

**AICRP on Agrometeorology**  
**University of Agricultural Sciences, GKVK, Bangalore-560 065**  
**Meteorological Observation at GKVK, Bangalore**

**PART- I**

**District: Bengaluru**

**Lat : 13° 05' N**

**Month: February**

**State : Karnataka**

**Long: 77° 34' E**

**Year : 2022**

**Alt.: 924 m (amsl)**

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	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT		IST	LMT	LMT	LMT	LMT	LMT
1	28.4	16.6	20.4	27.8	18.6	20.2	4.1	21.6	29.6	22.8	28.2	23.6	27.0
2	29.0	15.0	19.2	28.6	18.0	20.4	4.5	21.4	30.0	22.6	28.0	23.8	27.0
3	29.6	16.2	20.6	27.8	17.8	20.2	4.5	21.6	30.2	22.4	27.8	23.0	27.6
4	28.8	14.8	19.0	29.4	17.2	21.0	4.5	21.4	31.6	22.4	29.8	23.6	29.2
5	30.0	13.8	20.0	28.8	18.0	21.2	4.8	21.8	31.8	22.8	30.0	23.0	28.6
6	29.8	18.2	20.0	29.0	18.6	21.0	4.3	22.0	32.4	22.8	30.4	24.0	29.0
7	30.0	17.0	20.2	28.0	18.4	20.2	4.5	22.2	31.8	23.0	29.6	24.4	29.0
8	28.6	15.0	18.8	27.6	17.2	20.0	4.5	22.0	31.6	23.0	30.8	23.8	30.2
9	28.4	15.4	19.8	27.2	17.6	19.8	4.4	22.0	31.0	22.8	30.0	23.2	29.6
10	28.0	14.8	18.8	27.8	16.4	20.0	4.4	21.8	32.4	22.2	30.8	23.0	29.8
11	28.4	14.0	17.0	27.8	14.6	20.2	4.6	21.0	32.0	22.0	31.0	23.4	29.0
12	29.0	15.2	19.6	28.0	17.0	20.4	4.6	21.4	31.8	22.2	30.8	23.6	29.6
13	28.4	15.4	18.8	27.8	16.8	20.0	4.4	21.6	31.8	22.0	30.0	23.4	29.0
14	28.2	15.2	19.0	28.0	16.8	20.2	4.4	21.6	33.0	22.4	29.8	23.8	29.0
15	28.4	16.8	20.2	27.2	18.0	18.0	4.3	21.8	31.6	22.8	29.6	23.4	29.0
16	27.8	15.8	19.0	27.8	17.2	20.0	4.3	21.6	32.8	22.6	30.8	23.2	29.0
17	28.2	16.4	19.4	28.8	17.2	20.0	4.3	21.8	32.8	22.6	31.6	24.0	29.0
18	30.2	15.0	19.0	28.0	16.2	19.6	5.0	21.6	31.8	22.2	29.8	23.8	29.0
19	29.0	14.8	18.2	29.0	16.6	20.0	4.7	21.4	32.0	22.6	31.2	24.0	29.8
20	29.4	17.8	20.2	29.2	18.8	20.4	4.5	21.8	32.4	22.8	31.2	24.0	29.6
21	31.0	18.0	21.8	29.0	19.8	20.2	4.9	22.0	31.6	23.8	29.2	24.6	28.4
22	30.0	18.2	20.2	29.2	18.2	21.2	4.6	22.0	31.2	23.4	30.0	24.0	29.2
23	30.2	17.0	19.2	28.2	17.4	18.0	4.8	22.2	32.0	23.0	30.2	24.2	29.8
24	30.0	16.2	19.8	29.2	18.2	18.6	4.9	21.2	32.2	22.2	30.0	23.0	29.2
25	31.0	16.0	19.2	29.8	18.0	17.0	5.2	21.2	33.0	22.6	30.0	23.2	29.8
26	30.2	15.8	18.6	30.0	17.2	19.8	5.0	21.2	32.8	22.0	31.0	23.4	30.0
27	30.2	16.2	19.8	30.0	18.2	19.8	5.0	22.0	32.0	23.2	31.2	24.2	30.0
28	30.2	16.0	19.2	30.4	18.0	19.0	5.0	22.0	32.2	23.0	31.0	24.0	30.2
<b>Mean</b>	<b>29.3</b>	<b>16.0</b>	<b>19.5</b>	<b>28.6</b>	<b>17.6</b>	<b>19.9</b>	<b>3.6</b>	<b>21.7</b>	<b>31.8</b>	<b>22.7</b>	<b>30.1</b>	<b>23.7</b>	<b>29.1</b>
<b>Std. Week No: 6 ( Feb 5 - Feb 11) No. of Days: 7</b>													
<b>Mean</b>	29.0	15.5	19.2	28.0	17.3	20.3	4.5	21.8	31.9	22.7	30.4	23.5	29.3
<b>Std. Week No:7 ( Feb12 - Feb 18) No. of Days: 7</b>													
<b>Mean</b>	28.6	15.7	19.3	27.9	17.0	19.7	4.5	21.6	32.2	22.4	30.3	23.6	29.1
<b>Std. Week No: 8 ( Feb 19 - Feb 25) No. of Days: 7</b>													
<b>Mean</b>	30.1	16.9	19.8	29.1	18.1	19.3	4.8	21.7	32.1	22.9	30.3	23.9	29.4

