

**PART- II**  
**AICRP on Agrometeorology**  
**Meteorological Observation at GKVK, UAS (B), Bangalore**

District: Bengaluru  
 State : Karnataka

**PART- I**  
 Lat : 13° 05' N  
 Long: 77° 34' E  
 Alt : 924 m (amsl)

Month: October  
 Year : 2025

| Date   | Air Temperature °C |      |      |      |      |      | PET<br>(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 | 0700  | 1400  | 0700  | 1400  |
|  |                    |      | LMT  | LMT  | LMT  | LMT  |             | LMT                 | LMT  | LMT   | LMT   | LMT   | LMT   |
| 1  | 28.8               | 19.0 | 21.0 | 28.2 | 19.6 | 22.2 | 4.4         | 23.0                | 31.2 | 24.0  | 30.2  | 25.2  | 28.2  |
| 2  | 28.6               | 19.0 | 21.2 | 28.0 | 19.8 | 21.8 | 4.3         | 23.4                | 30.6 | 24.2  | 29.2  | 25.4  | 28.2  |
| 3  | 28.8               | 19.2 | 22.8 | 28.4 | 21.0 | 23.8 | 4.3         | 21.6                | 33.2 | 22.4  | 32.0  | 23.4  | 31.0  |
| 4  | 29.0               | 19.0 | 22.8 | 26.2 | 21.6 | 20.8 | 4.4         | 20.0                | 29.2 | 22.4  | 28.2  | 23.0  | 27.0  |
| 5  | 26.8               | 18.0 | 21.0 | 28.0 | 20.0 | 21.8 | 3.9         | 21.2                | 31.2 | 22.4  | 30.2  | 24.0  | 28.2  |
| 6  | 28.8               | 18.8 | 22.0 | 26.0 | 20.8 | 21.8 | 4.3         | 20.0                | 29.2 | 21.2  | 28.0  | 23.0  | 27.0  |
| 7  | 27.2               | 18.0 | 22.0 | 27.0 | 20.2 | 22.0 | 4.0         | 20.0                | 30.2 | 21.2  | 28.2  | 22.4  | 28.0  |
| 8  | 28.8               | 18.0 | 22.0 | 22.4 | 20.0 | 21.2 | 4.4         | 21.2                | 27.0 | 22.0  | 26.2  | 23.2  | 25.0  |
| 9  | 26.0               | 18.0 | 21.8 | 28.4 | 20.8 | 23.6 | 3.7         | 20.0                | 29.2 | 21.2  | 28.0  | 22.4  | 26.8  |
| 10   | 29.0               | 18.4 | 21.6 | 28.0 | 20.2 | 22.8 | 4.4         | 20.2                | 29.2 | 21.0  | 28.0  | 22.0  | 27.2  |
| 11   | 28.8               | 18.0 | 21.0 | 27.4 | 20.2 | 22.4 | 4.4         | 20.0                | 28.0 | 21.0  | 27.2  | 22.2  | 26.0  |
| 12   | 28.2               | 18.6 | 23.0 | 28.2 | 20.8 | 21.0 | 4.1         | 23.0                | 31.8 | 24.0  | 30.2  | 25.2  | 29.0  |
| 13   | 29.2               | 19.0 | 22.8 | 28.4 | 21.2 | 22.6 | 4.3         | 21.2                | 31.6 | 23.0  | 30.2  | 24.0  | 28.0  |
| 14   | 29.0               | 18.8 | 23.0 | 27.0 | 21.8 | 22.0 | 4.3         | 22.0                | 31.0 | 23.0  | 30.0  | 24.0  | 29.0  |
| 15   | 28.2               | 18.0 | 21.8 | 26.6 | 20.0 | 22.4 | 4.2         | 21.2                | 30.0 | 23.0  | 29.2  | 24.2  | 28.0  |
| 16   | 27.8               | 18.0 | 21.0 | 26.4 | 20.2 | 22.6 | 4.1         | 20.0                | 30.2 | 22.4  | 29.0  | 23.0  | 28.2  |
| 17   | 27.0               | 18.0 | 21.0 | 26.6 | 20.0 | 22.4 | 3.9         | 20.0                | 29.6 | 21.2  | 28.6  | 23.0  | 27.2  |
| 18   | 28.2               | 18.2 | 21.2 | 26.0 | 20.0 | 22.4 | 4.1         | 20.2                | 30.0 | 21.2  | 29.2  | 22.0  | 28.0  |
| 19   | 27.6               | 18.8 | 21.0 | 27.4 | 20.0 | 23.0 | 3.9         | 23.0                | 31.2 | 24.4  | 30.2  | 25.6  | 29.0  |
| 20   | 29.0               | 19.0 | 22.0 | 27.0 | 21.2 | 21.0 | 4.2         | 24.0                | 30.0 | 24.2  | 29.0  | 25.2  | 28.4  |
