

**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 : November  
 Year : 2022

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	LMT
1	27.2	16.6	22.2	26.6	20.8	21.0	2.0	21.8	30.0	22.2	28.0	23.0	27.0
2	27.0	16.8	21.8	24.0	20.8	20.0	3.8	21.6	26.8	22.0	24.8	22.8	23.8
3	24.0	16.0	20.0	25.0	19.8	20.8	4.3	20.8	24.6	21.0	24.0	22.4	24.0
4	25.4	16.6	20.8	26.2	20.0	21.0	3.9	20.4	25.8	20.8	24.6	22.0	24.0
5	26.4	16.8	20.8	26.8	19.8	20.8	4.6	20.8	27.8	21.6	26.6	22.0	26.0
6	27.2	17.4	19.8	26.2	18.4	20.2	5.4	21.6	27.6	22.0	26.4	23.4	26.0
7	26.4	16.0	20.8	26.6	19.4	20.4	5.7	21.4	29.0	22.2	27.8	23.0	26.4
8	26.8	14.8	21.2	26.8	19.0	20.2	5.9	21.2	29.6	22.0	28.0	23.4	27.0
9	27.2	15.6	20.4	26.0	18.6	20.0	6.2	21.6	29.8	22.2	27.8	23.0	27.2
10	26.4	15.0	20.2	26.2	18.8	21.0	5.6	20.6	30.0	21.4	28.8	22.0	27.8
11	26.8	17.4	21.8	26.2	20.0	20.4	5.3	21.6	29.4	22.8	27.0	24.0	26.6
12	27.0	18.0	20.8	20.0	19.8	19.6	4.7	21.0	23.8	21.8	23.0	22.0	23.0
13	22.2	16.0	20.0	23.4	19.6	20.8	4.6	21.4	26.4	22.0	25.4	23.0	24.0
14	23.6	16.6	21.0	26.4	19.8	20.6	4.5	21.6	26.6	22.0	25.8	23.0	25.0
15	2.0	16.8	20.0	26.0	18.6	21.0	4.6	21.0	26.8	22.6	26.0	23.0	25.4
16	26.6	17.0	20.2	26.4	19.4	20.0	4.8	21.0	29.0	21.8	27.4	22.4	26.6
17	27.0	15.6	19.6	26.2	18.4	19.8	4.9	21.2	30.0	21.6	28.8	22.0	27.8
18	26.4	12.4	20.0	26.0	16.6	19.6	4.9	21.4	29.8	22.0	28.6	22.6	27.4
19	26.2	13.8	19.4	25.2	16.4	19.6	4.9	21.0	29.6	21.8	28.0	22.4	27.2
20	25.4	12.6	18.8	25.0	16.4	19.6	4.6	21.8	30.0	22.0	28.6	23.0	28.0
21	25.4	10.6	19.0	26.0	16.0	18.0	4.5	20.0	29.8	20.6	28.6	21.6	27.0
22	26.8	18.8	20.2	22.4	19.0	18.6	4.5	21.6	27.0	22.0	26.0	22.8	25.4
23	22.6	19.4	21.2	23.4	19.6	19.6	4.7	21.4	26.0	22.0	25.4	22.6	24.0
24	24.0	20.0	20.8	23.4	20.6	20.4	4.9	20.8	26.2	21.4	25.2	22.0	24.4
25	23.8	18.0	20.0	26.0	19.0	20.6	4.9	20.6	26.0	21.2	25.6	22.0	25.0
26	26.8	18.0	21.2	26.2	19.6	20.4	4.7	20.8	27.6	21.6	26.0	21.8	25.8
27	26.8	19.4	20.4	26.2	19.2	20.8	4.5	21.8	27.8	22.0	26.6	23.0	26.0
28	27.0	20.0	21.6	27.0	20.4	20.6	4.5	21.8	29.0	22.2	27.8	23.4	27.0
29	27.6	19.4	21.0	26.2	19.8	20.4	4.5	21.6	28.6	22.0	27.8	23.4	27.4
30	26.8	16.4	19.0	25.2	18.0	19.8	4.2	21.4	28.4	21.8	27.0	22.4	26.6
<b>Mean</b>	<b>25.2</b>	<b>16.6</b>	<b>20.5</b>	<b>25.4</b>	<b>19.1</b>	<b>20.2</b>	<b>2.7</b>	<b>21.2</b>	<b>28.0</b>	<b>21.8</b>	<b>26.7</b>	<b>22.6</b>	<b>26.0</b>
<b>Weekly Mean</b>													
<b>Std. Week No:45 ( Nov. 5 - Nov. 11) No. of Days : 7</b>													
<b>Mean</b>	26.7	16.1	20.7	26.4	19.1	20.4	5.5	21.3	29.0	22.0	27.5	23.0	26.7
<b>Std. Week No:46 ( Nov.12 - Nov.18) No. of Days: 7</b>													
<b>Mean</b>	22.1	16.1	20.2	24.9	18.9	20.2	4.7	21.2	27.5	22.0	26.4	22.6	25.6
<b>Std. Week No:47 ( Nov .19 - Nov. 25) No. of Days: 7</b>													
<b>Mean</b>	24.9	16.2	19.9	24.5	18.1	19.5	4.7	21.0	27.8	21.6	26.8	22.3	25.9
<b>Std. Week No:48 ( Nov. 26 - Dec.2) No. of Days: 7</b>													
<b>Mean</b>	27.0	18.6	20.6	26.2	19.4	20.4	4.5	21.5	28.3	21.9	27.0	22.8	26.6

