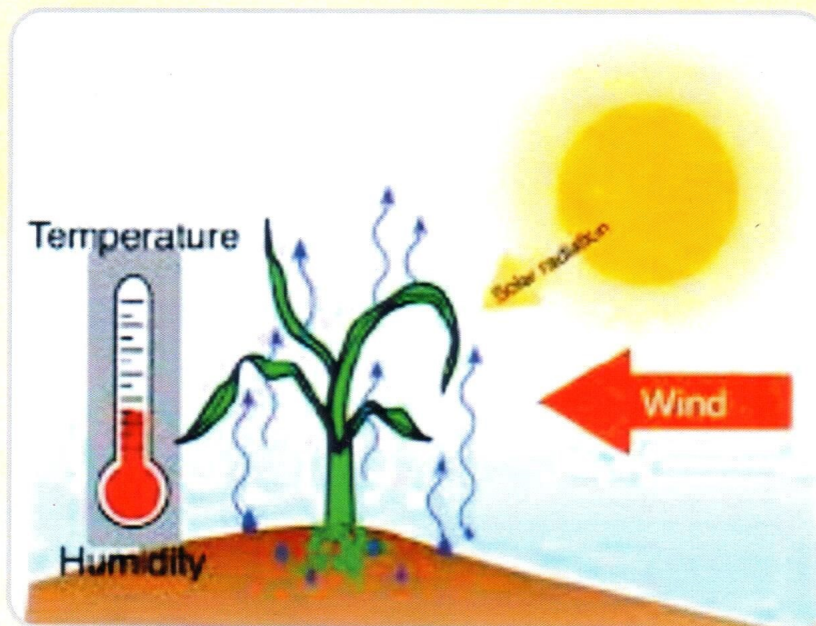


ET, Tables for Districts of Madhya Pradesh

(Daily, Weekly, Monthly and Annual Values)



- Evapotranspiration (ET) is an energy driven process.
- ET increases with temperature, solar radiation and wind.
- ET decreases with increasing humidity.

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(Daily, Weekly, Monthly and Annual Values)



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Water is the prime and most precious resource as well as a basic need of life. As water becomes increasingly scarce and the need becomes more pressing, advanced measuring and evaluating techniques of handling water resources are necessary. The agricultural sector (irrigation), which currently consumes over 80 per cent of the available water in India, continues to be the major water consuming sector due to intensification of agriculture. Thus, accurate quantification of crop water use (evapotranspiration) is crucial for better management and allocation of water resources.

Reference evapotranspiration (ET_0)

Evapotranspiration (ET) is the sum of evaporation and plant transpiration from the Earth's land and ocean surface to the atmosphere. Evaporation accounts for the movement of water to the air from sources such as the soil, canopy interception, and water bodies. Transpiration accounts for the movement of water within a plant and the subsequent loss of water as vapour through stomata in its leaves.

Evapotranspiration from the reference surface i.e. a hypothetical reference crop with an assumed crop height of 0.12 m, a fixed surface resistance of 70 s m^{-1} and an albedo of 0.23 is termed as reference evapotranspiration, denoted as ET_0 . It is a reflection of the energy available to evaporate water and the wind available to transport the water vapour from the ground up into the lower atmosphere. Actual evapotranspiration is said to equal reference evapotranspiration when there is ample water.

ET_0 provides information on the evaporation demand of the atmosphere, independent of the type of crop, its stage of development and the management practices. Estimates of potential ET are used in the fields of hydrology, agriculture, and water management. Potential ET estimates along with precipitation data are used to make irrigation recommendations for growers.

Estimation of reference evapotranspiration (ET_0)

Although there are many ways to estimate ET_0 , the FAO Panman-Monteith equation is widely used. Here Aquacrop (version 5.0) model developed by Land and Water division of Food and Agriculture Organization (FAO) of United Nations is used to estimate reference evapotranspiration. It uses the FAO Panman-Monteith method and needs daily weather data sets. The data set includes maximum and minimum temperature ($^{\circ}\text{C}$), mean relative humidity (%), wind speed (m/sec) and solar radiation ($\text{MJ/m}^2/\text{day}$). The advantage with this model is that it requires only a minimum of input data, which are readily available or can easily be collected.

AQUACROP is an empirical process based, dynamic crop growth model developed to simulate biomass and yield response of herbaceous crop (i.e. field and vegetable crops) to water under varying management and environmental conditions.

It was developed by Land and Water Division of FAO, Rome, Italy as a practical tool for user such farmer, agronomist, engineer and water manager. The model is also a valuable tool for conceptualization and analysis for research scientist (Steduto et al., 2008; Steduto et al., 2012; Hsiao et al., 2009). The model carries the calculation of evapotranspiration, crop productivity, water requirement and water use efficiency under water limiting condition. Aquacrop can also be used to assess the effect of weather and climate on crop product and water used.

In newly updated crop model (AQUACROP Version 5.0) ET_o calculator has been incorporated for estimation of reference evapotranspiration. The ET_o calculator estimate reference evapotranspiration from weather station data which includes maximum and minimum temperature, wind speed, relative humidity and solar radiation by means of FAO Penman-Monteith equation. Aquacrop model that calculates reference evapotranspiration and water requirement, allows the development of recommendation for improved irrigation practices the planning of irrigation schedules under varying water supply condition and yield reduction under various condition.

Climate data collection

The weather data required by Aquacrop model for prediction of reference evapotranspiration of different districts were collected from Global Weather Data site. The weather data set includes daily maximum temperature, minimum temperature, precipitation, mean relative humidity, wind speed and solar radiation for periods of 35 years (1979-2013). Other parameter like geographic location viz. latitude, longitude and elevation were also obtained for respective station.

Steps involve in reference evapotranspiration estimation using Aquacrop model are given below:

- Daily weather data sets of 35 years i.e. from 1979 to 2013 were collected from the Global Weather Data site.
- These data were tabulated in excel sheet and converted to text file to import it in model to use as input parameter.
- Text file of climate data was imported in the model. Starting from the main menu (Climate < select data file < import).
- After that time range of file data was selected and adjustment made for missed data.
- Next, upper and lower limits of data were fixed.
- And then files of all input data are imported to calculate ET_o .
- Simulation period was entered from the main menu and then program was run.
- Output was saved in text file and can be converted to excel file for further studies.

Temporal variation of ET_o across Madhya Pradesh

The mean weekly ET_o for the state varies between 23.9 mm/week (32nd SMW) to 70.5 mm/week (21st SMW). During SMW; 1, 2, 32 and 52 the ET_o dwells around minimum values. A plot of standard deviation indicates deviation from mean is less than 3 mm in the most of the year except slight higher values sees during monsoon season. The coefficient of variation varies between 5% to 32% with maximum (23%) in 32nd SMW. However, the CV values are comparatively higher between 25th SMW to 36th SMW which is on monsoon season. Thus, it can be summarized that during onset of summer to during summer period (12th SMW to 21st SMW) the ET_o increases with time @ 2.5 mm/week with the lowest values of SD and CV.

The monthly variation of mean ET_o along with its standard deviation and coefficient of variation is presented in fig. 2. Mean monthly ET_o varies between 112.6 mm/month (August) to 305.6 mm/month (May). The mean monthly ET_o rises sharply from February to May @ 27.5 mm/month and declines with almost similar rate from May to August. The SD and CV values varies at the lowest magnitude of about 10.2 mm and 5.5 % respectively between October to March. The coefficient of variation and standard deviation are comparatively higher during summer and monsoon season.

A visit of Table 3 educates about evapotranspiration rates in a particular month prevailing in different districts of the state. Based on average monthly ET_o values the Mandsaur comes out to be the highest water consumer while the Anuppur is the lowest taker of the water towards vegetational requirement with Indore as the mediator. Mean monthly ET_o values for Anuppur, Indore and Mandsaur are plotted in fig. 3. The ET_o peaked in May month in all three districts but the difference between the maximum ET_o values is 92.2 mm. The lowest ET_o are as usual at its lowest magnitude in August with surprisingly almost no difference in with Anuppur and Mandsaur. Indore being a average ET_o values holder behaves like this only during October to June but during monsoon (July to September) the ET_o values are much lower than the Anuppur. Exactly similar trend is observed in case of mean weekly ET_o .

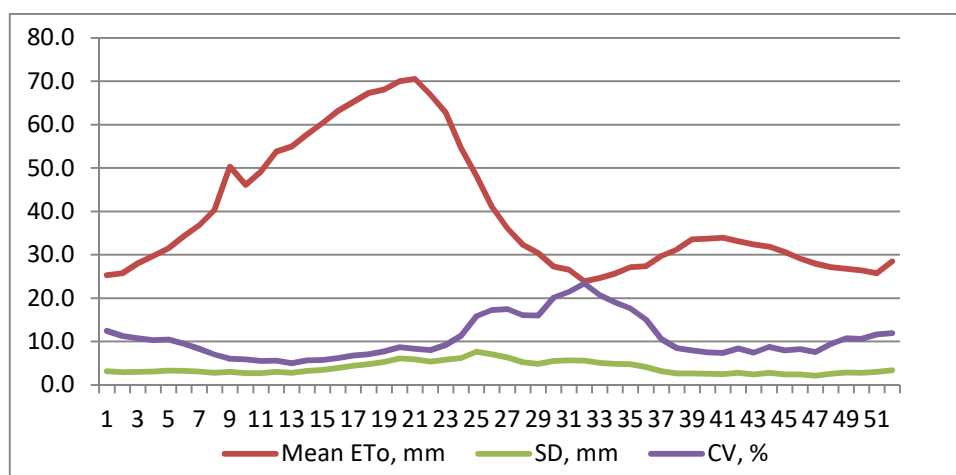


Fig. 1: Mean weekly variation in ET_o along with its SD and CV

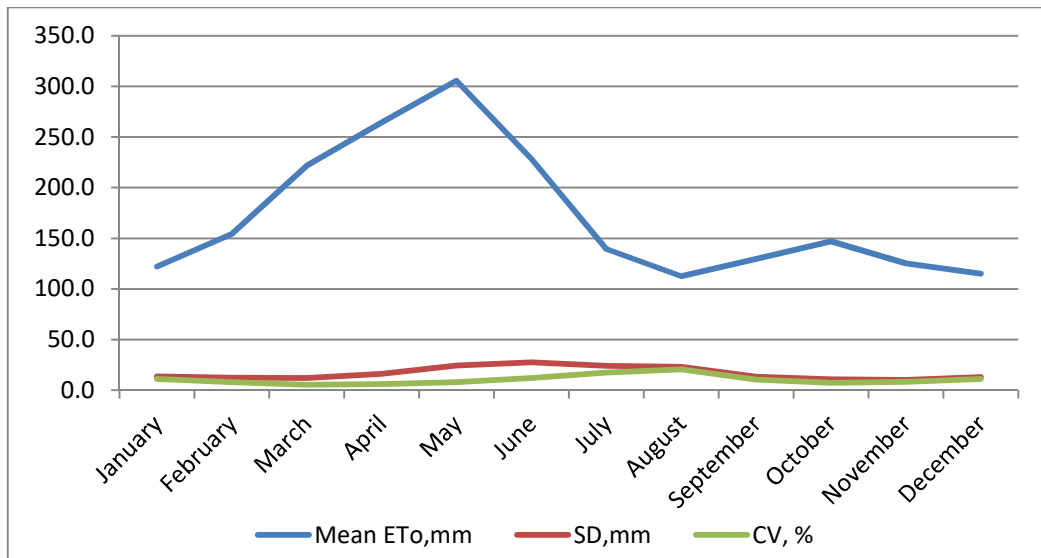


Fig. 2: Mean Monthly variation in ET₀ along with its SD and CV

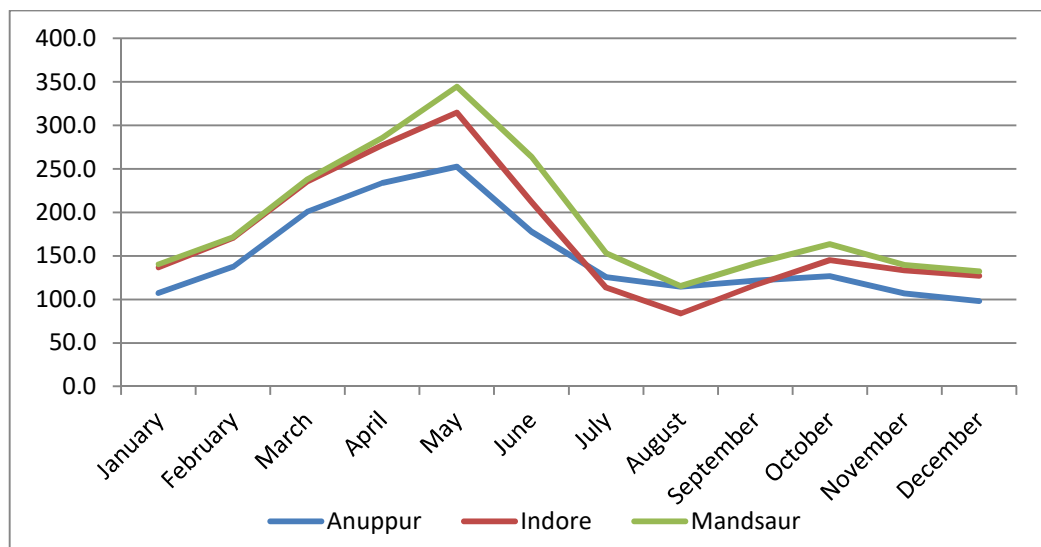


Fig. 3: Mean Monthly Variation in ET₀ for Anuppur, Indore and Mandsaur Districts

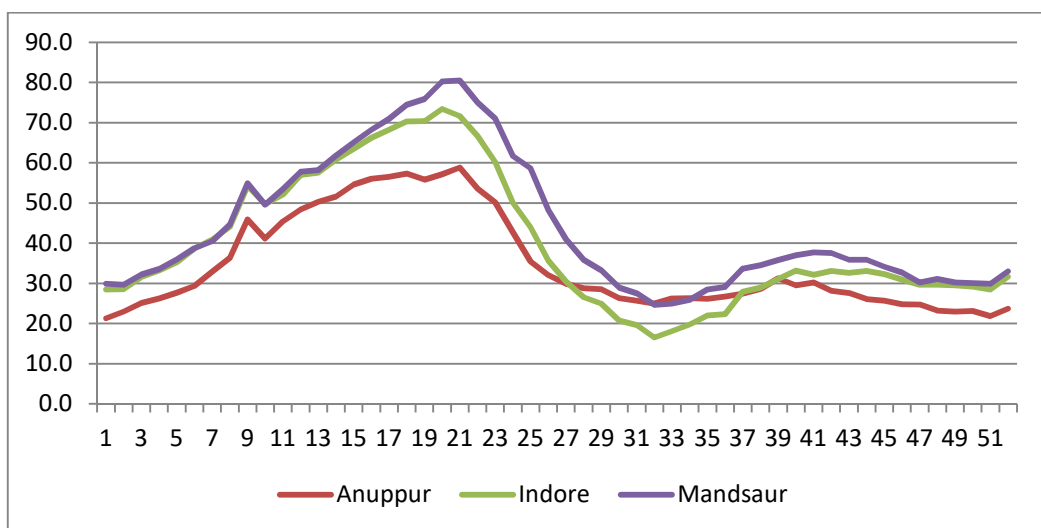


Fig. 4: Mean Weekly Variation in ET₀ for Anuppur, Indore and Mandsaur Districts

Spatial variation of ET_o across Madhya Pradesh

The state has 51 districts and mean weekly ET_o values averaged over 52 weeks are plotted in fig. 5. The average mean weekly ET_o varies between 34.7 mm to 44.3 mm. The standard deviation ranges from 12.1 mm to 17.5 mm with a larger coefficient of variation between 34% to 42%. It means the average mean ET_o among districts of the state varies by about 9.6 mm/week but the coefficient of variation of occurrence of ET_o is 34% to 42%. It can be concluded on the basis of CV values that the whole state has vast climate variability throughout the year.

