

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: March
Year: 2025

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5cm	10cm	10cm	20cm	20cm
	0700	1400	0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		LMT	LMT	LMT	LMT	LMT	LMT
1	31.6	17.8	20.6	30.0	19.0	19.4	5.2	22.0	36.2	23.4	34.0	26.0	31.0
2	31.0	18.0	21.0	30.4	19.0	20.8	5.0	21.2	35.2	24.0	33.0	25.0	30.0
3	31.2	17.2	20.6	31.6	19.0	20.8	5.2	22.0	35.2	24.0	34.0	26.0	33.0
4	32.0	18.8	21.0	31.8	19.0	21.0	5.2	22.0	37.2	24.0	35.0	25.0	31.6
5	32.2	18.4	21.8	32.0	20.0	21.4	5.3	21.0	36.4	23.0	34.0	24.0	30.0
6	33.0	18.6	20.8	31.0	19.2	21.0	5.5	22.0	37.0	23.0	34.8	25.0	31.0
7	32.8	18.8	21.6	32.2	20.0	21.4	5.5	21.2	37.4	23.0	35.2	25.2	31.8
8	33.0	18.0	21.0	30.0	19.8	19.4	5.6	22.0	36.2	24.2	33.0	26.0	30.2
9	32.8	18.8	20.8	31.0	19.2	20.8	5.5	23.0	36.2	24.5	34.0	25.0	31.0
10	33.2	19.0	19.4	30.6	17.8	21.2	5.6	23.2	37.2	25.0	33.8	26.2	31.2
11	32.2	18.4	19.2	29.8	18.0	20.8	5.4	22.4	35.4	24.0	33.0	26.2	31.0
12	32.0	19.4	20.6	31.6	19.0	22.4	5.2	23.0	37.4	25.2	34.6	26.2	31.4
13	32.2	18.4	20.2	32.0	18.2	22.0	5.4	22.4	39.8	24.2	36.0	26.0	32.0
14	33.0	18.6	19.6	32.4	18.0	21.6	5.6	23.2	38.6	25.2	35.4	26.0	32.0
15	34.4	17.2	19.0	32.6	17.6	21.8	6.2	23.0	38.0	25.2	35.0	26.6	32.4
16	34.0	18.2	19.0	32.2	17.2	21.8	6.0	23.2	36.2	26.0	33.4	26.8	30.0
17	34.0	20.2	24.0	33.6	21.8	23.0	5.7	25.4	39.8	27.0	36.8	28.4	33.0
18	34.2	20.6	23.6	34.2	21.2	22.8	5.7	24.0	38.2	27.2	35.2	29.0	32.4
19	35.0	21.6	24.2	32.6	22.0	20.8	5.8	23.2	40.0	26.0	36.0	28.2	33.2
20	34.2	21.4	23.8	33.0	21.8	21.8	5.6	24.2	39.0	26.2	36.2	27.0	32.4
21	34.0	21.2	23.0	31.2	21.2	21.0	5.6	23.2	38.2	26.2	35.2	28.0	31.6
22	33.8	21.4	23.2	32.8	21.8	22.4	5.5	24.2	39.4	26.0	36.0	28.2	32.4
23	33.4	18.0	21.2	29.4	20.2	22.0	5.9	23.2	32.0	24.0	30.4	26.0	28.4
24	30.6	21.0	23.6	30.2	21.4	21.6	4.7	24.2	35.0	25.6	32.4	27.0	30.0
25	32.0	20.4	24.0	30.4	21.4	20.0	5.2	23.2	37.0	24.0	34.8	26.0	31.6
26	33.0	20.8	24.2	33.0	22.2	21.8	5.4	22.0	37.4	24.6	35.0	26.7	32.0
27	34.0	21.0	24.4	32.0	21.6	20.8	5.7	22.4	39.4	25.0	36.6	27.0	32.6
28	33.2	21.2	24.0	33.2	21.8	21.2	5.5	21.2	38.4	24.0	35.0	26.2	32.0
29	34.0	19.4	23.4	32.6	21.4	21.6	6.0	22.4	37.2	25.0	35.0	27.0	34.2
30	34.0	21.0	24.0	33.0	21.8	21.8	5.7	23.0	39.0	24.6	36.4	26.8	32.2
31	34.4	21.6	24.2	32.0	22.4	21.8	5.8	22.4	38.2	25.0	35.2	27.0	31.0
Mean	33.0	19.5	22.0	31.8	20.1	21.4	4.1	22.7	37.3	24.8	34.7	26.4	31.6
Weekly mean													
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7													
Mean	32.7	18.6	20.7	30.9	19.1	20.9	5.5	22.1	36.5	23.8	34.0	25.4	30.9
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7													
Mean	33.4	18.9	20.9	32.7	19.0	22.2	5.7	23.5	38.3	25.7	35.2	27.0	31.9
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7													
Mean	33.3	20.7	23.3	31.4	21.4	21.4	5.5	23.6	37.2	25.4	34.4	27.2	31.4
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7													
Mean	33.8	20.8	24.0	32.6	21.9	21.5	5.6	22.2	38.3	24.7	35.5	26.8	32.3