**PART II**

Time of Observation :

Month : November

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/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	17.6	15.5	88	60	5.1	45	45	8.2	3	3	0.0	3.8
2	17.9	15.3	91	68	5.9	45	45	0.8	4	4	1.8	3.2
3	17.2	16.1	98	68	6.1	45	45	0.3	8	4	7.0	2.8
4	17.1	15.8	93	62	4.9	45	45	1.7	4	4	1.2	3.0
5	16.8	15.1	91	57	6.5	90	45	7.4	4	4	0.0	3.8
6	15.1	14.4	87	57	5.8	45	45	7.8	6	4	0.0	3.8
7	16.1	14.5	88	56	4.4	45	45	2.6	0	2	2.4	3.2
8	15.3	14.1	81	53	3.5	45	45	9.9	0	2	0.0	3.8
9	15.1	14.2	84	56	4.5	45	45	10.1	0	0	0.0	4.0
10	15.5	15.8	87	62	3.3	90	45	9.5	0	3	0.0	4.6
11	16.5	14.8	84	58	9.0	45	45	8.0	6	6	0.0	3.6
12	16.8	16.9	91	96	10.8	45	45	0.0	8	8	0.0	3.2
13	16.9	17.0	96	79	6.8	45	45	0.0	8	3	6.4	3.0
14	16.7	15.0	89	58	5.7	45	45	0.5	6	4	0.0	3.6
15	15.3	15.9	87	63	4.7	45	45	7.8	3	2	1.8	3.2
16	16.5	14.0	93	54	2.9	45	45	5.5	0	0	0.0	3.4
17	15.2	13.8	89	54	3.2	45	45	7.7	0	0	0.0	3.2
18	12.3	13.6	70	54	3.2	45	45	8.8	0	2	0.0	3.6
19	12.3	14.0	73	58	3.4	90	45	8.2	0	2	0.0	3.4
20	12.7	14.1	78	59	3.8	45	45	7.3	0	2	0.0	3.6
21	12.0	11.1	73	44	3.9	45	45	6.2	0	0	0.0	3.8
22	15.8	14.0	89	69	5.1	45	45	8.0	6	4	0.0	4.0
23	16.2	15.0	86	70	5.1	45	45	0.1	6	6	0.0	3.8
24	18.1	16.3	98	76	4.7	90	90	1.5	8	6	9.4	1.8
25	15.9	15.2	91	60	4.1	90	45	0.1	6	3	0.0	2.0
26	16.2	14.8	86	58	4.6	90	45	7.7	2	2	0.0	3.2
27	16.0	15.4	89	61	2.7	140	140	6.8	2	3	0.0	3.4
28	17.3	14.7	89	55	5.0	90	45	7.6	3	2	0.0	3.8
29	16.7	14.8	89	58	1.4	45	45	4.4	6	3	0.0	2.8
30	14.9	14.3	91	60	4.0	45	45	5.8	3	3	0.0	3.2
Mean	15.8	14.8	87	61	4.8	..	..	5.3	3	3	30.0	3.4
Weekly Mean												
Std. Week No:45 ( Nov. 5 - Nov. 11) No. of Days : 7												
Mean	15.8	14.7	86	57	5.3	..	..	7.9	2	3	2.4	3.8
Std. Week No:46 ( Nov.12 - Nov.18) No. of Days: 7												
Mean	15.7	15.2	88	65	5.3	..	..	4.3	4	3	8.2	3.3
Std. Week No:47 ( Nov .19 - Nov. 25) No. of Days: 7												
Mean	14.7	14.2	84	62	4.3	..	..	4.5	4	3	9.4	3.2
Std. Week No:48 ( Nov. 26 - Dec.2) No. of Days: 7												
Mean	16.2	14.8	89	58	3.5	..	..	6.5	3	3	0.0	3.3