The average monthly ET_o plot is given in fig. 6. It also follows the similar trend as of average mean weekly ET_o across the state. The average mean monthly varies between 150 mm/month to 192 mm/month. The standard deviation ranges between 53 mm to 77 mm with a large value of coefficient of variation as 35% to 42%.

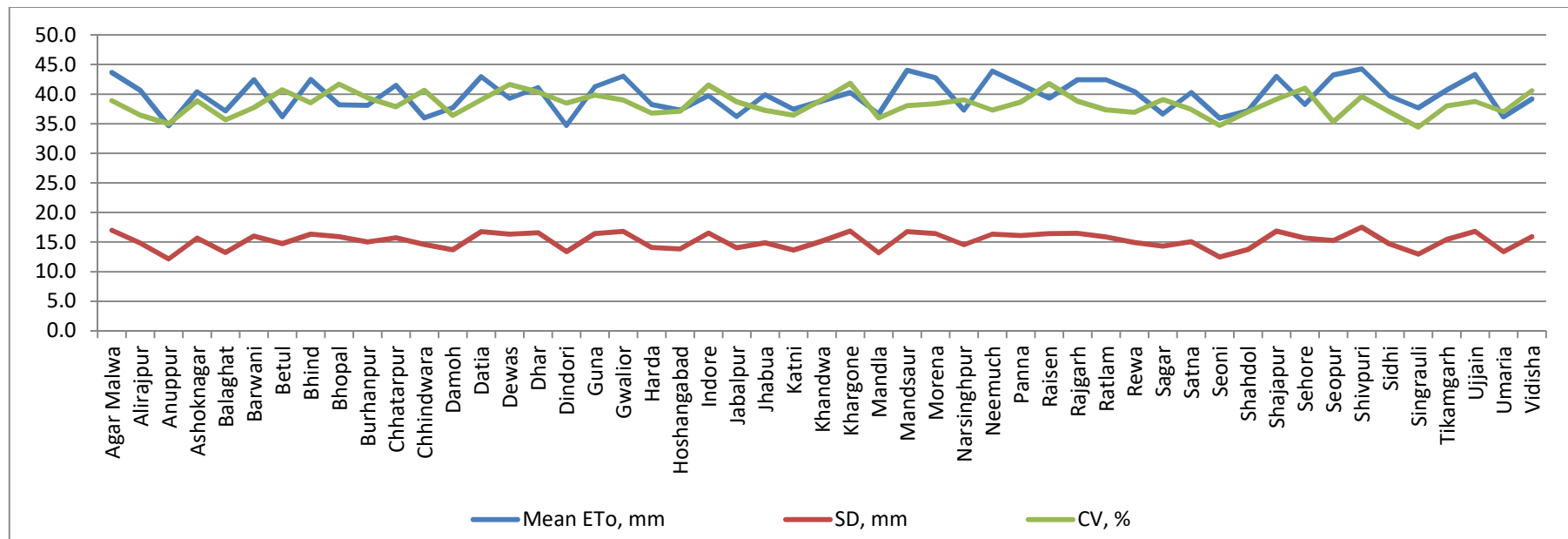


Fig. 5: Mean weekly variation in ET_0 along with its SD and CV for districts of Madhya Pradesh

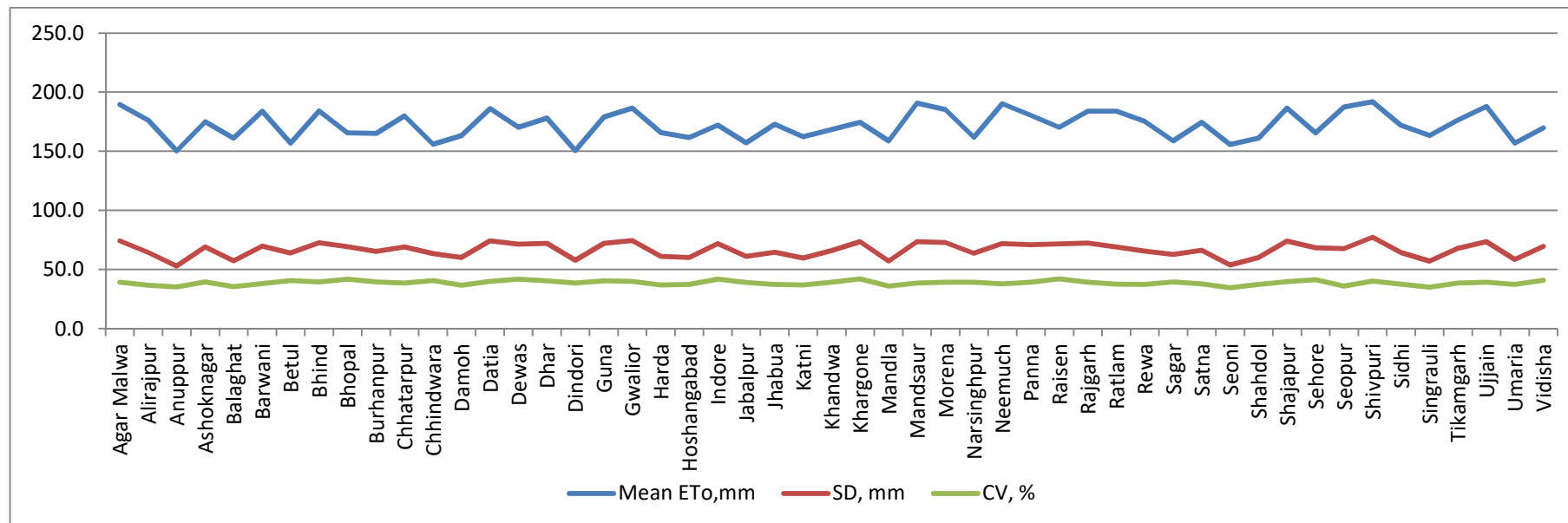
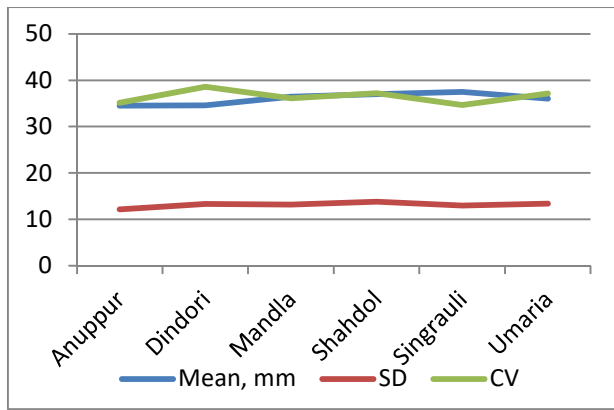


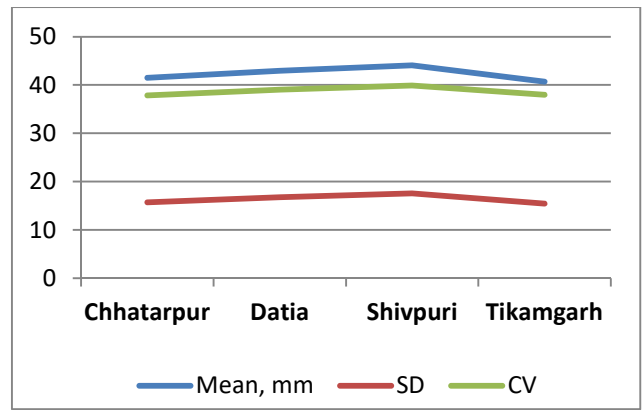
Fig. 6: Mean Monthly variation in ET_0 along with its SD and CV for districts of Madhya Pradesh

ET_o variation in Agro climatic Zones

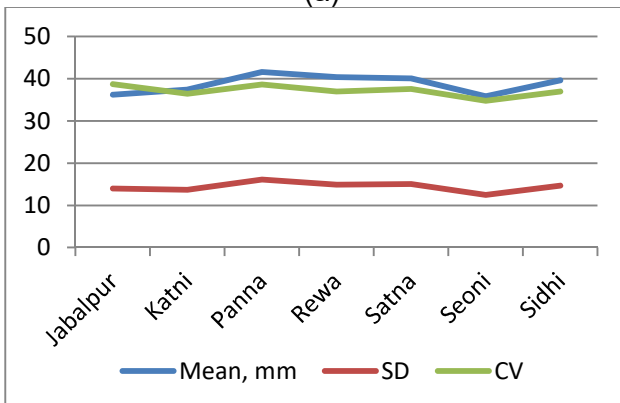
Average mean weekly ET_o values are plotted in fig. 7 (a to g) for different agro climatic zones. A glance over figures of fig. 7 depicts variation of mean ET_o in various agro climatic zones of the state. It is the lowest (36 mm/week) in eastern part (ACZ II). It is moderate around 38 mm in central part (ACZ III & IV). It is higher 42 mm in northern part (ACZ V & VI) and around 40 mm in western part of state.



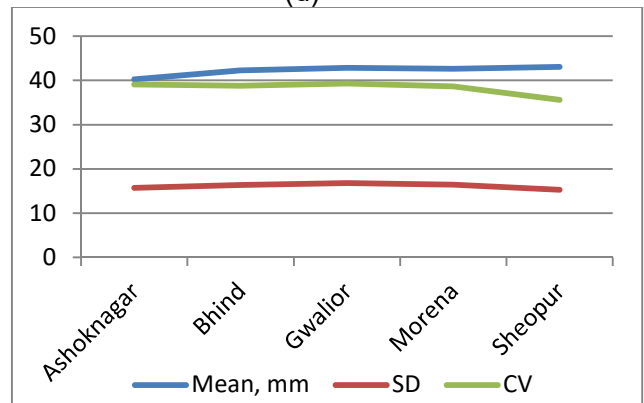
(a)



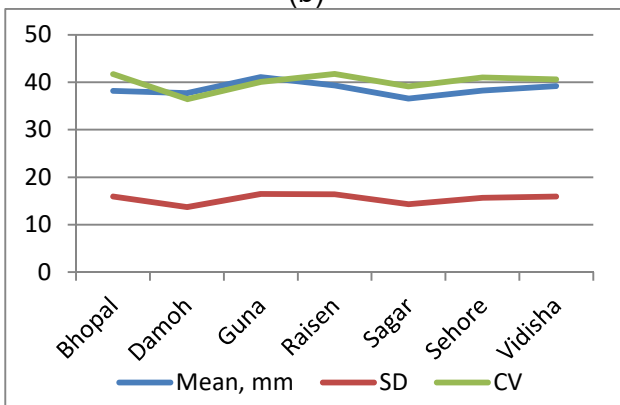
(d)



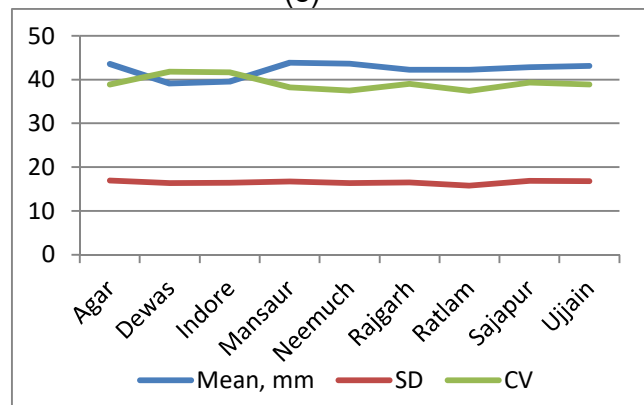
(b)



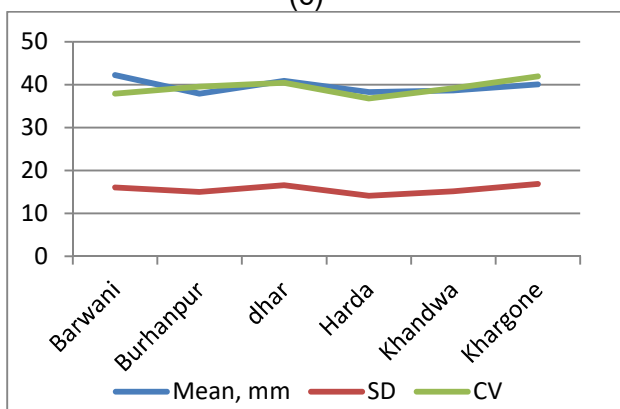
(e)



