

District: Bengaluru
State : Karnataka

PART- I

Lat : 13° 05' N

Long : 77° 34' E

Alt.: 924 m (amsl)

Month: July

Year : 2025

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10cm	10cm	20cm	20cm
			0700	1400	0700	1400		0700	1400	0700	1400	0700	1400
			LMT	LMT	LMT	LMT		LMT	LMT	LMT	LMT	LMT	LMT
1	30.4	20.0	23.8	26.0	22.2	21.4	4.9	22.4	29.0	24.2	28.2	27.0	26.2
2	29.0	19.2	22.8	28.0	21.2	22.4	4.7	21.2	31.4	23.2	29.2	26.2	28.2
3	28.8	19.0	22.0	26.4	20.0	22.6	4.6	20.0	28.0	23.2	27.0	24.6	25.6
4	29.0	19.0	22.0	28.0	20.6	22.0	4.7	21.2	32.4	24.0	31.6	25.4	29.0
5	29.8	19.6	21.0	26.0	19.8	20.6	4.8	22.4	32.0	24.2	30.0	25.2	29.0
6	29.4	19.8	22.2	25.6	20.8	22.6	4.7	24.0	29.6	25.0	28.4	27.0	28.0
7	27.0	20.2	21.8	27.2	20.2	22.4	3.8	23.0	30.2	24.2	29.9	26.0	28.0
8	28.8	19.8	22.0	28.6	20.4	22.4	4.5	24.0	34.2	24.8	31.4	26.0	30.0
9	30.0	20.4	22.0	29.8	21.8	23.0	4.7	23.4	35.0	25.2	33.0	27.0	30.4
10	30.8	20.0	22.2	27.2	20.2	22.4	5.0	21.2	30.0	23.0	28.0	25.0	27.0
11	29.2	19.8	23.0	29.2	21.4	22.6	4.6	20.0	34.0	23.2	33.2	24.0	30.0
12	30.0	19.2	22.0	26.2	19.8	23.0	5.0	20.2	28.2	23.0	27.4	25.2	26.0
13	28.0	19.4	23.2	27.0	21.8	20.8	4.3	20.0	28.2	22.4	26.2	24.0	25.0
14	28.8	19.0	22.0	27.2	20.8	22.8	4.6	20.2	31.6	23.2	29.8	25.0	27.0
15	28.2	19.2	23.0	26.2	21.4	21.4	4.4	20.0	30.0	23.6	28.2	24.0	27.0
16	28.0	19.0	22.2	28.4	20.4	23.2	4.4	20.8	30.4	23.2	28.6	24.0	26.4
17	29.0	18.8	21.0	28.2	19.0	22.6	4.7	20.0	29.8	22.2	28.0	24.0	26.0
18	28.8	18.6	21.6	28.0	20.0	23.8	4.7	20.2	29.0	22.0	27.8	23.8	25.8
19	28.2	19.6	21.0	25.0	20.2	21.4	4.4	22.0	29.4	23.0	28.0	25.2	27.0
20	26.4	19.4	21.0	25.0	20.0	22.4	3.8	22.0	28.0	23.2	26.0	24.8	24.0
21	27.2	19.6	21.2	23.4	19.8	21.0	4.0	22.4	27.0	23.8	26.2	25.0	24.0
22	27.0	19.0	21.0	22.4	20.0	21.2	4.1	20.2	25.2	22.4	24.0	23.0	23.0
23	26.0	18.2	22.0	24.8	21.2	23.0	4.0	20.0	25.0	22.4	24.0	24.0	23.0
24	26.8	18.0	22.2	25.4	21.8	22.0	4.2	20.2	25.4	23.2	24.0	24.2	23.4
25	26.0	18.0	21.0	25.2	20.4	21.4	4.0	20.0	25.0	22.0	24.2	24.0	23.4
26	26.2	18.6	22.0	26.2	21.0	21.8	4.0	20.8	26.0	23.0	24.2	24.2	23.0
27	27.0	18.2	21.8	26.8	21.2	21.8	4.3	20.0	26.2	22.0	23.2	23.2	22.4
28	27.8	19.0	22.6	24.6	21.4	20.8	4.4	21.2	27.0	22.4	26.0	24.8	25.0
29	27.6	18.8	21.8	26.2	20.6	22.6	4.3	21.0	28.0	23.2	26.8	24.2	25.0
30	28.0	18.8	23.0	27.4	21.8	22.0	4.5	21.0	30.2	23.0	28.4	24.2	27.0
31	29.2	19.0	23.0	26.6	21.6	22.2	4.8	22.0	27.6	23.2	26.2	25.2	25.2
Mean	28.3	19.2	22.0	26.5	20.7	22.1	4.4	21.2	29.1	23.2	27.6	24.8	26.1
Weekly mean													
Std. Week No:27 (July 2 - July 8) No. of Days: 7													
Mean	28.8	19.5	22.0	27.1	20.4	22.1	4.5	22.3	31.1	24.1	29.6	25.8	28.3
Std. Week No:28 (July 9 - July 15) No. of Days: 7													
Mean	29.3	19.6	22.5	27.5	21.0	22.3	4.7	20.7	31.0	23.4	29.4	24.9	27.5
Std. Week No:29 (July 16 - July 22) No. of Days: 7													
Mean	27.8	19.1	21.3	25.8	19.9	22.2	4.3	21.1	28.4	22.8	26.9	24.3	25.2
Std. Week No:30 (July 23 - July 29) No. of Days: 7													
Mean	26.8	18.4	21.9	25.6	21.1	21.9	4.2	20.5	26.1	22.6	24.6	24.1	23.6
Std. Week No:31 (July 30 - August 5) No. of Days: 7													
Mean	28.4	19.0	21.0	27.7	20.1	20.5	4.0	20.6	31.5	21.7	28.9	21.3	28.4