PART II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: March

Year: 2025

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	15.6	11.0	86	35	8.6	90	45	9.2	0	0	0	8.0	
2	15.4	13.1	82	40	6.2	90	45	10.2	0	0	0	7.2	
3	15.6	12.4	86	36	7.0	90	45	10.3	0	0	0	7.8	
4	15.4	12.7	82	36	5.4	90	90	6.8	0	0	0	8.2	
5	16.5	13.2	84	37	5.9	90	90	6.9	0	0	0	7.6	
6	15.8	13.1	86	39	3.8	180	45	7.4	0	0	0	8.6	
7	16.7	13.1	86	36	3.0	90	140	8.5	0	0	0	8.0	
8	16.7	11.0	89	35	3.2	90	140	9.4	0	0	0	8.2	
9	15.8	12.8	86	38	3.0	90	140	9.2	0	0	0	8.0	
10	14.4	13.7	85	42	6.3	90	140	8.7	0	0	0	7.8	
11	14.8	13.4	89	43	8.0	90	140	9.0	0	0	0	7.4	
12	15.6	15.2	86	44	10.4	90	140	8.0	0	0	0	8.4	
13	14.6	14.3	82	40	7.5	90	90	8.5	0	0	0	7.8	
14	14.6	13.4	85	37	4.7	90	45	8.9	0	0	0	8.4	
15	14.3	13.6	87	37	6.5	180	140	8.5	0	0	0	8.6	
16	13.7	13.8	83	38	4.7	270	140	9.2	0	0	0	8.8	
17	18.4	15.2	82	39	6.2	270	230	9.3	0	0	0	8.2	
18	17.6	14.5	80	36	7.5	270	230	8.1	0	0	0	8.0	
19	18.6	11.9	82	32	4.5	270	45	9.3	0	0	0	8.4	
20	18.5	13.4	84	35	6.5	270	45	9.0	0	0	0	7.8	
21	17.9	13.0	85	38	7.9	180	140	9.3	0	0	0	8.6	
22	18.8	14.5	88	39	4.3	270	140	9.0	0	0	0	8.2	
23	17.2	15.7	91	51	10.8	180	90	8.2	0	0	22.2	7.0	
24	17.9	14.6	82	45	3.7	320	140	7.8	0	0	0	7.8	
25	17.7	11.8	79	36	4.4	180	45	8.6	0	0	0	6.8	
26	19.0	13.4	84	35	4.5	270	45	8.4	0	0	0	7.0	
27	17.8	12.2	78	34	4.6	230	90	9.2	0	0	0	7.8	
28	18.4	12.2	82	32	3.0	270	45	7.2	0	0	0	7.0	
29	18.0	13.2	83	36	4.4	180	45	8.8	0	0	0	6.6	
30	18.4	13.4	82	35	4.9	90	180	9.4	0	0	0	6.2	
31	19.3	13.9	85	39	3.2	140	90	8.6	0	0	0	9.0	
Mean	16.7	13.3	84	38	5.6	..	..	8.7	0.0	0.0	22.2	7.8	
Weekly mean													
Std. Week No:10 (Mar 5 - Mar 11) No. of Days: 7													
Mean	15.8	12.9	86	38	4.7	...	...	8.4	0.0	0.0	0.0	7.9	
Std. Week No:11 (Mar 12 - Mar 18) No. of Days: 7													
Mean	15.5	14.3	84	39	6.8	...	...	8.6	0.0	0.0	0.0	8.3	
Std. Week No:12 (Mar 19 - Mar 25) No. of Days: 7													
Mean	18.1	13.6	84	40	6.0	...	...	8.7	0.0	0.0	3.2	7.8	
Std. Week No:13 (Mar 26 - Apr 1) No. of Days: 7													
Mean	18.5	13.2	82	35	4.1	...	..	8.6	0.0	0.0	0.0	7.3	

Note: Rainfall is in total