

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 : 2021

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	28.6	15.2	17.2	25.0	16.6	20.6	4.0	21.0	28.0	22.0	26.8	22.6	26.0
2	25.4	14.8	17.0	25.0	16.6	20.4	3.4	21.0	28.2	22.0	27.0	23.2	26.6
3	25.2	15.0	17.2	25.4	16.4	20.2	3.4	20.6	28.0	21.6	26.6	22.0	26.0
4	26.0	16.0	17.4	22.6	16.2	20.0	3.4	20.8	27.0	21.4	26.8	22.4	26.2
5	22.8	16.0	19.6	25.0	18.6	20.2	2.7	20.0	27.8	20.6	27.0	21.4	26.6
6	26.0	17.4	20.0	24.8	19.4	20.0	3.3	20.8	26.6	21.0	25.0	22.0	24.8
7	25.0	16.8	19.0	24.4	18.6	20.2	3.1	19.8	26.4	21.0	25.0	21.4	24.6
8	24.8	16.8	19.0	25.8	18.8	20.6	3.1	20.0	27.0	20.8	26.0	21.2	25.6
9	26.6	18.4	20.4	24.0	19.8	20.4	3.3	20.2	28.0	21.0	27.0	21.4	26.6
10	24.2	17.8	20.4	26.4	19.0	20.8	2.8	20.6	28.0	21.6	27.4	22.4	27.0
11	26.8	16.8	19.4	24.8	19.0	20.6	3.5	21.0	28.4	21.6	27.8	20.0	27.0
12	25.0	16.6	19.0	24.0	18.4	20.8	3.2	21.4	28.2	22.0	27.0	22.6	26.8
13	24.5	16.0	19.2	26.8	17.6	20.8	3.2	20.0	28.2	20.4	27.0	21.0	26.8
14	27.2	15.0	19.2	25.0	18.6	20.4	3.9	21.8	28.0	22.0	26.8	23.4	26.0
15	25.0	16.6	18.8	27.0	18.0	20.4	3.2	21.6	28.0	22.4	27.0	23.0	26.4
16	27.4	16.0	18.8	27.2	17.6	20.2	3.8	21.4	28.4	22.4	27.6	23.0	27.0
17	27.6	18.0	19.0	27.8	17.6	20.8	3.6	20.8	29.6	21.0	28.0	21.8	27.6
18	28.8	14.6	18.0	27.0	16.8	20.6	4.3	21.6	29.4	22.4	28.2	22.6	27.6
19	28.0	16.0	18.0	26.0	16.4	20.8	4.0	20.0	29.0	21.8	27.2	22.0	26.0
20	27.6	15.6	16.0	28.0	15.2	22.0	4.0	19.0	30.0	20.2	28.5	21.0	27.0
21	29.0	15.8	18.0	29.0	17.0	20.2	4.2	20.0	30.0	21.0	28.2	21.8	27.2
22	29.2	18.0	20.0	28.0	18.2	21.0	4.0	21.0	30.2	22.4	28.4	23.6	26.0
23	29.0	18.2	18.8	28.0	17.0	21.0	4.0	20.2	30.8	21.4	30.0	22.0	28.8
24	29.8	16.6	18.4	27.0	16.8	20.8	4.4	21.4	30.4	21.8	28.6	22.8	27.8
25	28.8	13.0	18.0	28.6	16.6	20.6	4.5	21.8	30.0	22.4	28.4	23.2	27.4
26	30.4	13.8	18.6	28.0	16.8	20.8	4.8	21.4	30.6	22.2	29.0	23.4	27.8
27	29.0	12.8	16.4	27.8	15.2	20.6	4.6	21.6	31.0	22.0	30.0	23.0	28.8
28	28.8	13.8	16.8	27.0	16.0	20.8	4.5	21.4	31.2	22.4	29.8	23.0	28.6
29	27.0	14.6	18.8	27.8	16.8	20.6	4.0	21.6	31.8	22.4	30.4	23.2	29.2
30	28.2	16.0	19.0	27.8	18.0	20.4	4.2	21.8	31.6	22.0	30.2	22.6	29.2
31	28.0	15.8	18.0	28.2	16.0	20.0	4.1	20.2	31.0	21.4	29.0	22.0	28.0
Mean	27.1	15.9	18.5	26.4	17.4	20.6	3.8	20.8	29.1	21.6	27.8	22.3	27.0
Weekly mean													
Std. Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7													
Mean	25.6	15.9	18.2	24.6	17.5	20.2	3.3	20.6	27.4	21.4	26.3	22.1	25.8
Std. Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7													
Mean	25.6	16.8	19.5	25.3	18.7	20.6	3.3	20.7	28.0	21.3	27.0	21.7	26.5
Std. Week No: 3 (Jan. 15 - Jan.21) No. of Days: 7													
Mean	27.6	16.1	18.1	27.4	16.9	20.7	3.9	20.6	29.2	21.6	27.8	22.2	27.0
Std. Week No: 4 (Jan.22 - Jan. 28) No. of Days: 7													
Mean	29.3	15.2	18.1	27.8	16.7	20.8	4.4	21.3	30.6	22.1	29.2	23.0	27.9