| 21   | 28.0               | 18.4 | 23.0 | 23.2 | 21.2 | 21.2 | 4.0         | 20.2                | 26.2 | 22.0  | 25.0  | 23.0  | 24.0  |
| 22   | 26.0               | 18.0 | 22.0 | 25.0 | 21.2 | 21.8 | 3.5         | 20.0                | 26.2 | 21.2  | 25.0  | 23.0  | 24.0  |
| 23   | 26.2               | 19.0 | 21.0 | 26.2 | 20.0 | 22.6 | 3.4         | 20.0                | 28.0 | 21.2  | 27.0  | 22.0  | 26.0  |
| 24   | 27.2               | 18.8 | 22.8 | 25.4 | 21.6 | 21.4 | 3.7         | 21.2                | 28.6 | 22.0  | 27.2  | 23.0  | 26.0  |
| 25   | 28.0               | 19.0 | 22.8 | 27.2 | 21.2 | 22.0 | 3.9         | 22.0                | 30.2 | 23.0  | 29.0  | 24.2  | 28.2  |
| 26   | 29.2               | 19.4 | 23.2 | 28.0 | 22.4 | 22.8 | 4.1         | 22.2                | 31.2 | 23.0  | 30.2  | 24.0  | 29.0  |
| 27   | 29.0               | 19.2 | 23.8 | 22.4 | 21.8 | 21.0 | 4.1         | 21.0                | 25.4 | 22.2  | 25.0  | 23.4  | 24.0  |
| 28   | 26.0               | 19.0 | 20.2 | 23.8 | 19.6 | 21.0 | 3.3         | 21.8                | 26.6 | 22.0  | 24.0  | 23.6  | 24.0  |
| 29   | 25.2               | 18.8 | 21.0 | 26.8 | 20.0 | 20.8 | 3.1         | 20.0                | 25.4 | 21.2  | 24.6  | 22.4  | 24.0  |
| 30   | 27.8               | 19.0 | 21.8 | 27.0 | 20.4 | 21.0 | 3.7         | 21.0                | 27.0 | 22.4  | 26.0  | 23.0  | 25.2  |
| 31   | 28.8               | 19.2 | 22.0 | 27.2 | 20.8 | 21.6 | 4.0         | 22.0                | 28.2 | 23.0  | 27.0  | 24.0  | 26.2  |
| Mean   | 27.9               | 18.6 | 21.9 | 26.6 | 20.6 | 22.0 | 3.0         | 21.2                | 29.2 | 22.3  | 28.1  | 23.5  | 27.0  |
| <b>Weekly mean</b>   |                    |      |      |      |      |      |             |                     |      |       |       |       |       |
| <b>Std. Week No: 40 (October 1- October 7) No. of Days: 7</b>    |                    |      |      |      |      |      |             |                     |      |       |       |       |       |
| Mean   | 28.3               | 18.7 | 21.8 | 27.4 | 20.4 | 22.0 | 4.2         | 21.3                | 30.7 | 22.5  | 29.4  | 23.8  | 28.2  |
| <b>Std. Week No: 41 (October 8-October 14) No. of Days: 7</b>    |                    |      |      |      |      |      |             |                     |      |       |       |       |       |
| Mean   | 28.4               | 18.4 | 22.2 | 27.1 | 20.7 | 22.2 | 4.2         | 21.1                | 29.7 | 22.2  | 28.5  | 23.3  | 27.3  |
| <b>Std. Week No: 42 (October 15 - October 21) No. of Days: 7</b> |                    |      |      |      |      |      |             |                     |      |       |       |       |       |
| Mean   | 28.0               | 18.3 | 21.6 | 26.2 | 20.4 | 22.1 | 4.0         | 21.2                | 29.6 | 22.4  | 28.6  | 23.7  | 27.5  |
| <b>Std. Week No:43 (October 22 - October 28) No. of Days: 7</b>  |                    |      |      |      |      |      |             |                     |      |       |       |       |       |
| Mean   | 27.4               | 18.9 | 22.3 | 25.4 | 21.1 | 21.8 | 3.7         | 21.2                | 28.0 | 22.2  | 26.8  | 23.3  | 25.9  |

