

**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**

**Month : August**  
**Year : 2022**

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10 cm	10 cm	20 cm	20 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	31.2	18.6	22.0	28.8	20.8	21.0	5.4	21.4	27.8	22.0	26.6	23.4	26.0
2	29.2	18.2	21.8	27.0	21.0	20.8	4.9	21.0	28.8	23.4	27.4	23.6	27.8
3	29.8	19.6	21.8	27.0	21.0	21.6	4.8	22.6	29.0	23.4	27.8	24.0	27.4
4	27.2	19.8	22.6	23.8	21.2	21.4	4.0	21.8	26.6	22.8	26.0	23.6	25.0
5	25.0	19.4	21.4	24.0	20.8	21.0	3.4	21.6	25.6	22.0	25.0	22.8	25.0
6	25.8	18.0	21.2	25.4	20.4	21.2	4.0	21.4	26.0	22.0	25.6	24.8	24.8
7	25.4	18.6	21.2	26.0	20.8	21.4	3.7	21.0	25.8	22.6	25.8	24.8	25.0
8	26.6	18.2	21.6	24.2	20.8	21.0	4.2	21.2	25.6	21.8	25.0	22.0	25.0
9	24.4	18.2	21.4	26.0	20.6	21.4	3.5	21.0	27.6	22.0	26.0	22.6	25.4
10	26.8	18.6	21.6	26.2	20.8	21.6	4.1	21.4	28.6	22.2	27.0	23.0	26.6
11	26.4	18.8	22.0	25.8	20.8	20.8	4.0	21.8	27.8	22.4	26.6	23.6	26.6
12	26.0	18.6	21.8	26.2	20.4	21.4	3.9	21.6	27.0	22.6	26.8	23.0	26.2
13	27.6	20.8	21.6	27.2	20.8	21.0	3.9	21.4	28.0	22.0	27.4	22.4	26.8
14	27.6	18.2	21.4	27.0	19.2	20.8	4.4	22.2	28.4	23.0	27.0	23.4	26.8
15	27.4	18.2	21.8	26.6	19.8	21.8	4.4	22.0	28.8	23.6	27.6	24.0	26.8
16	27.6	18.8	22.6	27.6	21.8	21.6	4.3	22.4	29.6	23.6	28.0	24.0	27.4
17	28.0	18.0	21.8	28.4	21.0	21.8	4.6	22.8	32.0	23.8	30.0	24.4	28.8
18	29.8	19.4	22.4	27.8	21.6	21.4	4.9	22.6	31.0	23.0	29.0	23.8	27.8
19	29.0	19.2	21.6	27.0	20.4	21.6	4.7	22.0	31.2	23.2	29.2	23.6	28.8
20	27.2	18.0	21.8	27.2	20.8	21.6	4.4	21.8	30.0	22.4	28.8	24.0	27.8
21	28.2	18.6	21.8	27.0	20.2	21.6	4.5	21.6	30.8	22.6	29.6	24.0	28.6
22	27.8	19.2	21.8	27.2	20.6	21.4	4.3	21.6	30.6	22.4	29.4	23.6	28.4
23	27.6	19.2	22.0	27.8	20.8	21.2	4.2	21.4	30.0	22.0	29.0	22.4	28.2
24	28.2	19.2	21.6	28.0	20.8	21.0	4.4	21.0	31.6	22.0	30.0	23.8	28.8
25	28.4	19.8	21.8	26.4	20.6	21.2	4.4	21.2	26.6	21.8	26.0	22.6	25.8
26	26.8	19.2	21.2	26.6	20.8	21.0	4.0	21.0	27.6	22.0	26.6	22.4	26.0
27	27.0	17.0	21.6	26.2	20.4	20.8	4.5	21.0	27.0	21.8	26.4	22.4	26.0
28	26.6	16.8	19.8	26.4	19.2	21.2	4.4	21.2	26.6	22.0	26.0	22.8	25.8
29	27.0	17.2	21.8	26.8	20.8	20.8	4.4	21.4	28.6	22.2	26.6	23.0	25.8
30	27.6	18.0	21.6	26.8	20.6	21.8	4.4	21.0	27.8	21.6	26.6	22.4	26.0
31	27.2	18.2	22.0	27.0	21.4	21.6	4.3	21.2	28.4	22.0	27.0	22.6	26.6
Mean	27.4	18.6	21.7	26.6	20.7	21.3	4.3	21.6	28.4	22.5	27.3	23.3	26.7
<b>Std. Week No: 32 (August 6- August 12) No. of Days: 7</b>													
Mean	25.9	18.4	21.5	25.7	20.7	21.3	3.9	21.3	26.9	22.2	26.1	23.4	25.7
<b>Std. Week No: 33 (August 13 -August 19) No. of Days: 7</b>													
Mean	28.1	18.9	21.9	27.4	20.7	21.4	4.5	22.2	29.9	23.2	28.3	23.7	27.6
<b>Std. Week No: 34 ( August 20 - August 26) No. of Days: 7</b>													
Mean	27.7	19.0	21.7	27.2	20.7	21.3	4.3	21.4	29.6	22.2	28.5	23.3	27.7
<b>Std. Week No:35 (August 27 - Sept. 02 ) No. of Days: 7</b>													
Mean	27.1	17.4	21.4	26.6	20.5	21.2	4.3	21.2	27.7	21.9	26.5	22.6	26.0