(c)



(f)



(g)

Fig 7: Reference Evapotranspiration (ET_o) variation in Agro climatic Zones of Madhya Pradesh

Daily Reference Evapotranspiration (ET_o) values for districts of Madhya Pradesh

Table 1.1: Daily ET_o values of January for district of Madhya Pradesh

Daily ETo values of January for districts of Madhya Pradesh																																
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Agar Malwa	4.2	4.0	4.2	4.1	4.1	4.2	4.2	4.1	4.1	4.2	4.1	4.1	4.4	4.2	4.4	4.5	4.8	4.6	4.4	4.5	4.7	4.7	4.6	4.7	4.7	4.7	5.1	5.0	5.1	4.9	5.2
2	Alirajpur	4.5	4.2	4.4	4.4	4.5	4.6	4.5	4.5	4.3	4.5	4.4	4.3	4.4	4.6	4.7	4.7	4.9	4.7	4.6	4.7	4.8	4.8	4.8	4.9	5.0	4.9	5.2	5.2	5.2	5.0	5.1
3	Anuppur	3.2	3.1	3.0	3.0	3.1	3.0	2.9	3.2	3.3	3.4	3.2	3.2	3.3	3.4	3.4	3.7	3.7	3.5	3.6	3.7	3.5	3.7	3.6	3.9	3.7	3.8	3.8	3.8	3.7	4.0	4.0
4	Ashoknagar	3.4	3.4	3.5	3.4	3.4	3.6	3.5	3.3	3.4	3.4	3.5	3.6	3.8	3.6	3.7	3.6	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.4	4.2	4.3	4.3	4.2
5	Balaghat	3.6	3.5	3.7	3.7	3.6	3.8	3.7	3.6	3.7	3.8	3.7	3.8	3.6	3.8	3.9	3.8	3.7	4.1	4.2	4.1	4.4	4.2	4.2	4.4	4.3	4.4	4.3	4.5	4.5	4.4	4.5
6	Barwani	4.4	4.2	4.2	4.3	4.4	4.6	4.4	4.3	4.3	4.4	4.4	4.3	4.3	4.6	4.6	4.7	4.8	4.7	4.5	4.6	4.8	4.8	4.8	4.9	4.9	4.9	5.1	5.2	5.1	5.0	5.2
7	Betul	3.8	3.5	3.5	3.6	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.7	3.9	3.9	4.0	4.1	4.1	3.8	4.0	4.3	4.0	4.1	4.3	4.3	4.2	4.5	4.5	4.6	4.4	4.6
8	Bhind	3.1	2.9	2.8	2.9	3.1	3.0	3.1	2.9	2.9	3.0	3.0	3.1	3.2	3.3	3.2	3.3	3.3	3.4	3.5	3.5	3.4	3.5	3.6	3.7	3.7	3.6	4.0	3.8	3.9	3.8	3.5
9	Bhopal	3.5	3.5	3.6	3.6	3.5	3.7	3.6	3.4	3.4	3.7	3.6	3.6	3.8	3.7	3.9	3.9	4.0	4.2	4.0	3.8	4.2	4.2	4.1	4.2	4.2	4.1	4.3	4.5	4.6	4.6	4.6
10	Burhanpur	4.0	3.8	3.8	4.0	4.1	4.1	4.0	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.2	4.4	4.4	4.5	4.4	4.2	4.5	4.4	4.5	4.6	4.6	4.6	4.8	4.8	4.9	4.8	4.8
11	Chhatarpur	3.5	3.3	3.3	3.3	3.4	3.4	3.5	3.1	3.4	3.4	3.4	3.6	3.8	3.5	3.8	3.7	3.8	4.0	3.8	3.7	3.9	3.8	3.9	4.0	3.9	4.2	4.2	4.2	4.3	4.3	4.1
12	Chhindwara	3.4	3.3	3.5	3.5	3.6	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.9	3.9	3.9	4.0	4.1	3.9	4.1	4.0	4.0	4.2	3.9	4.0	4.0	4.3	4.4	4.3	4.3
13	Damoh	3.2	3.1	3.2	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.4	3.5	3.6	3.4	3.6	3.7	3.8	3.8	3.7	3.7	3.8	3.6	3.9	4.0	3.8	4.0	4.0	4.0	4.1	4.1	4.1
14	Datia	3.2	3.0	3.0	3.1	3.1	3.1	3.2	2.9	3.0	3.1	3.1	3.3	3.3	3.2	3.4	3.3	3.2	3.6	3.6	3.5	3.5	3.5	3.6	3.7	3.7	3.7	4.0	3.9	3.9	3.9	3.6
15	Dewas	3.9	3.7	3.9	3.9	3.9	3.8	3.9	3.8	3.7	3.8	3.9	3.9	4.0	3.9	4.1	4.2	4.4	4.4	4.2	4.2	4.5	4.5	4.4	4.4	4.3	4.4	4.7	4.7	4.8	4.7	4.8
16	Dhar	4.3	4.3	4.3	4.4	4.5	4.5	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.7	4.6	4.8	5.1	4.9	4.6	4.8	4.9	5.0	4.9	5.0	5.0	5.1	5.3	5.4	5.3	5.2	5.3
17	Dindori	3.2	3.0	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.3	3.2	3.4	3.3	3.4	3.5	3.5	3.5	3.7	3.7	3.6	3.8	3.9	3.6	3.8	3.8	3.7	3.8	4.0	3.9	3.9	4.0
18	Guna	3.6	3.6	3.7	3.5	3.6	3.9	3.7	3.5	3.5	3.6	3.7	3.8	4.0	3.8	3.9	3.8	3.9	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.3	4.2	4.6	4.5	4.6	4.5	4.4
19	Gwalior	3.2	3.0	3.0	3.0	3.1	3.1	3.2	3.0	3.0	3.1	3.2	3.3	3.2	3.3	3.4	3.3	3.3	3.5	3.5	3.5	3.5	3.6	3.7	3.7	3.7	3.7	4.1	3.9	3.9	3.8	3.5
20	Harda	3.6	3.5	3.5	3.8	3.7	3.8	3.7	3.8	3.6	3.8	3.7	3.8	3.8	3.9	4.0	3.9	4.1	4.1	4.0	3.9	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.5
21	Hoshangabad	3.4	3.3	3.4	3.6	3.5	3.6	3.7	3.6	3.5	3.6	3.5	3.6	3.5	3.7	3.7	3.8	3.9	3.9	3.8	3.6	3.9	4.0	3.9	4.0	4.1	4.1	4.1	4.3	4.3	4.2	4.4
22	Indore	4.1	3.9	4.0	4.1	4.1	4.1	4.1	4.0	3.9	4.0	4.1	4.1	4.2	4.2	4.4	4.3	4.6	4.7	4.5	4.4	4.7	4.6	4.7	4.6	4.6	4.6	5.0	5.0	5.0	5.0	4.9
23	Jabalpur	3.0	2.8	3.1	3.2	3.2	3.3	3.3	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.6	3.6	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.8	3.9
24	Jhabua	4.4	4.3	4.4	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.3	4.5	4.6	4.6	4.8	5.0	4.6	4.5	4.7	4.8	4.9	4.8	5.0	4.9	4.9	5.2	5.2	5.1	5.0	5.1
25	Katni	3.3	3.1	3.1	3.3	3.4	3.3	3.3	3.2	3.3	3.4	3.4	3.3	3.5	3.6	3.8	3.7	3.8	4.0	3.6	3.6	3.8	3.7	3.9	4.0	3.9	4.0	4.0	4.1	3.9	4.0	4.2
26	Khandwa	4.0	3.8	3.7	3.9	4.1	4.0	4.0	4.0	4.0	4.0	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.1	4.5	4.4	4.5	4.6	4.5	4.5	4.7	4.8	4.8	4.7	4.8

Cont...

Daily ETo values of January for districts of Madhya Pradesh																																
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	Khargone	4.3	4.0	4.0	4.2	4.2	4.3	4.3	4.1	4.2	4.2	4.3	4.1	4.1	4.4	4.3	4.5	4.6	4.5	4.4	4.4	4.6	4.7	4.7	4.7	4.7	4.7	4.9	5.0	4.9	4.9	5.0
28	Mandla	3.6	3.3	3.5	3.6	3.6	3.6	3.7	3.5	3.5	3.6	3.6	3.7	3.6	3.7	3.8	3.7	3.7	4.0	4.0	3.9	4.1	4.1	3.9	4.2	4.1	4.0	4.2	4.2	4.2	4.2	4.4
29	Mandsaur	4.2	4.2	4.4	4.2	4.2	4.4	4.4	4.2	4.2	4.1	4.2	4.2	4.4	4.4	4.4	4.7	4.9	4.6	4.4	4.5	4.6	4.7	4.6	4.8	4.7	4.7	5.1	5.0	5.0	4.9	5.3
30	Morena	3.1	3.0	2.9	3.0	3.0	3.1	3.2	2.9	3.0	3.0	3.1	3.2	3.1	3.2	3.4	3.4	3.2	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.6	4.0	3.8	3.8	3.7	3.5
31	Narsinghpur	3.2	2.9	3.2	3.2	3.3	3.4	3.4	3.3	3.2	3.3	3.2	3.3	3.4	3.4	3.6	3.5	3.5	3.7	3.6	3.5	3.6	3.7	3.7	3.5	3.7	3.8	3.9	3.8	3.9	4.0	4.1
32	Neemuch	4.1	4.1	4.1	4.2	4.3	4.3	4.1	4.2	4.1	4.0	4.1	4.2	4.4	4.3	4.5	4.6	4.8	4.4	4.3	4.4	4.6	4.5	4.7	4.7	4.8	4.7	5.0	4.9	4.8	4.9	5.1
33	Panna	3.4	3.2	3.2	3.3	3.4	3.3	3.4	3.1	3.2	3.4	3.4	3.4	3.6	3.5	3.7	3.7	3.8	3.9	3.8	3.6	3.8	3.8	3.9	4.0	3.9	4.2	4.2	4.2	4.2	4.3	4.1
34	Raisen	3.7	3.6	3.8	3.7	3.7	3.9	3.7	3.6	3.6	3.9	3.8	3.8	3.9	3.9	4.1	4.0	4.2	4.3	4.1	3.9	4.3	4.3	4.3	4.3	4.2	4.3	4.5	4.6	4.7	4.7	4.8
35	Rajgarh	3.9	3.8	4.0	3.9	3.9	4.0	3.9	3.8	3.8	4.0	3.8	3.9	4.1	4.1	4.2	4.3	4.4	4.5	4.2	4.1	4.4	4.5	4.5	4.5	4.5	4.6	4.9	4.7	5.0	4.6	4.9
36	Ratlam	4.5	4.4	4.7	4.6	4.7	4.7	4.6	4.6	4.5	4.6	4.6	4.5	4.7	4.6	4.7	4.9	5.2	5.0	4.8	4.9	5.1	5.0	4.9	5.2	5.2	5.0	5.4	5.4	5.5	5.3	5.5
37	Rewa	3.4	3.1	3.1	3.3	3.4	3.2	3.4	3.3	3.1	3.4	3.4	3.5	3.5	3.5	3.7	3.7	3.7	3.9	3.8	3.6	3.8	3.8	3.9	4.0	3.9	4.0	4.1	4.1	4.1	4.2	4.1
38	Sagar	3.1	3.1	3.3	3.3	3.2	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.5	3.3	3.5	3.5	3.5	3.7	3.6	3.6	3.7	3.6	3.7	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.1
39	Satna	3.3	3.1	3.2	3.3	3.3	3.3	3.3	3.2	3.3	3.4	3.6	3.4	3.5	3.6	3.7	3.9	3.7	4.1	3.7	3.7	3.8	3.8	4.1	4.1	4.0	4.3	4.2	4.0	4.1	4.2	4.1
40	Seoni	3.4	3.5	3.6	3.4	3.7	3.7	3.5	3.6	3.7	3.7	3.7	3.7	3.5	3.9	3.6	3.9	3.9	4.1	3.8	4.3	4.1	4.2	4.0	4.4	4.0	4.0	4.2	4.4	4.2	4.2	4.2
41	Shahdol	3.2	3.0	3.1	3.2	3.2	3.1	3.2	3.2	3.0	3.3	3.2	3.4	3.4	3.4	3.6	3.6	3.4	3.8	3.6	3.5	3.6	3.8	3.6	3.7	3.5	3.7	3.9	4.0	3.7	3.8	3.9
42	Shajapur	4.1	3.9	4.1	4.0	4.0	4.1	4.0	4.0	3.9	4.1	4.0	4.0	4.2	4.1	4.3	4.3	4.6	4.5	4.3	4.3	4.5	4.6	4.5	4.6	4.5	4.6	5.0	4.9	5.1	4.8	5.0
43	Sehore	3.5	3.4	3.6	3.5	3.4	3.7	3.5	3.3	3.3	3.6	3.5	3.6	3.7	3.6	3.8	3.7	3.9	4.0	3.9	3.7	4.0	4.0	4.1	4.1	4.1	4.1	4.3	4.4	4.4	4.5	4.5
44	Seopur	3.3	3.5	3.5	3.3	3.3	3.6	3.7	3.6	3.5	3.4	3.6	3.9	3.7	3.5	4.0	3.9	3.9	3.7	3.8	3.8	3.9	4.0	4.1	4.1	4.3	4.0	4.3	4.4	4.3	4.1	4.2
45	Shivpuri	3.6	3.5	3.5	3.3	3.5	3.8	3.8	3.4	3.5	3.5	3.6	3.9	3.8	3.7	3.9	3.9	3.8	4.0	4.0	3.9	4.0	4.1	4.2	4.2	4.2	4.2	4.6	4.3	4.5	4.2	4.2
46	Sidhi	3.2	3.1	3.0	3.2	3.4	3.2	3.2	3.1	3.1	3.4	3.4	3.3	3.3	3.5	3.6	3.6	3.6	3.8	3.6	3.7	3.7	3.7	3.8	3.9	3.9	3.8	4.1	4.0	3.9	4.1	4.1
47	Singrauli	3.1	3.0	3.0	3.1	3.2	3.1	3.1	3.2	3.0	3.3	3.2	3.2	3.3	3.4	3.5	3.4	3.3	3.7	3.6	3.5	3.5	3.6	3.7	3.8	3.6	3.7	3.9	3.9	3.8	3.9	3.9
48	Tikamgarh	3.4	3.2	3.2	3.3	3.4	3.3	3.1	3.1	3.3	3.3	3.3	3.5	3.6	3.6	3.5	3.5	3.7	3.8	3.5	3.6	3.7	3.6	3.8	3.8	3.9	4.1	4.1	4.0	4.1	4.0	4.0
49	Ujjain	4.4	4.2	4.4	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.4	4.2	4.5	4.4	4.6	4.7	5.0	4.9	4.7	4.7	5.0	4.9	4.8	4.9	4.9	4.9	5.3	5.2	5.4	5.1	5.4
50	Umaria	3.1	2.9	3.1	3.2	3.2	3.3	3.3	3.2	3.1	3.3	3.2	3.4	3.3	3.4	3.7	3.6	3.5	3.8	3.6	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.9	4.0	3.8	3.8	4.0
51	Vidisha	3.4	3.5	3.6	3.6	3.5	3.7	3.6	3.3	3.5	3.6	3.5	3.6	3.7	3.6	3.9	3.8	3.9	4.1	3.9	3.8	4.1	4.1	4.1	4.2	4.1	4.1	4.3	4.3	4.5	4.5	4.5

