

**University of Agricultural Sciences, GKV, Bangalore-560 065**

Meteorological Observation at GKV, Bangalore

**PART- I**

**District: Bengaluru**      **Lat : 13° 05' N**      **Month: February**

**State : Karnataka**      **Long: 77° 34' E**      **Year : 2018**

**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
	<b>0700</b>	<b>1400</b>	<b>0700</b>	<b>1400</b>	<b>0700</b>	<b>1400</b>	<b>0830</b>	<b>0700</b>	<b>1400</b>	<b>0700</b>	<b>1400</b>	<b>0700</b>	<b>1400</b>
	<b>LMT</b>	<b>LMT</b>	<b>LMT</b>	<b>LMT</b>	<b>LMT</b>	<b>LMT</b>	<b>IST</b>	<b>LMT</b>	<b>LMT</b>	<b>LMT</b>	<b>LMT</b>	<b>LMT</b>	<b>LMT</b>
1	28.0	7.8	18.0	28.0	16.6	20.6	2.6	20.6	32.0	22.0	30.2	22.8	28.8
2	28.2	12.2	18.0	27.8	16.4	20.0	3.1	20.6	31.8	21.8	30.0	22.4	28.0
3	28.4	13.2	17.6	27.4	15.8	20.4	3.4	20.6	32.0	21.2	30.6	22.6	28.0
4	27.8	12.2	16.8	27.0	15.0	20.0	3.2	20.2	31.6	22.0	30.0	23.0	28.6
5	27.2	10.8	15.4	27.8	14.0	20.8	3.0	19.8	32.0	21.0	30.8	22.6	28.4
6	28.6	15.6	19.0	28.8	17.2	20.8	3.6	20.6	33.4	21.8	30.6	23.0	28.8
7	29.6	19.2	21.2	27.8	20.0	20.8	3.8	21.0	31.1	22.6	30.0	23.2	28.2
8	28.4	18.0	19.4	27.6	18.0	21.0	3.1	21.0	31.8	21.8	30.0	22.6	28.0
9	28.6	16.6	20.8	28.8	19.4	21.2	2.8	20.8	31.6	22.0	30.6	23.2	28.0
10	30.2	18.0	20.4	28.8	20.0	21.0	3.3	20.6	32.0	21.2	30.4	22.4	29.2
11	30.2	16.6	18.8	28.0	17.2	20.6	3.7	20.0	31.6	21.0	29.8	22.6	28.0
12	29.2	16.6	19.4	28.0	17.8	20.0	3.9	20.8	32.4	21.6	30.2	22.8	28.6
13	28.8	18.6	18.8	27.8	17.0	20.2	4.0	20.0	32.0	21.6	30.0	23.0	28.2
14	29.0	16.8	18.0	28.0	16.8	20.8	3.8	20.8	32.4	21.6	30.2	22.8	28.2
15	28.8	16.0	17.4	28.0	16.0	20.6	4.0	21.0	32.8	22.4	30.2	22.8	28.6
16	29.0	16.8	19.8	28.6	17.8	20.8	3.9	21.2	32.0	22.8	30.6	23.0	28.4
17	29.8	14.6	16.4	28.8	15.0	21.0	3.6	21.6	32.4	21.8	30.8	22.8	28.8
18	29.8	15.2	19.8	29.0	18.0	21.2	3.5	20.8	33.0	22.0	31.0	23.0	28.6
19	30.2	15.4	20.0	29.6	18.4	20.6	4.0	20.6	32.8	21.8	30.8	23.0	29.0
20	30.2	15.4	20.0	29.0	18.6	21.0	3.9	20.6	32.6	22.0	30.8	23.4	29.0
21	30.2	13.8	18.8	28.8	17.2	20.6	3.9	21.0	32.6	22.2	30.8	23.0	29.2
22	30.0	15.4	19.0	30.0	16.8	21.2	4.0	21.0	33.2	22.4	30.8	23.0	28.8
23	31.8	15.8	18.0	28.8	15.4	20.8	4.4	21.4	32.8	22.0	30.0	22.8	28.4
24	29.4	14.0	14.8	29.0	14.0	21.2	3.9	20.6	33.6	21.8	30.8	22.8	29.0
25	30.0	15.4	19.0	28.8	18.2	21.0	4.0	21.4	33.8	22.6	32.0	23.4	30.6
26	30.2	15.6	20.0	29.0	18.4	21.0	4.1	20.8	33.0	21.6	31.0	22.6	28.6
27	30.8	15.8	19.8	30.0	18.6	20.8	4.0	20.6	33.2	22.4	30.2	23.0	28.8
28	31.4	16.0	20.4	30.2	18.8	21.2	4.2	20.8	32.8	22.0	30.0	23.6	28.4
<b>Mean</b>	<b>29.4</b>	<b>15.3</b>	<b>18.7</b>	<b>28.5</b>	<b>17.2</b>	<b>20.8</b>	<b>3.7</b>	<b>20.7</b>	<b>32.4</b>	<b>21.9</b>	<b>30.5</b>	<b>22.9</b>	<b>28.6</b>
<b>Std.Week No: 6 ( Feb 5 - Feb 11) No. of Days: 7</b>													
<b>Mean</b>	29.0	16.4	19.3	28.2	18.0	20.9	3.3	20.5	31.9	21.6	30.3	22.8	28.4
<b>Std.Week No:7 ( Feb12 - Feb 18) No. of Days: 7</b>													
<b>Mean</b>	29.2	16.4	18.5	28.3	16.9	20.7	3.8	20.9	32.4	22.0	30.4	22.9	28.5
<b>Std.Week No: 8 ( Feb 19 - Feb 25) No. of Days: 7</b>													
<b>Mean</b>	30.3	15.0	18.5	29.1	16.9	20.9	4.0	20.9	33.1	22.1	30.9	23.1	29.1