**PART- II**

Time of Observation:

Month : August

I---> 0700 Hours LMT = 0720 IST

Year : 2022

II---> 1400 Hours LMT = 1420 IST

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	17.8	14.3	90	48	3.1	320	230	5.8	6	3	1.0	3.2
2	18.2	15.0	93	56	5.0	230	270	6.8	0	4	12.6	3.0
3	18.2	16.4	93	61	3.4	270	320	4.9	6	3	42.4	2.8
4	18.1	17.8	88	80	2.3	320	230	2.8	6	6	0.4	3.0
5	18.1	17.0	95	76	5.1	230	230	0.3	8	6	13.8	2.6
6	17.5	16.6	93	68	8.9	230	230	1.0	8	6	4.2	2.4
7	18.2	16.6	96	66	7.6	230	230	0.7	8	6	4.0	2.2
8	18.0	16.9	93	75	8.8	230	230	0.2	8	6	1.2	2.0
9	17.8	16.6	93	66	9.8	230	230	0.0	6	4	0.0	3.2
10	18.0	16.8	93	66	10.5	230	230	4.9	6	4	0.0	3.6
11	17.8	15.7	90	63	9.7	230	230	7.3	3	3	0.0	3.8
12	17.2	16.5	88	65	8.8	230	230	6.4	6	0	0.0	4.0
13	18.0	15.2	93	56	8.4	270	230	4.8	4	4	0.0	3.6
14	15.5	15.0	81	56	8.0	230	230	5.9	4	3	0.0	4.2
15	16.2	16.9	83	65	5.1	230	230	0.1	6	6	0.0	3.4
16	19.1	16.0	93	58	3.5	230	230	5.5	3	3	0.0	4.0
17	18.2	15.9	93	55	2.6	270	270	9.9	2	3	0.0	4.2
18	18.9	15.6	93	56	4.3	270	270	9.2	8	3	0.0	4.0
19	17.3	16.4	89	61	4.7	270	270	6.1	8	6	0.0	3.8
20	17.9	16.2	91	60	5.9	270	270	1.2	6	3	0.0	3.8
21	16.9	16.4	86	61	5.5	270	270	5.1	4	3	0.0	4.2
24	17.5	15.9	90	59	6.2	230	230	5.7	6	4	0.0	3.8
23	17.8	15.2	90	54	5.0	230	230	4.8	6	4	6.8	3.2
24	18.0	14.8	93	52	6.8	320	320	6.3	8	6	0.0	3.8
25	17.5	16.0	90	62	5.1	320	320	2.9	8	6	11.0	2.8
26	18.2	15.5	96	60	5.1	320	320	1.8	8	4	20.2	2.6
27	17.3	15.4	89	61	4.2	270	270	2.7	6	6	25.4	2.4
28	16.4	16.0	94	62	4.4	270	270	4.0	8	6	7.0	2.6
29	17.9	15.1	91	57	3.7	320	360	3.8	8	4	0.0	3.0
30	17.6	16.8	91	64	2.2	45	45	0.6	6	3	56.4	2.4
31	18.8	16.4	95	61	3.5	45	45	4.8	6	3	5.0	3.0
<b>Mean</b>	<b>17.7</b>	<b>16.0</b>	<b>91</b>	<b>62</b>	<b>5.7</b>	<b>..</b>	<b>..</b>	<b>4.1</b>	<b>6</b>	<b>4</b>	<b>211.4</b>	<b>3.2</b>
<b>Std. Week No: 32 (August 6 - August 12) No. of Days: 7</b>												
<b>Mean</b>	<b>17.8</b>	<b>16.5</b>	<b>92</b>	<b>67</b>	<b>9.2</b>	<b>..</b>	<b>..</b>	<b>2.9</b>	<b>6.4</b>	<b>4.1</b>	<b>9.4</b>	<b>3.0</b>
<b>Std. Week No: 33 (August 13 - August 19) No. of Days: 7</b>												
<b>Mean</b>	<b>17.6</b>	<b>15.9</b>	<b>89</b>	<b>58</b>	<b>5.2</b>	<b>..</b>	<b>..</b>	<b>5.9</b>	<b>5.0</b>	<b>4.0</b>	<b>0.0</b>	<b>3.9</b>
<b>Std. Week No: 34 ( August 20 - August 26) No. of Days: 7</b>												
<b>Mean</b>	<b>17.7</b>	<b>15.7</b>	<b>91</b>	<b>58</b>	<b>5.7</b>	<b>..</b>	<b>..</b>	<b>4.0</b>	<b>6.6</b>	<b>4.3</b>	<b>38.0</b>	<b>3.5</b>
<b>Std. Week No: 35 ( August 27 - Sept.02 ) No. of Days: 7</b>												
<b>Mean</b>	<b>17.6</b>	<b>15.9</b>	<b>92</b>	<b>61</b>	<b>3.6</b>	<b>..</b>	<b>..</b>	<b>3.2</b>	<b>6.8</b>	<b>4.4</b>	<b>93.8</b>	<b>2.7</b>