Table 1.2: Daily ET_o values of February for districts of Madhya Pradesh

Daily ETo values of February for districts of Madhya Pradesh																														
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	Agar Malwa	5.1	5.0	5.0	5.2	5.2	5.3	5.5	5.6	5.5	5.5	5.7	5.6	5.7	6.1	5.7	5.8	5.7	6.1	6.0	6.1	6.4	6.1	6.5	6.8	6.6	6.4	6.4	6.8	7.1
2	Alirajpur	5.1	5.3	5.4	5.4	5.3	5.4	5.6	5.6	5.5	5.7	5.9	5.8	6.0	5.8	5.9	5.8	5.8	5.8	5.9	5.9	6.1	6.0	6.3	6.5	6.4	6.4	6.4	6.5	6.9
3	Anuppur	3.9	3.9	4.1	4.1	4.0	4.3	4.3	3.9	4.3	4.3	4.3	4.5	4.4	4.5	4.6	4.8	5.0	5.0	5.1	5.1	4.9	5.4	5.5	5.1	5.3	5.5	5.7	5.8	6.0
4	Ashoknagar	4.3	4.3	4.2	4.5	4.5	4.6	4.7	4.8	4.9	4.8	4.7	4.6	5.0	5.2	5.2	5.0	5.2	5.3	5.3	5.4	5.4	5.4	5.8	6.0	5.9	5.7	5.9	6.1	6.5
5	Balaghat	4.7	4.8	4.7	4.8	4.8	4.9	4.8	4.9	5.0	5.2	5.2	5.0	5.1	5.3	5.2	5.3	5.5	5.6	5.6	5.7	5.9	6.2	5.9	6.1	6.3	6.3	6.3	6.3	6.3
6	Barwani	5.2	5.1	5.2	5.4	5.5	5.5	5.6	5.5	5.7	5.7	5.9	5.8	6.0	5.9	6.1	6.0	5.9	5.9	6.0	6.1	6.1	6.1	6.5	6.7	6.5	6.5	6.4	6.9	6.8
7	Betul	4.7	4.5	4.8	4.8	4.8	4.9	4.9	5.0	4.9	5.0	5.0	5.2	5.0	5.3	5.2	5.2	5.4	5.4	5.6	5.7	5.7	5.8	6.0	6.1	6.0	6.0	6.1	6.1	6.5
8	Bhind	3.8	4.0	4.0	4.3	4.2	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.5	5.0	4.7	4.5	5.1	5.1	5.2	5.2	5.4	5.4	5.3	5.6	5.6	5.5	5.8	5.9	6.3
9	Bhopal	4.8	4.7	4.5	4.7	4.8	5.0	5.1	4.9	5.1	4.9	5.1	5.0	5.3	5.4	5.7	5.5	5.4	5.7	5.5	5.8	5.9	5.8	6.0	6.2	6.3	6.2	6.0	6.4	6.8
10	Burhanpur	4.9	4.8	4.9	5.1	5.1	5.0	5.1	5.3	5.3	5.4	5.5	5.6	5.5	5.6	5.5	5.6	5.6	5.7	5.7	5.7	5.8	5.7	6.1	6.1	6.2	6.2	5.9	6.3	6.5
11	Chhatarpur	4.3	4.2	4.1	4.3	4.6	4.7	4.8	4.6	4.7	4.7	4.7	4.7	5.1	5.4	5.4	4.9	5.2	5.4	5.2	5.5	5.7	5.5	5.7	6.0	5.9	5.7	6.1	6.2	6.5
12	Chhindwara	4.7	4.6	4.7	4.7	4.9	4.8	4.6	4.9	4.9	4.9	4.8	4.9	5.0	5.2	5.2	5.0	5.3	5.4	5.5	5.6	5.6	5.8	5.8	6.1	6.2	6.2	5.9	6.1	6.6
13	Damoh	4.3	4.2	4.0	4.2	4.5	4.6	4.6	4.5	4.6	4.5	4.7	4.6	4.9	4.9	5.0	4.8	4.9	5.1	5.0	5.1	5.3	5.3	5.5	5.7	5.6	5.8	5.8	5.9	6.0
14	Datia	3.8	3.9	4.0	4.3	4.4	4.5	4.5	4.5	4.6	4.4	4.3	4.2	4.7	4.9	5.0	4.6	5.1	5.1	5.2	5.2	5.4	5.3	5.3	5.7	5.5	5.5	5.7	5.9	6.5
15	Dewas	4.8	4.8	4.8	4.9	4.9	5.1	5.3	5.2	5.3	5.3	5.3	5.4	5.6	5.7	5.6	5.6	5.6	5.7	5.8	5.8	6.0	5.9	6.2	6.4	6.5	6.3	6.1	6.4	6.8
16	Dhar	5.3	5.3	5.5	5.5	5.5	5.7	5.8	5.7	5.9	5.9	6.0	6.1	6.3	6.1	6.0	6.0	6.0	6.1	6.2	6.2	6.3	6.5	6.8	6.9	6.7	6.6	6.6	7.1	7.1
17	Dindori	4.2	4.1	3.9	4.2	4.4	4.4	4.3	4.3	4.4	4.5	4.8	4.6	4.6	4.7	4.8	4.7	4.8	5.0	5.1	5.2	5.3	5.2	5.2	5.5	5.5	5.6	5.7	5.7	5.8
18	Guna	4.6	4.5	4.4	4.8	4.7	4.9	5.0	5.0	5.2	5.0	5.0	4.8	5.3	5.4	5.5	5.3	5.4	5.6	5.6	5.7	5.7	5.7	6.1	6.4	6.1	6.0	6.2	6.4	6.8
19	Gwalior	3.9	3.9	4.0	4.3	4.3	4.5	4.4	4.5	4.6	4.4	4.3	4.2	4.7	4.9	4.8	4.5	5.2	5.1	5.2	5.1	5.4	5.4	5.3	5.6	5.5	5.4	5.7	5.9	6.4
20	Harda	4.7	4.7	4.7	4.7	4.8	4.8	4.9	5.0	5.1	5.0	5.2	5.1	5.2	5.2	5.3	5.3	5.3	5.5	5.4	5.7	5.6	5.5	5.8	5.9	6.0	5.9	5.8	6.0	6.1
21	Hoshangaba	4.5	4.4	4.3	4.5	4.6	4.6	4.8	4.7	4.8	4.6	4.9	4.9	5.0	5.0	5.1	5.0	5.0	5.2	5.2	5.4	5.4	5.3	5.5	5.7	5.8	5.7	5.6	5.9	6.1
22	Indore	5.0	5.0	5.1	5.1	5.2	5.4	5.6	5.5	5.5	5.6	5.7	5.6	5.9	6.0	5.8	5.9	5.8	5.9	6.0	6.0	6.2	6.1	6.5	6.7	6.6	6.5	6.4	6.5	7.0
23	Jabalpur	4.2	4.0	3.8	4.1	4.3	4.3	4.3	4.2	4.3	4.3	4.5	4.5	4.6	4.6	4.9	4.6	4.7	4.9	4.9	5.0	5.2	5.1	5.2	5.5	5.4	5.4	5.5	5.7	6.0
24	Jhabua	5.1	5.2	5.3	5.3	5.3	5.4	5.5	5.5	5.7	5.7	5.9	5.9	5.9	5.7	5.7	5.7	5.7	5.8	5.8	5.9	5.9	6.1	6.3	6.4	6.3	6.2	6.2	6.6	6.5
25	Katni	4.3	4.2	4.0	4.2	4.5	4.5	4.6	4.5	4.4	4.4	4.7	4.8	4.8	5.0	4.9	4.9	5.1	5.0	5.1	5.3	5.4	5.3	5.6	5.6	5.7	5.7	5.7	6.0	6.1
26	Khandwa	4.9	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.4	5.4	5.6	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.8	5.7	6.0	6.2	6.2	6.2	6.0	6.3	6.5

Cont...

Daily ETo values of February for districts of Madhya Pradesh																														
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
27	Khargone	5.0	4.9	5.1	5.3	5.4	5.3	5.4	5.4	5.5	5.7	5.7	5.7	5.8	5.7	6.0	5.8	5.8	5.9	5.8	5.9	6.0	6.0	6.4	6.6	6.4	6.3	6.2	6.8	6.7
28	Mandla	4.5	4.5	4.3	4.5	4.6	4.6	4.6	4.6	4.7	4.8	4.9	4.9	4.8	5.0	5.1	4.9	5.0	5.3	5.3	5.4	5.6	5.6	5.6	5.8	5.8	5.9	5.9	5.9	5.9
29	Mandsaur	5.2	5.2	5.2	5.3	5.3	5.4	5.5	5.6	5.5	5.7	5.7	5.5	5.7	5.8	5.7	5.7	5.9	6.0	6.0	6.2	6.3	6.2	6.5	6.7	6.6	6.5	6.4	7.0	7.1
30	Morena	3.8	3.9	4.0	4.2	4.2	4.4	4.3	4.4	4.5	4.3	4.2	4.1	4.5	5.0	4.6	4.4	5.0	5.0	5.1	5.0	5.3	5.2	5.3	5.5	5.4	5.3	5.6	5.7	6.1
31	Narsinghpur	4.3	4.0	4.0	4.3	4.4	4.4	4.5	4.3	4.4	4.4	4.6	4.6	4.7	4.7	5.0	4.8	4.8	5.0	5.0	5.1	5.3	5.1	5.3	5.6	5.5	5.5	5.5	5.8	6.2
32	Neemuch	5.2	5.1	5.1	5.3	5.2	5.4	5.6	5.4	5.6	5.7	5.5	5.5	5.7	5.7	5.7	5.8	5.9	6.0	6.0	6.2	6.1	6.4	6.7	6.6	6.3	6.3	6.6	7.0	6.5
33	Panna	4.2	4.1	4.2	4.3	4.6	4.7	4.8	4.4	4.6	4.5	4.8	4.7	5.1	5.3	5.4	5.0	5.2	5.4	5.3	5.5	5.6	5.6	5.7	5.9	5.9	5.8	6.1	6.3	6.4
34	Raisen	4.9	4.8	4.7	4.8	4.9	5.1	5.2	5.1	5.3	5.1	5.3	5.2	5.4	5.7	5.8	5.6	5.6	5.8	5.7	5.9	6.1	6.0	6.2	6.4	6.5	6.3	6.2	6.5	7.0
35	Rajgarh	4.8	4.8	4.8	5.0	4.9	5.1	5.3	5.3	5.3	5.3	5.3	5.2	5.4	5.9	5.6	5.5	5.6	5.9	5.9	6.0	6.1	5.9	6.3	6.6	6.4	6.1	6.2	6.7	6.8
36	Ratlam	5.4	5.6	5.6	5.6	5.5	5.6	5.8	5.9	5.9	6.1	6.2	6.0	6.3	6.2	6.0	6.0	6.0	6.3	6.3	6.3	6.5	6.3	6.7	6.8	6.7	6.7	6.6	6.9	7.1
37	Rewa	4.2	4.1	4.1	4.2	4.6	4.6	4.7	4.5	4.7	4.5	4.8	4.8	4.9	5.2	5.2	4.9	5.1	5.3	5.3	5.5	5.5	5.6	5.6	5.9	5.9	6.0	6.0	6.2	6.3
38	Sagar	4.2	4.1	3.9	4.1	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.4	4.8	4.8	4.9	4.7	4.8	4.9	4.9	5.0	5.2	5.2	5.4	5.7	5.6	5.6	5.6	5.8	6.0
39	Satna	4.2	4.1	4.1	4.2	4.6	4.7	4.5	4.5	4.5	4.5	4.9	4.8	5.0	5.2	5.0	5.1	5.2	5.2	5.3	5.5	5.6	5.4	5.8	5.8	5.9	5.9	6.0	6.2	6.5
40	Seoni	4.8	4.6	4.8	4.6	4.6	4.8	4.7	4.7	4.9	5.0	4.8	4.9	4.9	5.2	5.0	5.1	5.3	5.3	5.4	5.6	5.7	5.7	5.7	5.9	6.0	6.0	5.9	6.0	6.4
41	Shahdol	4.0	3.9	3.9	4.1	4.4	4.3	4.2	4.3	4.3	4.3	4.6	4.5	4.5	4.8	4.8	4.8	4.8	5.0	4.9	5.1	5.2	5.1	5.2	5.4	5.4	5.4	5.5	5.7	6.0
42	Shajapur	5.0	4.9	4.9	5.0	5.1	5.2	5.4	5.4	5.4	5.4	5.5	5.4	5.6	6.0	5.7	5.7	5.6	6.0	6.0	6.0	6.3	6.0	6.4	6.7	6.5	6.2	6.3	6.8	7.0
43	Sehore	4.6	4.4	4.3	4.6	4.8	4.8	4.9	4.9	5.0	4.9	5.0	4.9	5.2	5.4	5.5	5.3	5.2	5.5	5.4	5.5	5.7	5.7	5.9	6.0	6.1	6.0	5.9	6.2	6.8
44	Seopur	4.4	4.4	4.4	4.7	4.7	4.7	4.8	4.9	5.0	4.9	4.7	4.5	4.9	5.3	5.2	5.0	5.3	5.4	5.4	5.5	5.6	5.9	5.9	5.8	5.7	5.5	6.0	6.1	6.0
45	Shivpuri	4.4	4.4	4.4	4.9	4.8	4.8	4.9	4.9	5.0	4.9	4.8	4.7	5.2	5.3	5.3	5.1	5.4	5.5	5.6	5.7	5.8	5.8	5.9	6.0	5.8	5.8	6.2	6.3	6.5
46	Sidhi	4.1	4.1	4.1	4.2	4.5	4.6	4.5	4.4	4.3	4.5	4.8	4.7	4.8	5.1	4.7	4.9	5.1	5.1	5.1	5.4	5.4	5.4	5.6	5.8	5.8	5.7	5.7	6.1	6.0
47	Singrauli	3.9	3.9	3.9	4.0	4.3	4.2	4.3	4.2	4.3	4.2	4.5	4.4	4.4	4.8	4.7	4.6	4.8	4.9	4.9	5.1	5.1	5.2	5.1	5.3	5.5	5.5	5.5	5.5	5.6
48	Tikamgarh	4.0	4.1	4.0	4.2	4.4	4.6	4.7	4.5	4.5	4.6	4.6	4.6	4.9	5.1	4.8	4.9	5.1	5.0	5.0	5.4	5.2	5.4	5.7	5.9	5.4	5.7	5.7	6.2	6.6
49	Ujjain	5.3	5.3	5.4	5.5	5.4	5.5	5.8	5.7	5.8	5.8	6.0	5.8	6.1	6.2	5.9	6.0	5.9	6.2	6.2	6.3	6.5	6.3	6.7	6.9	6.8	6.7	6.6	7.0	7.3
50	Umariya	4.2	4.0	3.9	4.1	4.3	4.4	4.3	4.3	4.4	4.3	4.6	4.5	4.6	4.8	4.9	4.7	4.8	5.0	5.0	5.1	5.2	5.2	5.3	5.5	5.3	5.5	5.6	5.7	6.0
51	Vidisha	4.7	4.6	4.4	4.6	4.7	4.9	5.0	4.8	5.0	4.9	5.0	4.9	5.2	5.3	5.5	5.4	5.4	5.6	5.4	5.7	5.8	5.8	5.9	6.2	6.2	6.1	6.0	6.3	6.8

