	3.6			
11	14.8	14.4	89	48	4.8	140	140	7.5	0	2	0.0	3.4			
12	14.6	15.1	82	55	4.8	140	270	8.7	2	2	0.0	3.6			
13	13.4	12.8	82	48	3.8	270	230	8.6	2	2	0.0	4.6			
14	13.7	14.5	83	52	2.9	230	45	8.8	2	2	0.0	4.0			
15	14.7	16.1	76	59	2.5	45	45	9.7	2	2	0.0	4.0			
16	14.5	14.3	84	55	4.9	45	45	8.7	4	0	0.0	4.2			
17	12.7	14.7	73	55	9.4	45	45	7.9	3	2	0.0	3.8			
18	11.7	14.8	80	58	7.7	90	45	8.7	6	2	0.0	4.4			
19	14.0	15.0	85	58	4.5	45	45	7.3	0	0	0.0	5.6			
20	12.7	15.1	78	57	3.6	45	140	9.0	0	0	0.0	4.4			
21	13.5	14.8	80	52	2.5	140	230	9.6	0	0	0.0	4.2			
22	13.9	14.3	83	50	4.2	230	140	9.7	0	0	0.0	4.6			
23	13.3	13.9	85	50	2.6	140	140	10.2	0	0	0.0	4.8			
24	13.4	14.2	82	51	2.4	140	45	10.5	0	0	0.0	4.4			
25	13.1	13.7	80	49	2.4	45	45	10.0	0	2	0.0	4.6			
26	14.6	14.3	85	54	3.2	45	140	9.6	2	3	0.0	4.4			
27	14.8	16.0	85	66	3.1	140	90	8.5	6	2	0.0	4.2			
28	14.4	14.9	79	61	8.3	90	90	2.3	2	0	0.0	3.4			
29	13.5	14.7	80	59	9.1	90	90	6.2	6	3	0.0	3.8			
30	13.1	14.5	77	52	5.7	90	90	3.1	2	2	0.0	4.4			
31	13.0	14.5	75	54	3.4	90	90	9.3	2	2	0.0	3.8			
Mean	13.8	14.7	83	56	5.0	..	..	7.8	2	1	0.6	4.1	
Weekly mean															
Std.Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7															
Mean	13.7	14.9	87	59	6.5	..	..	6.7	1	2	0.6	3.8	
Std.Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7															
Mean	14.7	14.3	86	54	4.4	..	..	7.7	1	1	0.0	3.8	
Std.Week No: 3 (Jan.15 - Jan.21) No. of Days: 7															
Mean	13.4	15.0	79	56	5.0	..	..	8.7	2	1	0.0	4.4	
Std.Week No: 4 (Jan.22 - Jan.28) No. of Days: 7															
Mean	13.9	14.5	83	54	3.7	..	..	8.7	1	1	0.0	4.3	