Time of Observation:

Month: October

I---> 0700 Hours LMT = 0720 IST

Year: 2025

II---> 1400 Hours LMT = 1420 IST

| 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  | 16.3              | 21.5        | 88          | 58        | 6.7           | 230       | 230       | 7.1        | 2                    | 2        | 0.0           | 5.6            |
| 2  | 16.5              | 20.7        | 88          | 57        | 5.8           | 270       | 320       | 4.9        | 2                    | 2        | 0.0           | 4.8            |
| 3  | 17.7              | 23.7        | 85          | 67        | 4.1           | 270       | 320       | 6.5        | 2                    | 2        | 1.4           | 3.8            |
| 4  | 18.7              | 18.0        | 90          | 61        | 3.9           | 270       | 320       | 8.4        | 2                    | 2        | 0.0           | 4.6            |
| 5  | 17.0              | 20.6        | 91          | 57        | 1.1           | 270       | 320       | 0.0        | 2                    | 2        | 2.4           | 3.2            |
| 6  | 17.8              | 20.1        | 90          | 68        | 4.2           | 270       | 320       | 8.6        | 2                    | 2        | 44.2          | 4.4            |
| 7  | 16.8              | 20.8        | 85          | 64        | 2.2           | 270       | 320       | 6.7        | 2                    | 2        | 0.0           | 3.8            |
| 8  | 16.4              | 19.5        | 83          | 90        | 1.8           | 270       | 320       | 8.7        | 2                    | 2        | 0.0           | 5.4            |
| 9  | 17.9              | 23.4        | 91          | 66        | 5.4           | 45        | 320       | 1.9        | 2                    | 2        | 19.2          | 2.2            |
| 10   | 17.0              | 22.3        | 88          | 63        | 2.0           | 45        | 320       | 6.0        | 2                    | 2        | 7.0           | 2.8            |
| 11   | 17.3              | 21.5        | 93          | 64        | 1.8           | 45        | 320       | 5.8        | 2                    | 2        | 19.2          | 2.4            |
| 12   | 17.2              | 18.8        | 82          | 51        | 3.3           | 140       | 360       | 6.5        | 2                    | 2        | 0.0           | 3.8            |
| 13   | 18.0              | 21.3        | 86          | 60        | 3.5           | 90        | 45        | 9.0        | 2                    | 2        | 0.0           | 5.2            |
| 14   | 18.9              | 19.9        | 90          | 64        | 5.6           | 90        | 140       | 8.4        | 2                    | 2        | 0.0           | 5.0            |
| 15   | 16.5              | 21.6        | 84          | 69        | 4.4           | 90        | 140       | 6.5        | 4                    | 4        | 0.0           | 4.0            |
| 16   | 17.3              | 21.9        | 93          | 71        | 6.2           | 90        | 140       | 1.8        | 4                    | 4        | 0.8           | 3.6            |
| 17   | 17.0              | 21.6        | 91          | 69        | 5.2           | 90        | 45        | 3.7        | 4                    | 4        | 4.2           | 2.8            |
| 18   | 16.9              | 21.6        | 89          | 73        | 6.0           | 90        | 45        | 5.5        | 4                    | 2        | 1.0           | 3.0            |
| 19   | 17.0              | 22.7        | 91          | 68        | 4.3           | 90        | 45        | 4.7        | 4                    | 4        | 11.0          | 3.4            |
| 20   | 18.4              | 18.5        | 93          | 57        | 6.8           | 90        | 45        | 6.8        | 4                    | 4        | 0.0           | 5.0            |
| 21   | 17.9              | 18.9        | 85          | 83        | 2.3           | 90        | 45        | 5.2        | 8                    | 8        | 8.2           | 4.2            |