**PART II**

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month : February

Year : 2018

Date	Humidity				Mean Wind			Bright	Cloud		Rainfall (mm)	Pan
	Vap. Pr.	Rel. Hum.	Speed (Km/day)	Direction	SSH	Amount (Octas)	Evap. (mm)					
	(mm) Hg.	%										
	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	13.4	20.4	87	50	5.7	50	90	9.5	0	0	0.0	4.6
2	13.1	19.5	85	47	4.9	90	140	10.6	0	0	0.0	4.8
3	12.5	20.5	83	52	7.9	140	90	10.5	0	0	0.0	4.8
4	11.8	20.3	82	51	7.1	90	50	10.5	0	0	0.0	5.2
5	11.2	22.2	86	52	5.7	50	90	10.8	0	0	0.0	3.8
6	13.7	20.4	83	47	7.4	90	140	10.6	0	0	0.0	5.4
7	16.9	18.9	89	52	6.6	140	90	9.2	0	2	0.0	5.6
8	14.7	20.3	87	54	6.8	90	140	2.5	3	0	0.0	4.6
9	16.1	19.9	88	49	3.5	140	320	3.8	0	3	0.0	5.2
10	17.3	19.2	96	48	3.5	320	140	6.5	4	0	3.0	4.6
11	13.8	20.1	85	50	6.8	140	140	8.5	2	0	0.0	5.0
12	14.4	18.8	85	46	10.3	140	140	8.9	0	0	0.0	5.2
13	13.5	19.5	83	48	8.7	140	140	9.2	0	2	0.0	4.8
14	13.7	20.6	88	51	8.3	140	90	9.3	2	0	0.0	5.0
15	12.9	20.7	86	50	10.5	90	90	10.0	3	0	0.0	5.4
16	14.2	20.1	82	48	9.3	50	50	9.8	0	2	0.0	5.2
17	12.0	22.0	86	48	4.9	50	140	10.8	2	0	0.0	5.6
18	14.5	20.7	84	48	5.4	140	90	9.2	0	0	0.0	5.8
19	15.0	19.4	85	42	8.9	90	90	10.7	0	0	0.0	6.2
20	15.3	20.0	87	47	8.6	90	50	10.6	0	0	0.0	6.2
21	13.8	20.1	85	46	8.9	50	50	10.6	0	0	0.0	6.4
22	13.1	21.3	80	44	8.7	320	270	10.4	0	0	0.0	6.2
23	11.7	21.4	76	47	9.1	270	90	11.0	0	0	0.0	7.2
24	11.6	22.9	91	48	9.2	90	90	10.6	0	0	0.0	7.8
25	15.2	20.2	92	48	9.2	90	90	10.5	0	0	0.0	7.8
26	15.0	20.1	85	47	9.2	90	90	10.6	0	0	0.0	8.2
27	15.4	19.6	89	42	6.4	90	90	11.0	0	0	0.0	8.2
28	15.4	20.2	86	43	8.2	90	90	10.8	0	0	0.0	7.8
<b>Mean</b>	<b>14.0</b>	<b>20.3</b>	<b>86</b>	<b>48</b>	<b>7.5</b>	<b>..</b>	<b>..</b>	<b>9.5</b>	<b>1</b>	<b>0</b>	<b>3.0</b>	<b>5.8</b>
<b>Std.Week No: 6 ( Feb 5 - Feb 11) No. of Days: 7</b>												
<b>Mean</b>	14.8	20.1	87.7	50.4	5.8			7.4	1.3	0.7	3.0	4.9
<b>Std.Week No:7 ( Feb12 - Feb 18) No. of Days: 7</b>												
<b>Mean</b>	13.6	20.3	85.0	48.6	8.2			9.6	1.0	0.6	0.0	5.3
<b>Std.Week No: 8 ( Feb 19 - Feb 25) No. of Days: 7</b>												
<b>Mean</b>	13.7	20.8	85.3	46.2	8.9			10.6	0.0	0.0	0.0	6.8