PART- II

Time of Observation:

I---> 0700 Hours LMT = 0720 IST

II---> 1400 Hours LMT = 1420 IST

Month: July

Year: 2025

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall (mm)	Pan Evap. (mm)
	Vap. Pr. (mm) Hg.		Rel. Hum. %		Speed (Km/hr)	Direction			0700	1400		
	0700	1400	0700	1400		0700	1400					
	LMT	LMT	LMT	LMT		LMT	LMT					
1	19.2	16.6	87	66	8.6	270	270	7.0	2	4	0.0	6.2
2	18.0	17.2	86	61	7.1	270	270	0.0	2	2	0.0	4.6
3	16.4	18.5	83	71	6.9	270	320	2.4	4	2	8.2	3.0
4	17.4	16.5	88	58	8.5	320	270	1.0	4	2	0.0	4.4
5	16.7	15.2	89	60	9.6	320	230	7.7	2	2	0.0	4.2
6	17.6	18.9	88	77	9.4	270	230	2.6	4	4	0.0	4.0
7	16.9	17.7	86	65	8.8	320	320	3.0	0	0	1.2	3.4
8	17.1	16.9	86	57	8.6	320	320	5.6	0	2	0.0	4.6
9	19.5	17.3	98	55	8.4	320	320	7.0	2	2	0.0	5.2
10	16.6	17.7	83	65	7.1	270	230	8.8	2	2	9.0	4.6
11	18.2	16.9	87	56	5.8	270	320	4.8	2	4	0.0	4.2
12	16.1	19.3	81	76	5.6	270	320	5.2	1	6	10.4	5.0
13	18.8	15.0	88	56	5.3	270	320	2.8	6	4	1.2	2.6
14	17.8	18.4	90	68	6.1	270	320	4.8	4	4	1.0	3.2
15	18.2	16.5	87	65	8.9	270	320	6.7	4	4	0.0	4.8
16	17.0	18.4	85	64	5.2	270	320	2.1	2	2	2.2	3.0
17	15.4	17.5	82	61	5.2	270	270	2.2	6	6	27.2	3.4
18	16.7	19.8	86	70	4.7	270	270	3.3	6	6	1.2	2.4
19	17.3	17.1	93	72	6.4	320	320	2.7	8	4	0.0	3.0
20	17.0	18.9	91	79	5.9	320	230	0.2	6	4	3.4	3.6
21	16.5	17.3	88	80	5.4	320	320	2.8	6	8	0.8	3.2
22	17.0	18.2	91	90	5.0	270	230	0.2	6	8	26.0	2.4
23	18.4	20.1	93	85	6.8	270	320	0.8	6	6	8.4	2.6
24	19.4	17.9	96	74	7.9	270	320	1.8	6	6	1.4	3.0
25	17.6	17.0	95	71	7.1	270	230	0.0	6	4	2.4	2.8
26	18.1	17.1	91	67	9.7	270	230	0.0	4	6	0.0	3.4
27	18.5	16.8	95	64	8.8	270	230	1.5	6	6	0.0	3.2
28	18.4	16.3	90	70	8.2	270	320	2.1	6	6	0.0	3.0
29	17.5	18.6	90	73	6.9	270	320	3.2	6	4	0.0	3.8
30	18.9	16.8	90	61	6.6	270	320	2.5	2	2	0.8	3.2
31	18.6	17.6	88	67	7.3	270	270	6.9	2	2	0.0	4.0
Mean	17.6	17.5	89	68	7.2		..	3.3	4	4	104.8	3.7
Weekly mean												
Std. Week No:27 (July 2 - July 8) No. of Days: 7												
Mean	17.2	17.3	87	64	8.4	...	...	3.2	2	2	9.4	4.0
Std. Week No:28 (July 9 - July 15) No. of Days: 7												
Mean	17.9	17.3	88	63	6.7	...	...	5.7	3	4	21.6	4.2
Std. Week No:29 (July 16 - July 22) No. of Days: 7												
Mean	16.7	18.2	88	74	5.4	...	...	1.9	6	5	60.8	3.0
Std. Week No:30 (July 23 - July 29) No. of Days: 7												
Mean	18.3	17.7	93	72	7.9	...	...	1.3	6	5	12.2	3.1
Std. Week No:31 (July 30 - August 5) No. of Days: 7												
Mean	17.2	18.3	91	43	8.4	..	..	4.9	2	2	13.4	4.2

Note: Rainfall is in Total