| 22   | 18.4              | 19.9        | 93          | 75        | 7.0           | 90        | 45        | 0.0        | 8                    | 8        | 11.0          | 3.0            |
| 23   | 17.0              | 22.0        | 91          | 73        | 4.4           | 90        | 230       | 0.4        | 8                    | 2        | 4.4           | 3.2            |
| 24   | 18.7              | 19.0        | 90          | 69        | 3.7           | 180       | 230       | 4.3        | 2                    | 4        | 0.0           | 5.6            |
| 25   | 18.0              | 20.3        | 86          | 63        | 3.4           | 180       | 230       | 0.3        | 2                    | 2        | 0.0           | 4.0            |
| 26   | 19.9              | 21.0        | 93          | 63        | 3.2           | 270       | 230       | 8.5        | 2                    | 2        | 0.0           | 4.4            |
| 27   | 18.5              | 18.2        | 84          | 88        | 2.2           | 270       | 230       | 6.9        | 2                    | 8        | 0.0           | 5.4            |
| 28   | 16.8              | 19.4        | 94          | 77        | 3.6           | 270       | 320       | 0.0        | 8                    | 4        | 4.4           | 3.0            |
| 29   | 17.0              | 18.9        | 91          | 57        | 5.2           | 230       | 320       | 0.0        | 6                    | 4        | 0.0           | 3.8            |
| 30   | 17.2              | 19.0        | 88          | 57        | 7.4           | 230       | 230       | 5.7        | 4                    | 4        | 0.0           | 4.4            |
| 31   | 17.8              | 19.8        | 90          | 60        | 4.0           | 230       | 230       | 10.4       | 4                    | 4        | 0.0           | 5.8            |
| <b>Mean</b>  | <b>17.5</b>       | <b>20.5</b> | <b>89</b>   | <b>67</b> | <b>4.2</b>    | <b>..</b> | <b>..</b> | <b>5.1</b> | <b>3</b>             | <b>3</b> | <b>138.4</b>  | <b>4.1</b>     |
| <b>Weekly mean</b>   |                   |             |             |           |               |           |           |            |                      |          |               |                |
| <b>Std. Week No: 40 (October 1- October 7) No. of Days: 7</b>    |                   |             |             |           |               |           |           |            |                      |          |               |                |
| <b>Mean</b>  | 17.2              | 16.9        | 88          | 62        | 4.0           | ...       | ...       | 6.0        | 2                    | 2        | 48.0          | 4.3            |
| <b>Std. Week No: 41 (October 8-October 14) No. of Days: 7</b>    |                   |             |             |           |               |           |           |            |                      |          |               |                |
| <b>Mean</b>  | 17.5              | 17.4        | 88          | 65        | 3.7           | ...       | ...       | 6.6        | 2                    | 2        | 45.4          | 3.7            |
| <b>Std. Week No: 42 (October 15 - October 21) No. of Days: 7</b> |                   |             |             |           |               |           |           |            |                      |          |               |                |
| <b>Mean</b>  | 17.3              | 17.8        | 90          | 70        | 5.4           | ...       | ...       | 4.9        | 5                    | 4        | 25.2          | 3.9            |
| <b>Std. Week No:43 (October 22 - October 28) No. of Days: 7</b>  |                   |             |             |           |               |           |           |            |                      |          |               |                |
| <b>Mean</b>  | 18.2              | 17.6        | 90          | 73        | 3.7           | ...       | ...       | 2.9        | 5                    | 4        | 19.8          | 4.2            |