Table 1.3: Daily ET_o values of March for districts of Madhya Pradesh

Daily ETo values of March for districts of Madhya Pradesh																																	
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	Agar Malwa	6.9	7.0	6.8	7.1	7.1	7.1	7.1	7.0	7.0	7.2	7.5	7.7	7.5	7.4	7.3	7.3	7.7	8.0	8.5	8.3	8.1	8.4	8.3	8.4	8.4	8.3	8.0	8.2	8.5	8.3	8.3	
2	Alirajpur	6.6	6.6	6.8	7.0	6.9	7.0	6.8	6.8	6.7	6.9	7.0	7.3	7.1	7.0	7.0	7.1	7.3	7.7	7.9	7.7	7.7	7.8	7.8	7.8	7.9	7.8	7.7	7.9	8.1	7.8	8.1	
3	Anuppur	5.7	5.6	5.8	5.9	5.9	5.8	5.8	5.6	5.7	6.0	6.3	6.3	6.1	6.3	6.4	6.6	6.7	7.0	7.0	7.1	7.0	7.0	6.7	6.9	6.8	6.9	6.9	7.4	7.2	7.2	7.4	
4	Ashoknagar	6.4	6.3	6.1	6.4	6.4	6.3	6.4	6.4	6.5	6.6	7.0	7.0	7.2	7.0	6.8	7.0	7.4	7.3	7.6	7.7	7.9	7.7	7.7	7.7	7.9	7.9	7.7	7.7	8.2	8.1	7.7	
5	Balaghat	6.6	6.6	6.4	6.7	6.3	6.4	6.7	6.5	6.7	6.4	6.3	6.7	7.0	7.0	6.9	6.6	7.1	7.1	7.4	7.4	7.6	7.6	7.5	7.6	7.6	7.7	7.6	7.5	7.6	7.9	7.9	
6	Barwani	6.7	6.9	7.1	7.1	7.0	7.1	6.9	7.0	6.9	7.2	7.5	7.5	7.2	7.1	7.2	7.4	7.8	8.1	8.3	8.0	8.1	8.2	8.1	8.2	8.3	8.2	8.0	8.5	8.4	8.3	8.6	
7	Betul	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.5	6.3	6.2	6.5	6.6	6.5	6.5	6.5	6.4	6.8	7.0	7.3	7.3	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.5	7.7	7.7	7.7	
8	Bhind	6.2	6.3	6.1	6.5	6.4	6.2	6.5	6.5	6.3	6.4	6.8	6.7	6.7	6.8	6.7	7.0	7.5	7.3	7.4	7.7	7.6	7.9	7.6	7.7	7.8	7.6	7.7	7.6	8.1	8.1	8.0	
9	Bhopal	6.5	6.5	6.6	6.6	6.5	6.9	6.7	6.8	6.7	6.7	6.8	7.2	7.1	7.1	7.0	6.7	7.3	7.4	7.6	8.0	7.8	7.8	7.9	7.8	8.0	8.0	7.8	7.9	8.1	8.1	7.8	
10	Burhanpur	6.3	6.5	6.5	6.5	6.5	6.8	6.4	6.6	6.4	6.4	6.7	6.9	6.8	6.6	6.6	6.7	6.8	7.0	7.2	7.5	7.3	7.4	7.5	7.6	7.6	7.5	7.5	7.4	7.5	7.7	7.5	
11	Chhatarpur	6.6	6.6	6.3	6.5	6.7	6.5	6.8	6.6	6.8	7.0	7.1	7.1	7.2	7.2	6.9	7.4	7.7	7.6	7.9	8.0	8.0	8.1	8.1	7.9	8.3	8.0	7.9	8.0	8.4	8.4	8.1	
12	Chhindwara	6.4	6.4	6.4	6.4	6.3	6.5	6.6	6.3	6.4	6.2	6.2	6.7	6.7	6.6	6.3	6.4	6.7	7.0	7.1	7.3	7.5	7.3	7.6	7.5	7.7	7.5	7.3	7.5	7.7	7.7	7.8	
13	Damoh	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.0	6.2	6.4	6.3	6.7	6.8	6.5	6.6	6.5	7.0	7.0	7.0	7.2	7.3	7.3	7.3	7.2	7.6	7.4	7.2	7.3	7.5	7.6	7.5	
14	Datia	6.3	6.4	6.0	6.3	6.4	6.1	6.5	6.3	6.4	6.5	6.8	6.9	6.9	6.8	6.7	6.8	7.6	7.4	7.7	7.7	7.9	8.0	7.8	7.7	8.1	7.8	7.8	7.6	8.2	8.3	8.0	
15	Dewas	6.6	6.7	6.7	6.8	6.8	6.9	6.8	6.9	6.8	6.8	7.1	7.4	7.3	7.0	7.0	6.8	7.3	7.7	8.1	8.1	7.8	7.8	8.0	8.0	7.9	8.0	7.8	8.0	8.2	8.2	8.0	
16	Dhar	6.9	7.2	7.3	7.4	7.4	7.4	7.0	7.4	7.2	7.4	7.7	7.7	7.4	7.4	7.5	7.5	7.9	8.2	8.5	8.3	8.2	8.3	8.2	8.3	8.2	8.2	8.2	8.4	8.4	8.3	8.6	
17	Dindori	5.7	5.7	5.6	5.9	5.9	5.9	6.2	6.0	5.8	6.1	6.0	6.3	6.3	6.4	6.3	6.2	6.7	6.7	6.8	7.0	7.0	7.1	6.9	7.0	7.1	7.2	7.2	7.0	7.2	7.4	7.3	
18	Guna	6.7	6.5	6.4	6.7	6.7	6.6	6.6	6.8	6.8	6.9	7.3	7.3	7.4	7.3	7.0	7.3	7.6	7.6	7.8	8.0	8.2	7.9	8.0	8.0	8.2	8.2	7.9	8.0	8.5	8.3	7.9	
19	Gwalior	6.2	6.3	6.1	6.4	6.3	6.1	6.4	6.3	6.4	6.5	6.8	6.8	6.8	6.7	6.7	6.8	7.5	7.3	7.5	7.7	7.8	7.9	7.7	7.7	8.0	7.7	7.7	7.5	8.1	8.1	7.8	
20	Harda	6.1	6.1	6.1	6.4	6.4	6.5	6.3	6.5	6.2	6.3	6.6	6.8	6.6	6.5	6.5	6.4	6.8	6.9	7.0	7.2	7.1	7.2	7.3	7.5	7.4	7.3	7.3	7.4	7.5	7.5	7.3	
21	Hoshangaba	5.9	5.9	6.0	6.2	6.2	6.3	6.1	6.2	6.0	6.2	6.4	6.7	6.4	6.3	6.3	6.2	6.6	6.7	6.9	7.1	6.9	7.2	7.2	7.1	7.3	7.1	7.1	7.1	7.3	7.4	7.1	
22	Indore	6.8	6.9	7.0	7.1	7.2	7.2	7.0	7.1	7.0	7.0	7.3	7.6	7.6	7.1	7.2	7.2	7.6	7.9	8.3	8.3	7.9	7.9	8.3	8.2	8.1	8.1	8.0	8.1	8.4	8.3	8.2	
23	Jabalpur	5.7	5.6	5.7	5.9	6.0	6.0	6.0	5.8	5.9	6.0	6.0	6.4	6.4	6.3	6.4	6.3	6.6	6.7	6.9	7.0	7.0	6.9	7.0	6.9	7.3	7.2	7.0	6.9	7.3	7.4	7.2	
24	Jhabua	6.6	6.7	6.9	6.9	6.9	6.9	6.7	6.9	6.7	6.9	7.2	7.3	7.1	7.0	7.0	7.1	7.4	7.5	7.8	7.6	7.6	7.6	7.5	7.8	7.7	7.6	7.7	7.9	7.8	7.7	8.0	
25	Katni	6.2	6.1	6.0	6.3	6.3	6.2	6.2	6.1	6.3	6.4	6.7	6.8	6.4	6.7	6.7	6.7	7.0	7.1	7.4	7.4	7.2	7.1	7.3	7.2	7.6	7.3	7.4	7.6	7.5	7.7	7.9	
26	Khandwa	6.4	6.5	6.6	6.6	6.5	6.8	6.5	6.7	6.5	6.4	6.7	7.0	6.9	6.7	6.7	6.8	6.8	7.1	7.2	7.6	7.3	7.4	7.6	7.7	7.7	7.6	7.7	7.7	7.8	7.9	7.5	

Cont..