PART II

Time of Observation:

Month: January

I---> 0700 Hours LMT = 0720 IST

Year : 2021

II---> 1400 Hours LMT = 1420 IST

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	13.8	15.8	94	66	9.3	90	45	2.8	2	3	0	3.2
2	13.9	15.4	96	65	8.2	45	45	8.4	4	3	0	3.4
3	13.5	14.9	92	61	8.9	45	90	3.4	5	3	0	3.2
4	13.2	16.1	88	78	9.1	90	90	5.2	6	6	0	3.0
5	15.5	15.1	91	64	5.2	90	90	0.3	8	4	0	2.0
6	16.6	14.9	94	63	8.6	90	90	1.3	6	4	0	2.2
7	15.9	15.4	96	67	5.6	90	140	0.0	8	6	11.4	1.8
8	16.2	15.3	98	61	7.5	140	45	0.0	6	4	0	2.0
9	17.0	16.0	95	71	7.0	140	90	0.0	6	4	0	3.0
10	15.7	15.3	87	59	6.3	90	90	0.1	6	3	0	3.2
11	16.3	15.9	96	68	5.7	90	45	4.4	0	3	0	3.4
12	15.5	16.7	94	74	8.3	45	45	0.8	3	2	0	4.0
13	14.2	15.1	85	57	8.2	90	45	0.6	0	3	0	3.6
14	15.7	15.4	94	65	7.0	45	45	7.9	6	2	0	3.8
15	15.0	14.3	92	54	4.6	45	45	7.0	2	3	0	3.6
16	14.4	13.9	89	51	5.3	45	45	7.1	3	2	0	3.0
17	14.3	14.5	87	52	6.0	45	45	8.7	3	3	0	3.6
18	13.7	14.7	88	55	5.8	45	45	7.7	2	2	0	3.8
19	13.1	15.5	85	62	8.0	45	90	10.2	2	2	0	3.4
20	12.5	16.5	92	58	4.0	90	45	9.8	2	0	0	3.6
21	14.0	12.9	90	43	2.2	90	45	9.7	2	0	0	4.2
22	14.7	14.8	84	52	2.5	90	45	9.3	2	0	0	3.6
23	13.5	14.8	83	52	5.2	90	45	7.4	2	2	0	3.8
24	13.5	15.0	85	56	5.6	45	45	9.4	2	2	0	4.0
25	13.4	13.8	87	47	3.6	90	90	9.8	0	2	0	4.2
26	13.4	14.4	83	51	4.3	90	90	9.4	0	2	0	3.8
27	12.3	14.2	88	51	4.2	90	90	10.4	0	0	0	4.0
28	13.2	15.0	92	56	7.4	90	90	9.6	0	2	0	4.4
29	13.2	14.2	81	51	6.5	140	45	9.7	0	0	0	4.6
30	14.9	13.9	91	50	7.5	45	90	8.5	0	0	0	4.8
31	12.5	13.0	81	45	6.8	90	45	9.2	0	0	0	4.2
Mean	14.3	14.9	90	58	6.3	..	..	6.1	3	2	11.4	3.5
Weekly mean												
Std. Week No: (1 Jan. 1 - Jan. 7) No. of Days: 7												
Mean	14.6	15.4	93	66	7.8	..	..	3.1	6	4	1.6	2.7
Std. Week No: 2 (Jan. 8 - Jan.14) No. of Days: 7												
Mean	15.8	15.7	93	65	7.1	..	..	2.0	4	3	0.0	3.3
Std. Week No: 3 (Jan.15 - Jan.21) No. of Days: 7												
Mean	13.9	14.6	89	53	5.1	..	..	8.6	2	2	0.0	3.6
Std. Week No: 4 (Jan.22 - Jan.28) No. of Days: 7												
Mean	13.4	14.6	86	52	4.7	..	..	9.3	1	1	0.0	4.0