**PART II**

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : February

Year : 2022

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. (mm)	Pr. Hg.	Rel. Hum. %		Speed (Km/day)	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	15.1	13.5	84	48	5.0	90	90	8.1	2.0	0.0	0	4.4
2	14.8	13.4	89	46	1.9	45	90	8.6	0.0	0.0	0	4.0
3	13.7	13.5	76	48	4.0	90	90	8.7	0.0	0.0	0	4.2
4	13.7	14.0	83	46	1.3	140	45	5.8	0.0	0.0	0	3.0
5	14.4	14.7	82	49	3.7	45	45	10.0	0.0	2.0	0	4.4
6	15.3	14.2	87	47	5.0	90	140	9.3	6.0	2.0	0	4.2
7	14.9	13.4	84	47	5.9	140	45	7.1	0.0	2.0	0	4.0
8	13.8	13.3	85	48	4.0	45	45	6.0	2.0	2.0	0	4.2
9	13.9	13.2	80	49	6.5	45	90	7.2	0.0	0.0	0	4.0
10	12.7	13.2	78	47	8.6	90	90	8.7	0.0	0.0	0	3.8
11	11.1	13.5	77	48	5.5	45	45	10.0	0.0	2.0	0	3.8
12	13.1	13.8	77	49	9.8	90	90	10.6	0.0	0.0	0	4.4
13	13.2	13.2	81	47	7.1	90	90	8.8	0.0	0.0	0	4.0
14	13.1	13.4	80	47	5.7	se	90	8.9	0.0	0.0	0	4.2
15	14.3	10.4	80	38	6.1	90	45	8.5	0.0	2.0	0	4.6
16	13.7	13.2	83	47	5.5	90	90	6.5	0.0	2.0	0	4.8
17	13.5	12.7	80	43	6.0	90	90	7.7	0.0	0.0	0	4.2
18	12.3	12.5	74	44	7.5	90	90	8.4	0.0	0.0	0	4.6
19	13.3	12.6	85	42	9.5	90	90	9.1	0.0	0.0	0	4.8
20	15.5	13.1	87	43	2.7	90	90	9.8	0.0	0.0	0	4.8
21	16.2	12.9	83	43	6.9	90	90	9.2	0.0	0.0	0	4.8
22	14.6	14.4	82	48	3.3	90	90	8.8	0.0	0.0	0	4.6
23	13.9	9.9	83	34	7.3	90	90	7.5	0.0	0.0	0	4.4
24	14.8	10.2	85	34	9.5	90	90	9.8	0.0	0.0	0	5.2
25	14.8	7.5	89	24	6.4	90	90	9.9	0.0	0.0	0	5.2
26	13.9	11.7	87	37	7.4	90	90	10.5	0.0	0.0	0	5.6
27	14.8	11.7	85	37	8.8	90	90	10.4	0.0	0.0	0	5.4
28	14.8	10.2	89	31	6.1	90	90	10.0	0.0	0.0	0	5.6
<b>Mean</b>	<b>14.0</b>	<b>12.6</b>	<b>83</b>	<b>43</b>	<b>6.0</b>	<b>..</b>	<b>..</b>	<b>8.7</b>	<b>0.4</b>	<b>0.5</b>	<b>0.0</b>	<b>4.5</b>
<b>Std. Week No: 6 ( Feb 5 - Feb 11) No. of Days: 7</b>												
<b>Mean</b>	13.7	13.7	81.8	48.1	5.6			8.3	1.1	1.4	0.0	4.1
<b>Std. Week No:7 ( Feb12 - Feb 18) No. of Days: 7</b>												
<b>Mean</b>	13.3	12.7	79.4	45.1	6.8			8.5	0.0	0.6	0.0	4.4
<b>Std. Week No: 8 ( Feb 19 - Feb 25) No. of Days: 7</b>												
<b>Mean</b>	14.7	11.5	84.9	38.2	6.5			9.2	0.0	0.0	0.0	4.8