Daily ETo values of March for districts of Madhya Pradesh																																
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	Khargone	6.6	6.7	6.9	6.9	6.9	7.0	6.8	6.9	6.8	7.1	7.3	7.4	7.1	7.0	7.1	7.2	7.5	7.9	8.0	8.0	7.9	8.2	8.1	8.2	8.3	8.1	7.8	8.4	8.3	8.2	8.5
28	Mandla	5.9	6.0	5.9	6.2	6.1	6.2	6.5	6.2	6.1	6.3	6.2	6.6	6.5	6.6	6.4	6.4	6.7	6.8	7.0	7.1	7.1	7.2	7.1	7.1	7.2	7.3	7.3	7.2	7.4	7.5	7.5
29	Mandsaur	7.1	6.9	6.8	7.1	6.9	7.1	7.2	6.9	6.9	7.1	7.6	7.8	7.7	7.4	7.5	7.6	7.7	7.9	8.5	8.1	8.1	8.1	8.4	8.3	8.4	8.1	8.0	8.0	8.5	8.2	8.4
30	Morena	6.1	6.0	6.0	6.3	6.1	6.0	6.3	6.2	6.2	6.3	6.8	6.7	6.6	6.5	6.5	6.7	7.3	7.1	7.3	7.5	7.6	7.8	7.4	7.5	7.7	7.4	7.5	7.4	8.0	7.9	7.7
31	Narsinghpur	5.8	5.7	5.7	6.0	6.1	6.2	6.1	6.0	6.0	6.1	6.1	6.6	6.4	6.3	6.4	6.1	6.7	6.8	7.0	7.2	7.2	7.1	7.2	7.1	7.4	7.3	7.1	7.0	7.5	7.4	7.3
32	Neemuch	7.1	6.8	6.9	6.9	6.8	7.2	6.8	6.9	6.9	7.2	7.7	7.6	7.5	7.4	7.4	7.5	7.9	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.1	7.8	8.1	8.2	8.2	8.3	8.7
33	Panna	6.5	6.7	6.4	6.6	6.8	6.6	6.8	6.7	6.7	7.0	7.1	7.3	7.3	7.3	7.0	7.5	7.9	7.6	7.9	8.0	8.1	8.2	8.2	7.9	8.4	8.2	8.0	8.0	8.3	8.5	8.2
34	Raisen	6.7	6.7	6.7	6.8	6.7	7.0	6.8	7.0	6.8	6.8	7.0	7.4	7.2	7.2	7.1	6.9	7.4	7.6	7.9	8.2	8.0	8.0	8.2	8.0	8.2	8.2	8.0	8.2	8.3	8.3	8.0
35	Rajgarh	6.5	6.7	6.6	6.9	6.7	6.8	6.7	6.9	6.9	7.0	7.3	7.3	7.3	7.3	7.0	7.1	7.6	7.5	8.0	8.1	8.0	8.2	8.1	8.2	8.3	8.0	7.8	8.0	8.3	8.0	7.8
36	Ratlam	7.1	7.1	7.2	7.4	7.2	7.4	7.2	7.2	7.2	7.2	7.5	7.8	7.6	7.4	7.6	7.5	7.7	7.8	8.3	8.2	8.0	8.1	8.3	8.2	8.3	8.3	8.1	8.3	8.5	8.2	8.2
37	Rewa	6.3	6.5	6.4	6.5	6.8	6.6	6.5	6.4	6.7	6.6	6.9	7.1	7.1	7.1	7.1	7.4	7.7	7.6	7.7	8.0	7.9	8.1	8.0	7.7	8.2	8.2	8.0	7.8	8.0	8.3	8.2
38	Sagar	5.9	5.9	6.0	6.0	6.0	6.0	6.1	6.0	6.1	6.2	6.2	6.7	6.7	6.6	6.5	6.4	7.0	6.9	7.0	7.2	7.4	7.3	7.2	7.2	7.5	7.4	7.3	7.3	7.4	7.6	7.4
39	Satna	6.5	6.4	6.4	6.8	6.6	6.5	6.7	6.4	6.8	6.8	7.1	7.2	7.1	7.1	7.3	7.3	7.7	7.6	7.9	8.0	7.9	8.0	8.0	7.8	8.1	8.1	8.1	8.1	8.1	8.3	8.3
40	Seoni	6.4	6.2	6.5	6.3	6.1	6.5	6.4	6.2	6.2	5.9	6.3	6.5	6.7	6.5	6.3	6.4	6.4	6.8	6.9	7.1	7.1	7.3	7.1	7.2	7.3	7.2	7.0	7.3	7.2	7.4	7.5
41	Shahdol	5.8	5.8	5.7	5.7	6.1	6.0	6.1	5.9	6.0	6.2	6.2	6.4	6.2	6.5	6.3	6.4	6.8	6.9	7.1	7.1	7.0	7.2	7.0	6.9	7.1	7.3	7.1	7.0	7.3	7.4	7.4
42	Shajapur	6.7	6.9	6.7	7.0	6.9	7.0	7.0	7.0	6.9	7.2	7.4	7.5	7.4	7.3	7.2	7.2	7.6	7.8	8.3	8.3	8.1	8.3	8.2	8.3	8.3	8.2	8.0	8.2	8.5	8.3	8.1
43	Sehore	6.5	6.3	6.4	6.4	6.4	6.6	6.5	6.6	6.5	6.5	6.7	7.0	7.1	7.0	6.8	6.7	7.3	7.3	7.5	7.8	7.8	7.7	7.9	7.6	7.7	7.9	7.7	7.9	8.0	8.0	7.7
44	Seopur	6.2	6.2	6.2	6.4	6.3	6.3	6.1	6.4	6.2	6.5	6.6	6.9	6.8	6.6	6.8	7.1	7.3	7.2	7.4	7.6	7.6	7.7	7.6	7.6	7.5	7.6	7.7	7.4	7.7	8.0	7.4
45	Shivpuri	6.7	6.6	6.3	6.6	6.7	6.4	6.7	6.5	6.7	6.9	7.3	7.3	7.2	7.1	7.0	7.2	7.6	7.6	8.0	7.9	8.2	8.2	7.9	8.1	8.4	8.0	8.0	7.9	8.5	8.4	8.1
46	Sidhi	6.3	6.2	6.3	6.5	6.4	6.3	6.5	6.2	6.6	6.5	6.8	6.9	7.0	6.9	7.1	7.2	7.4	7.5	7.6	7.8	7.7	7.9	7.7	7.6	7.9	7.8	7.8	7.7	7.8	8.0	8.2
47	Singrauli	5.7	5.8	5.9	5.9	6.3	6.0	6.0	5.9	6.0	6.1	6.3	6.3	6.4	6.6	6.4	6.7	6.8	7.0	7.1	7.2	7.2	7.4	7.1	7.1	7.4	7.4	7.1	7.2	7.2	7.5	7.5
48	Tikamgarh	6.3	6.2	6.1	6.3	6.3	6.2	6.4	6.4	6.6	6.9	6.9	7.0	7.0	6.8	6.9	7.1	7.3	7.5	7.7	7.8	7.8	7.8	7.6	7.7	8.0	7.6	7.7	8.0	8.0	8.0	8.2
49	Ujjain	7.0	7.2	7.2	7.4	7.3	7.4	7.3	7.2	7.3	7.4	7.6	8.0	7.7	7.5	7.6	7.6	7.9	8.2	8.7	8.4	8.2	8.4	8.5	8.5	8.5	8.5	8.3	8.4	8.7	8.5	8.5
50	Umaria	5.8	5.8	5.8	5.8	6.1	6.0	6.2	5.8	6.0	6.1	6.1	6.4	6.3	6.3	6.3	6.4	6.9	6.8	7.0	7.1	6.9	7.0	6.9	6.9	7.2	7.2	7.2	7.0	7.2	7.4	7.4
51	Vidisha	6.5	6.4	6.5	6.6	6.5	6.7	6.7	6.7	6.7	6.7	6.8	7.2	7.1	7.1	7.0	6.8	7.4	7.5	7.6	7.9	7.9	7.7	7.9	7.8	8.0	8.0	7.9	8.0	8.2	8.1	7.8

Table 1.4: Daily ET_o values of April for districts of Madhya Pradesh

Daily ETo values of April for districts of Madhya Pradesh																															
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Agar Malwa	8.8	8.7	8.8	8.7	9.0	8.8	8.9	9.2	9.4	9.3	9.3	9.5	9.3	9.5	9.6	9.8	9.7	9.9	10.0	10.0	9.9	10.0	9.9	9.9	10.2	10.3	10.3	10.6	10.5	10.9
2	Alirajpur	8.4	8.0	8.2	8.2	8.1	8.1	8.2	8.6	8.6	8.5	8.7	8.7	8.6	8.8	8.8	8.8	9.0	8.9	8.9	8.8	9.1	9.2	9.3	9.2	9.4	9.3	9.4	9.6	9.5	9.8
3	Anuppur	7.2	7.1	7.4	7.4	7.2	7.3	7.4	7.8	8.2	7.9	7.6	7.7	7.6	7.6	8.0	8.0	8.0	8.0	8.1	7.7	7.9	8.2	8.0	7.9	8.2	8.2	8.1	8.2	8.0	7.9
4	Ashoknagar	8.3	8.3	8.3	8.4	8.3	8.3	8.6	8.5	8.9	8.7	8.6	8.8	8.5	8.6	8.9	9.2	9.0	9.2	9.1	9.3	9.3	9.2	9.4	9.3	9.5	9.6	9.6	9.8	9.5	9.7
5	Balaghat	7.9	8.0	8.0	7.9	7.8	8.1	8.1	8.0	8.1	8.2	8.2	8.2	8.3	8.1	8.2	8.0	8.2	8.4	8.4	8.4	8.7	8.7	8.5	8.5	8.4	8.6	8.9	8.8	8.8	8.8
6	Barwani	8.5	8.8	8.8	8.6	8.8	8.5	8.7	9.2	9.0	9.1	9.4	9.2	9.4	9.4	9.5	9.5	9.5	9.7	9.5	9.6	9.9	10.0	10.0	10.0	10.0	10.0	10.2	10.4	10.4	10.5
7	Betul	7.7	7.8	7.8	7.8	7.7	7.9	7.9	7.8	8.1	7.9	8.0	8.1	8.2	8.0	8.3	8.4	8.4	8.5	8.3	8.4	8.6	8.5	8.6	8.6	8.5	8.6	8.7	8.9	8.7	8.7
8	Bhind	8.4	8.2	8.5	8.1	8.3	8.4	8.8	8.9	8.9	9.0	8.7	8.6	8.7	8.9	8.7	8.9	9.5	9.2	9.2	9.6	9.4	9.4	9.9	9.4	9.4	9.6	9.4	10.0	10.0	9.8
9	Bhopal	8.3	8.3	8.3	8.3	8.5	8.2	8.4	8.5	8.8	8.6	8.4	8.7	8.5	8.8	8.7	8.9	9.0	9.1	9.0	8.9	9.1	9.2	9.1	9.0	9.3	9.3	9.5	9.4	9.3	9.6
10	Burhanpur	7.9	8.0	8.1	7.9	7.9	7.9	8.1	8.3	8.4	8.3	8.1	8.3	8.5	8.6	8.6	8.4	8.6	8.7	8.9	8.6	8.7	8.8	8.7	8.9	8.9	8.8	9.1	9.0	9.4	9.2
11	Chhatarpur	8.4	8.3	8.5	8.7	8.7	8.6	8.8	8.7	9.3	9.0	9.0	8.8	9.0	8.8	9.0	9.2	9.6	9.4	9.1	9.6	9.6	9.4	9.6	9.3	9.6	9.8	9.4	9.8	9.9	10.1
12	Chhindwara	7.5	7.9	7.8	7.8	7.6	7.9	7.7	7.9	8.3	8.4	8.1	8.2	8.0	8.1	8.0	8.4	8.7	8.6	8.5	8.6	8.5	8.8	8.5	8.4	8.6	8.6	8.7	8.9	9.0	8.9
13	Damoh	7.7	7.8	7.7	8.0	7.9	7.7	7.9	7.9	8.1	8.2	8.1	8.1	7.9	8.1	8.1	8.2	8.4	8.5	8.3	8.5	8.6	8.6	8.6	8.1	8.6	8.8	8.7	8.8	8.7	9.1
14	Datia	8.5	8.3	8.6	8.5	8.5	8.6	8.7	8.9	9.1	9.0	8.9	8.9	9.0	8.8	9.1	9.3	9.6	9.3	9.3	9.9	9.6	9.6	10.2	9.6	9.9	10.0	9.9	10.1	10.1	10.2
15	Dewas	8.4	8.3	8.6	8.4	8.7	8.5	8.4	8.7	9.0	8.8	8.6	9.1	9.0	9.0	9.0	9.2	9.2	9.4	9.4	9.4	9.4	9.5	9.4	9.4	9.6	9.8	9.8	10.0	9.9	10.2
16	Dhar	8.7	8.9	8.9	8.6	8.9	8.7	9.0	9.2	9.0	9.0	9.4	9.2	9.3	9.2	9.6	9.7	9.5	9.8	9.5	9.4	9.8	9.9	9.7	9.8	9.9	9.9	10.0	10.2	10.4	10.4
17	Dindori	7.3	7.5	7.7	7.6	7.4	7.4	7.5	7.6	7.9	8.0	8.0	7.9	7.9	7.8	8.0	7.8	8.2	8.2	8.1	8.4	8.4	8.2	8.3	8.1	8.4	8.4	8.6	8.4	8.7	8.6
18	Guna	8.6	8.6	8.6	8.7	8.7	8.6	8.9	8.8	9.2	9.1	8.9	9.1	8.7	8.9	9.3	9.4	9.3	9.5	9.4	9.6	9.6	9.5	9.7	9.5	9.8	10.0	10.0	10.1	9.9	10.0
19	Gwalior	8.4	8.1	8.6	8.2	8.3	8.4	8.6	8.8	9.0	8.9	8.9	8.7	8.7	8.8	8.8	9.1	9.5	9.2	9.3	9.7	9.4	9.6	10.1	9.5	9.7	9.9	9.6	10.2	10.0	10.0
20	Harda	7.7	7.8	7.9	7.7	7.8	7.6	7.9	8.1	8.0	8.0	7.9	8.1	8.1	8.1	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.6	8.4	8.6	8.6	8.7	8.6	8.8	8.8	9.1
21	Hoshangabad	7.4	7.5	7.7	7.7	7.5	7.5	7.7	7.8	7.8	7.9	7.7	7.9	7.9	7.9	8.1	8.0	8.1	8.2	8.2	8.2	8.2	8.3	8.2	8.3	8.6	8.5	8.5	8.6	8.5	8.8
22	Indore	8.5	8.5	8.8	8.6	8.7	8.7	8.5	8.9	9.1	8.9	8.8	9.3	9.2	9.1	9.1	9.4	9.4	9.5	9.5	9.4	9.5	9.6	9.4	9.5	9.7	9.8	10.0	10.0	9.9	10.2
23	Jabalpur	7.4	7.5	7.5	7.6	7.5	7.4	7.6	7.7	8.0	8.0	8.0	7.9	8.0	8.0	8.0	8.0	8.4	8.5	8.2	8.4	8.3	8.4	8.4	8.1	8.5	8.6	8.6	8.7	8.8	8.8
24	Jhabua	8.1	8.2	8.1	7.9	8.2	8.0	8.3	8.5	8.3	8.4	8.7	8.4	8.6	8.5	8.8	8.9	8.7	8.9	8.8	8.7	9.0	9.1	9.1	9.2	9.2	9.2	9.1	9.5	9.6	9.6
25	Katni	7.7	7.7	8.0	8.0	7.9	7.8	8.0	7.9	8.3	8.3	8.2	8.1	8.2	8.1	8.2	8.2	8.7	8.6	8.4	8.7	8.4	8.6	8.7	8.2	8.6	8.9	8.6	8.9	8.8	8.9
26	Khandwa	8.0	8.1	8.2	8.0	8.1	8.0	8.0	8.4	8.5	8.3	8.2	8.4	8.6	8.6	8.7	8.4	8.7	8.9	8.9	8.8	8.9	9.0	8.9	9.1	9.1	9.1	9.3	9.3	9.5	9.3

Cont...

Daily ETo values of April for districts of Madhya Pradesh																															
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
27	Khargone	8.4	8.7	8.8	8.6	8.8	8.4	8.7	9.1	9.0	9.0	9.1	9.2	9.4	9.4	9.4	9.5	9.6	9.7	9.5	9.6	9.9	9.9	9.9	10.0	9.9	10.0	10.2	10.3	10.3	10.4
28	Mandla	7.4	7.6	7.7	7.6	7.5	7.6	7.8	7.7	7.8	7.8	8.0	7.9	8.0	7.8	8.1	8.0	8.3	8.3	8.2	8.4	8.3	8.2	8.4	8.1	8.4	8.5	8.7	8.6	8.7	8.6
29	Mandsaur	8.9	8.8	8.8	8.7	8.7	8.8	8.9	9.3	9.2	9.4	9.4	9.3	9.0	9.5	9.4	9.4	9.6	9.8	9.9	9.8	9.9	9.9	9.7	10.0	10.2	10.3	10.3	10.2	10.2	10.6
30	Morena	8.1	8.0	8.4	8.1	8.1	8.3	8.4	8.7	8.8	8.8	8.7	8.4	8.4	8.7	8.6	8.7	9.2	9.0	9.2	9.5	9.2	9.4	9.9	9.3	9.4	9.6	9.2	10.0	9.8	9.7
31	Narsinghpur	7.5	7.7	7.7	7.8	7.6	7.4	7.7	7.8	8.2	8.2	8.1	8.2	8.1	8.2	8.2	8.3	8.4	8.6	8.6	8.8	8.6	8.6	8.6	8.5	8.8	8.8	8.9	9.0	9.0	9.0
32	Neemuch	8.7	8.9	8.9	8.6	8.6	8.6	9.1	9.3	8.8	9.3	9.3	8.9	9.2	9.3	9.3	9.4	9.5	9.6	9.7	9.5	10.0	9.9	9.6	10.2	10.2	10.0	9.9	10.1	10.3	10.5
33	Panna	8.4	8.3	8.6	8.6	8.8	8.6	9.0	9.0	9.4	9.2	9.1	9.0	9.3	8.9	9.1	9.3	9.7	9.6	9.4	9.9	10.0	9.6	9.8	9.4	9.7	9.9	9.6	9.9	10.2	10.1
34	Raisen	8.5	8.5	8.5	8.4	8.7	8.5	8.6	8.8	9.1	8.9	8.6	9.1	8.8	9.1	9.0	9.2	9.3	9.3	9.3	9.2	9.4	9.5	9.5	9.3	9.6	9.7	9.8	9.8	9.7	9.9
35	Rajgarh	8.6	8.5	8.6	8.6	8.6	8.5	8.7	8.8	9.2	9.0	8.9	9.1	9.0	9.2	9.3	9.5	9.2	9.6	9.6	9.7	9.5	9.5	9.6	9.5	9.8	10.1	10.2	10.2	10.1	10.5
36	Ratlam	8.7	8.5	8.6	8.5	8.6	8.7	8.8	9.0	8.9	8.9	8.9	9.1	9.0	9.0	9.1	9.2	9.5	9.3	9.4	9.2	9.4	9.5	9.5	9.4	9.7	9.9	9.7	10.0	9.9	10.3
37	Rewa	8.3	8.0	8.3	8.2	8.6	8.4	8.7	8.7	9.0	9.0	8.9	8.8	9.1	8.6	8.7	9.0	9.4	9.4	8.9	9.5	9.6	9.3	9.6	9.3	9.2	9.4	9.3	9.6	9.7	9.7
38	Sagar	7.8	7.9	7.7	8.0	7.8	7.7	7.9	7.9	8.2	8.1	8.1	8.1	8.0	8.0	8.2	8.4	8.6	8.6	8.4	8.5	8.6	8.7	8.6	8.4	8.7	8.8	8.8	8.8	8.6	8.9
39	Satna	8.1	8.1	8.4	8.5	8.6	8.4	9.0	8.6	9.1	9.1	8.8	8.8	9.0	8.6	8.7	9.2	9.4	9.2	9.2	9.7	9.3	9.5	9.6	9.0	9.3	9.6	9.1	9.8	9.7	9.7
40	Seoni	7.4	7.3	7.1	7.6	7.5	7.4	7.3	7.5	7.8	7.8	7.6	7.9	7.6	7.3	7.9	7.9	7.9	8.1	7.9	8.2	8.0	8.1	8.0	7.9	7.8	8.1	8.2	8.3	8.5	8.2
41	Shahdol	7.5	7.4	7.7	7.7	7.6	7.6	7.7	7.7	8.1	8.2	8.1	8.0	8.2	7.9	8.2	8.1	8.4	8.4	8.3	8.5	8.6	8.3	8.8	8.6	8.6	8.9	8.9	8.9	8.8	8.9
42	Shajapur	8.8	8.6	8.7	8.7	8.9	8.7	8.8	9.0	9.3	9.3	9.1	9.4	9.2	9.4	9.5	9.7	9.5	9.8	9.8	10.0	9.8	9.9	9.8	9.8	10.1	10.2	10.3	10.5	10.4	10.7
43	Sehore	8.2	8.2	8.1	8.3	8.4	8.3	8.3	8.3	8.7	8.5	8.4	8.7	8.5	8.5	8.5	8.8	9.2	9.3	9.2	9.1	9.1	9.0	9.1	8.9	9.4	9.3	9.4	9.4	9.1	9.5
44	Seopur	8.0	8.2	8.3	8.0	8.1	8.1	8.5	8.5	8.6	8.9	8.4	8.3	8.1	8.4	8.8	8.8	9.1	8.7	8.8	9.1	9.0	9.0	9.1	9.4	9.3	9.3	9.3	9.8	9.2	9.6
45	Shivpuri	8.9	8.7	8.9	8.8	8.7	8.9	9.0	9.1	9.4	9.2	9.2	9.2	9.0	9.1	9.6	9.8	9.8	9.7	9.8	9.9	9.9	9.9	10.4	10.1	10.3	10.5	10.3	10.5	10.4	10.8
46	Sidhi	8.2	7.7	8.1	8.3	8.4	8.3	8.5	8.3	8.6	8.7	8.7	8.7	8.8	8.6	8.7	9.0	9.1	9.1	8.9	9.2	9.3	9.4	9.3	9.2	9.1	9.6	9.0	9.8	9.6	9.4
47	Singrauli	7.7	7.4	7.6	7.5	7.6	7.8	7.8	7.8	8.1	8.2	8.2	8.3	8.3	7.9	7.9	8.2	8.4	8.4	8.5	8.6	8.8	8.5	8.8	8.6	8.4	8.7	8.7	8.7	8.8	8.8
48	Tikamgarh	8.1	8.1	8.6	8.5	8.4	8.2	8.7	8.6	8.8	8.7	8.9	8.7	8.8	8.6	8.9	9.2	9.3	9.1	9.1	9.3	9.3	9.4	9.4	9.2	9.6	9.5	9.4	9.8	9.8	9.9
49	Ujjain	9.0	8.8	9.0	8.8	9.1	9.0	9.0	9.3	9.4	9.3	9.3	9.6	9.5	9.4	9.6	9.9	9.8	9.8	10.0	9.9	10.0	10.0	10.0	9.9	10.2	10.3	10.4	10.7	10.6	10.8
50	Umaria	7.5	7.4	7.6	7.6	7.6	7.5	7.6	7.7	7.8	8.0	8.0	7.8	7.9	7.9	8.0	7.8	8.2	8.3	8.1	8.4	8.2	8.2	8.3	8.1	8.4	8.6	8.7	8.5	8.6	8.8
51	Vidisha	8.4	8.4	8.4	8.4	8.4	8.3	8.5	8.5	8.8	8.6	8.6	8.8	8.6	8.8	8.8	9.0	9.1	9.1	9.0	9.0	9.2	9.3	9.2	9.1	9.3	9.5	9.5	9.7	9.3	9.6

Table 1.5: Daily ET_o values of May for districts of Madhya Pradesh

Daily ETo values of May for districts of Madhya Pradesh																																
S N	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Agar Malwa	10.9	10.9	10.4	10.5	10.6	11.1	11.0	10.9	10.8	11.1	10.9	10.9	10.8	11.1	11.4	11.6	11.6	11.7	11.6	11.4	10.9	11.0	11.4	11.6	11.6	11.7	11.6	11.5	11.5	10.8	10.3
2	Alirajpur	9.6	9.7	9.5	9.4	9.8	9.9	9.8	9.8	9.7	9.9	9.8	9.7	10.0	10.3	9.9	10.1	10.2	10.2	10.0	9.9	9.9	10.0	10.0	10.2	10.4	10.4	10.3	10.2	10.0	9.6	9.6
3	Anuppur	8.2	8.1	8.0	8.1	8.4	8.6	8.6	8.2	8.1	7.9	7.5	7.6	7.9	7.8	8.2	8.1	8.3	8.6	8.3	7.8	8.2	8.3	8.2	8.3	8.6	8.6	8.7	8.3	7.6	7.9	7.6
4	Ashoknagar	10.1	9.9	9.6	9.3	9.7	10.2	10.3	10.1	10.1	9.9	10.0	10.0	9.7	10.4	10.6	10.5	10.2	10.3	10.6	10.4	9.9	10.2	10.1	10.4	10.7	11.0	10.9	10.6	10.4	10.4	9.3
5	Balaghat	8.9	9.0	8.9	8.8	9.0	8.8	8.9	9.0	8.7	8.9	8.5	8.5	8.2	8.8	8.6	8.5	8.8	9.3	9.1	8.8	8.5	8.6	8.8	8.8	8.9	8.8	9.0	9.0	8.2	8.7	8.6
6	Barwani	10.3	10.3	10.2	10.5	10.7	10.7	10.7	10.6	10.5	10.6	10.3	10.4	10.7	11.0	10.7	11.0	11.1	10.8	10.7	10.5	10.7	10.7	10.6	11.0	11.1	11.0	11.1	10.5	10.6	10.2	10.0
7	Betul	8.8	8.7	9.0	8.9	9.0	9.1	9.1	9.1	9.3	9.2	8.9	8.9	9.0	9.1	9.3	9.5	9.6	9.5	9.4	9.1	9.1	9.2	9.4	9.4	9.5	9.5	9.8	9.3	9.1	8.9	8.8
8	Bhind	10.4	10.0	10.1	9.7	9.9	10.2	10.4	10.1	10.0	10.2	10.2	9.8	10.0	9.9	10.3	10.3	10.5	10.4	10.8	11.0	10.3	10.1	10.0	10.4	10.9	10.7	11.1	11.1	10.9	10.4	10.2
9	Bhopal	9.8	9.6	9.6	9.5	9.6	9.8	10.0	9.6	10.0	9.7	9.4	9.4	9.3	9.5	10.0	10.2	10.1	10.1	10.1	9.7	9.6	9.7	9.9	9.9	9.9	10.4	10.4	10.3	9.6	10.0	8.9
10	Burhanpur	9.3	9.2	9.2	9.4	9.1	9.4	9.5	9.7	9.6	10.0	9.5	9.4	9.7	9.8	9.8	10.0	10.2	10.4	9.9	9.8	9.6	9.6	9.8	9.7	10.1	10.1	10.0	10.2	9.9	9.5	9.3
11	Chhatarpur	10.3	9.8	10.2	9.5	9.6	10.3	10.5	10.1	10.2	10.0	10.0	10.0	10.0	9.7	9.9	10.0	10.5	10.3	10.3	10.2	10.1	10.2	10.4	10.2	10.4	10.7	11.0	10.7	10.2	10.1	9.8
12	Chhindwara	8.9	8.7	9.1	9.0	9.2	9.2	9.4	9.3	9.2	9.5	8.9	8.6	9.1	9.1	9.0	9.3	9.3	9.7	9.6	9.2	8.9	8.6	9.4	9.5	9.3	9.7	9.8	9.4	9.1	9.1	8.7
13	Damoh	9.3	8.8	9.0	8.7	8.6	9.1	9.5	9.1	9.1	9.1	8.9	8.9	8.6	8.9	8.8	9.0	9.0	9.3	9.3	9.1	9.1	9.2	9.4	9.1	9.5	9.7	9.7	9.6	9.2	9.0	8.5
14	Datia	10.5	10.2	10.4	9.8	10.1	10.6	11.0	10.5	10.6	10.6	10.6	10.2	10.2	10.2	10.6	10.6	10.8	10.7	11.2	11.2	10.8	10.7	10.6	10.7	11.3	11.3	11.6	11.3	11.2	10.7	10.1
15	Dewas	10.0	10.1	9.8	9.8	9.7	10.4	10.2	10.1	10.1	10.2	9.8	9.9	9.8	10.1	10.5	10.6	10.6	10.8	10.4	10.2	9.7	9.9	10.2	10.4	10.4	10.6	10.6	10.5	10.2	9.8	9.1
16	Dhar	10.0	10.1	10.1	10.3	10.3	10.4	10.5	10.2	10.1	10.1	9.9	10.0	10.4	10.6	10.6	10.7	10.8	10.7	10.5	10.3	10.3	10.2	10.2	10.4	10.6	10.8	10.7	10.3	10.3	9.6	9.6
17	Dindori	8.5	8.6	8.5	8.5	8.5	8.3	8.7	8.6	8.6	8.5	8.3	8.2	8.3	8.3	8.2	8.4	8.9	8.8	8.9	8.4	8.3	8.2	8.7	8.5	8.5	8.6	9.0	8.8	8.3	8.5	8.3
18	Guna	10.3	10.2	9.8	9.7	10.1	10.6	10.6	10.4	10.4	10.2	10.3	10.3	10.1	10.7	10.9	10.9	10.6	10.6	11.0	10.8	10.3	10.5	10.4	10.7	11.0	11.3	11.2	10.8	10.8	10.8	9.6
19	Gwalior	10.6	10.1	10.4	9.8	10.0	10.5	10.9	10.5	10.6	10.6	10.7	10.2	10.2	10.2	10.6	10.7	10.8	10.8	11.3	11.3	10.8	10.6	10.4	10.7	11.3	11.3	11.5	11.3	11.2	10.7	10.2
20	Harda	9.1	9.2	9.0	9.0	9.0	9.0	9.3	9.1	9.3	9.5	9.4	9.0	9.0	9.1	9.3	9.5	9.5	9.9	9.7	9.5	9.5	9.4	9.5	9.7	9.7	9.8	9.7	9.8	9.5	9.5	8.8
21	Hoshangab	9.0	8.9	8.8	8.8	8.9	8.7	8.9	8.8	9.1	9.1	9.1	8.8	8.9	8.8	9.2	9.4	9.4	9.5	9.6	9.4	9.4	9.1	9.3	9.3	9.4	9.7	9.6	9.7	9.2	9.5	8.8
22	Indore	9.9	10.2	9.9	10.0	9.7	10.3	10.2	10.2	10.1	10.2	9.7	10.0	10.0	10.3	10.6	10.5	10.5	10.9	10.4	10.3	9.9	9.9	10.1	10.3	10.4	10.5	10.5	10.4	10.2	9.8	9.0
23	Jabalpur	9.2	8.9	9.0	8.8	8.7	9.1	9.3	9.0	9.0	9.0	8.9	8.7	8.6	8.8	8.7	9.0	9.2	9.1	9.4	9.0	9.1	9.0	9.2	9.0	9.6	9.6	9.6	9.5	9.2	9.0	8.6
24	Jhabua	9.4	9.3	9.4	9.6	9.7	9.8	9.8	9.6	9.5	9.7	9.4	9.6	9.9	9.9	10.0	10.0	10.2	10.0	10.0	9.7	9.8	9.9	9.6	10.1	10.2	10.2	10.3	9.9	9.8	9.3	9.4
25	Katni	9.2	8.9	9.2	8.7	8.9	9.0	9.0	9.0	9.0	9.0	8.6	8.7	8.8	8.7	8.7	9.0	9.2	9.1	9.1	9.0	9.2	9.1	9.2	8.6	9.2	9.3	9.5	9.5	8.9	8.8	8.5
26	Khandwa	9.4	9.5	9.4	9.6	9.3	9.6	9.7	9.8	9.9	10.1	9.8	9.5	9.8	9.9	10.0	10.1	10.4	10.5	10.1	10.0	9.9	9.8	10.0	9.9	10.2	10.3	10.2	10.3	10.2	9.6	9.3

Cont..

Daily ETo values of May for districts of Madhya Pradesh																																	
S N	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
27	Khargone	10.2	10.3	10.1	10.6	10.5	10.5	10.6	10.6	10.6	10.6	10.3	10.3	10.7	10.9	10.5	11.0	11.1	10.9	10.6	10.5	10.5	10.5	10.5	10.7	11.0	10.9	11.0	10.4	10.4	10.1	9.7	
28	Mandla	8.8	8.6	8.8	8.8	8.7	8.6	8.9	8.9	8.8	8.7	8.6	8.3	8.6	8.7	8.6	8.7	9.1	9.1	9.2	8.7	8.6	8.6	9.1	8.8	9.0	9.1	9.3	9.3	8.8	8.9	8.6	
29	Mandsaur	10.8	10.8	10.3	10.5	10.6	10.9	10.9	10.6	10.8	11.1	11.0	10.9	10.7	11.1	11.2	11.4	11.4	11.8	11.8	11.5	11.1	11.0	11.5	11.6	11.8	11.8	11.6	11.5	11.6	10.9	10.3	
30	Morena	10.3	10.0	10.1	9.6	9.7	10.3	10.6	10.2	10.3	10.5	10.5	10.0	10.0	10.2	10.4	10.4	10.5	10.5	11.2	11.1	10.6	10.3	10.1	10.6	11.1	11.0	11.1	11.1	11.0	10.6	10.2	
31	Narsinghpur	9.4	9.1	9.3	9.1	9.1	9.3	9.5	9.4	9.4	9.5	9.1	9.1	9.2	9.1	9.1	9.5	9.7	9.7	9.8	9.5	9.5	9.4	9.5	9.5	9.8	9.9	10.0	9.7	9.6	9.5	8.8	
32	Neemuch	10.7	10.4	10.0	10.5	10.6	10.8	10.4	10.6	10.5	10.6	10.8	10.7	10.8	11.0	11.1	11.2	11.3	11.4	11.4	11.4	11.1	11.1	11.3	11.4	11.7	11.7	11.5	11.3	11.3	10.5	10.3	
33	Panna	10.4	9.9	10.1	9.7	9.8	10.2	10.5	10.3	10.3	9.9	10.0	10.0	10.1	9.8	9.9	10.1	10.7	10.5	10.3	10.4	10.3	10.2	10.5	10.4	10.6	10.8	11.0	10.7	10.4	10.3	10.1	
34	Raisen	10.0	10.0	9.8	9.8	10.0	10.2	10.3	10.0	10.3	10.1	9.7	9.7	9.7	9.9	10.3	10.6	10.5	10.5	10.4	10.1	9.8	10.0	10.2	10.4	10.2	10.7	10.7	10.6	9.9	10.2	9.1	
35	Rajgarh	10.4	10.5	10.1	10.1	10.3	10.8	10.8	10.6	10.5	10.8	10.5	10.3	10.5	10.7	10.9	11.2	11.2	11.1	11.3	11.1	10.5	10.8	10.9	11.4	11.4	11.5	11.4	11.1	11.1	10.4	10.4	
36	Ratlam	10.1	10.1	9.9	10.0	10.0	10.2	10.2	10.1	10.1	10.3	10.2	10.1	10.2	10.6	10.5	10.8	10.6	10.9	10.8	10.6	10.3	10.4	10.5	10.7	10.8	10.9	10.9	10.8	10.8	10.0	9.7	
37	Rewa	9.9	9.5	9.6	9.2	9.4	9.2	9.9	9.9	9.9	9.6	9.3	9.5	9.6	9.3	9.2	9.3	10.2	10.2	9.8	10.0	9.8	9.6	10.0	9.8	9.9	10.0	10.2	10.2	10.0	10.0	9.6	
38	Sagar	9.3	8.9	8.9	8.7	8.7	9.3	9.6	9.2	9.3	9.2	8.9	8.9	8.7	9.0	9.2	9.4	9.2	9.3	9.2	8.9	9.0	9.1	9.4	9.3	9.5	9.8	9.8	9.6	9.3	9.3	8.4	
39	Satna	9.9	9.5	9.4	9.4	9.6	9.7	9.8	9.9	9.5	9.5	9.5	9.5	9.6	9.3	9.3	9.7	10.2	9.8	10.0	9.8	9.9	9.8	9.9	9.8	10.0	10.4	10.4	10.1	9.6	9.7	9.5	
40	Seoni	8.5	8.3	8.7	8.6	8.5	8.6	8.6	8.5	8.8	8.3	8.3	8.1	8.1	8.2	8.4	8.4	8.6	8.7	8.7	8.5	8.0	8.4	8.7	8.5	8.7	8.9	9.2	8.6	8.2	8.2	8.3	
41	Shahdol	8.9	8.8	9.0	8.7	8.9	8.9	9.1	9.1	9.0	8.8	8.9	8.7	8.9	8.8	8.7	8.7	9.3	9.5	9.4	9.2	9.3	9.0	9.2	9.0	9.2	9.2	9.5	9.5	9.2	9.3	8.8	
42	Shajapur	10.7	10.7	10.3	10.4	10.6	11.0	11.0	10.8	10.7	11.0	10.8	10.7	10.6	10.9	11.2	11.5	11.5	11.4	11.4	11.2	10.8	10.9	11.2	11.6	11.4	11.6	11.6	11.4	11.3	10.7	10.1	
43	Sehore	9.6	9.5	9.3	9.1	9.5	10.0	9.8	9.7	10.1	9.7	9.5	9.5	9.3	9.8	10.0	10.1	10.1	10.0	10.0	9.7	9.6	9.7	10.1	10.1	10.0	10.3	10.4	10.3	9.6	9.7	8.9	
44	Seopur	10.1	10.0	9.6	9.7	9.6	9.8	10.3	10.1	9.9	10.4	10.3	10.0	10.0	10.2	10.1	10.3	10.3	10.8	10.8	10.9	10.2	10.1	10.0	10.6	10.9	11.0	10.7	10.7	10.9	10.7	10.0	
45	Shivpuri	11.1	10.7	10.5	10.2	10.5	11.2	11.5	11.0	11.1	11.0	11.3	11.0	11.0	10.9	11.4	11.7	11.2	11.4	11.8	11.8	11.2	11.4	11.1	11.6	12.0	12.1	12.1	11.9	11.7	11.5	10.7	
46	Sidhi	9.3	9.2	9.4	9.4	9.3	9.2	9.4	9.6	9.5	9.5	9.3	9.5	9.4	9.3	9.0	9.4	10.0	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.8	9.8	10.0	10.0	9.7	9.6	9.5	
47	Singrauli	8.7	8.3	8.6	8.6	8.5	8.4	8.9	8.8	8.9	8.8	8.8	8.6	8.7	8.6	8.4	8.3	9.1	9.2	9.0	8.9	9.0	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.0	8.7	
48	Tikamgarh	9.6	9.9	9.8	9.3	10.0	10.2	10.3	9.9	9.9	9.9	10.0	9.8	9.6	9.7	10.3	9.9	9.8	10.0	10.2	10.1	10.2	10.2	10.1	10.0	10.5	11.0	10.8	10.1	9.9	9.8	9.4	
49	Ujjain	10.7	10.7	10.3	10.5	10.5	10.9	10.8	10.7	10.6	10.8	10.6	10.7	10.6	11.1	11.1	11.4	11.4	11.5	11.3	11.1	10.7	10.6	11.1	11.1	11.2	11.3	11.3	11.2	11.2	10.5	10.1	
50	Umaria	8.8	8.8	8.9	8.5	8.5	8.7	9.0	8.7	8.7	8.7	8.7	8.4	8.6	8.5	8.4	8.6	9.0	9.0	9.1	8.8	8.7	8.7	9.2	8.5	9.0	8.9	9.1	9.2	8.8	8.8	8.4	
51	Vidisha	10.0	9.6	9.7	9.5	9.7	10.0	10.2	9.7	10.2	9.9	9.7	9.8	9.6	9.8	10.3	10.4	10.3	10.1	10.2	9.8	9.7	9.9	10.1	10.1	10.3	10.7	10.7	10.4	9.8	10.2	9.2	

Table 1.6: Daily ET_o values of June for districts of Madhya Pradesh

Daily ETo values of June for districts of Madhya Pradesh																																
S No	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	Agar Malwa	10.3	10.1	10.1	10.1	10.4	10.5	10.1	10.0	9.3	9.7	9.5	9.3	8.9	8.5	8.2	8.2	8.3	8.6	8.5	8.1	8.0	8.2	7.9	7.7	7.1	7.1	6.9	6.5	6.7	6.4	
2	Alirajpur	9.2	9.1	8.8	9.2	9.2	9.1	8.6	8.6	8.4	8.3	8.2	7.9	7.7	7.0	6.8	6.8	6.7	7.2	6.6	6.4	6.4	6.3	6.4	6.1	5.7	5.6	5.8	5.6	5.0	5.0	
3	Anuppur	7.4	7.5	7.4	7.4	7.2	7.3	7.2	7.5	6.9	6.6	6.8	6.5	6.3	6.1	6.0	5.2	5.7	5.7	4.9	4.7	5.1	5.1	5.3	4.7	4.6	4.8	4.4	4.3	4.7	4.6	
4	Ashoknagar	9.4	9.4	9.5	9.3	9.5	9.5	9.5	9.3	9.2	8.9	8.5	8.6	8.5	8.2	8.1	7.9	7.7	7.6	7.5	7.7	7.6	7.8	7.0	7.1	7.0	6.9	6.6	6.0	6.4	6.2	
5	Balaghat	8.3	7.9	8.0	8.0	8.0	7.5	8.0	7.9	7.7	7.6	7.1	7.1	6.9	6.8	6.2	5.8	5.9	5.3	5.8	5.3	5.4	5.1	5.1	5.1	5.3	4.5	4.0	4.3	4.4	4.7	
6	Barwani	9.7	9.6	9.5	9.8	9.8	9.5	8.8	9.1	8.9	8.6	8.2	8.3	7.6	7.3	6.8	7.4	7.1	7.3	7.0	6.6	6.4	6.5	6.7	6.6	6.0	5.8	6.0	5.7	5.7	5.4	
7	Betul	8.6	8.5	8.2	8.3	8.6	8.2	7.7	8.0	7.6	7.5	7.2	7.2	7.1	6.7	5.9	6.2	6.2	6.0	6.0	5.8	5.0	5.4	4.9	4.9	4.8	4.1	4.4	4.5	4.6	4.4	
8	Bhind	10.1	10.1	10.1	10.3	10.0	9.9	10.2	10.1	10.4	10.1	9.8	9.5	9.3	9.4	9.0	9.0	8.8	8.6	8.3	8.8	8.7	9.1	8.8	8.6	8.7	8.0	7.5	7.5	7.6	7.8	
9	Bhopal	9.3	9.0	8.9	9.1	8.9	9.2	8.4	8.5	8.1	8.3	7.9	7.6	7.6	7.1	6.9	6.6	7.0	6.8	6.4	6.4	6.5	6.5	5.9	5.7	5.4	5.6	5.0	4.9	5.3	5.0	
10	Burhanpur	9.3	8.6	9.0	8.7	8.9	8.6	8.3	8.2	8.0	7.9	7.8	7.4	7.3	6.5	6.8	6.3	6.3	6.8	6.5	6.1	6.0	5.9	5.5	5.4	5.3	4.9	5.2	4.7	4.9	5.1	
11	Chhatarpur	9.6	9.7	9.7	9.5	9.3	9.5	9.7	9.3	9.8	9.6	9.6	8.8	9.0	8.8	8.2	8.4	8.0	7.6	7.4	7.6	7.5	7.9	7.5	7.4	7.3	6.7	6.6	5.9	6.6	6.7	
12	Chhindwara	8.1	8.4	8.1	7.8	8.1	7.8	7.4	7.6	7.4	7.3	7.2	7.0	6.6	6.7	5.9	5.8	6.0	5.3	5.5	5.5	5.6	5.0	5.1	4.9	4.5	4.4	3.8	4.0	4.5	4.4	
13	Damoh	8.6	8.6	8.6	8.4	8.4	8.7	8.4	8.4	8.6	8.5	8.3	8.0	8.1	7.8	7.2	7.2	6.9	6.9	6.5	7.0	6.3	6.9	6.4	6.2	6.2	6.0	5.5	5.1	5.8	5.5	
14	Datia	10.2	10.5	10.4	10.3	10.2	10.1	10.5	10.2	10.5	10.0	9.9	9.4	9.3	9.1	8.9	8.8	8.7	8.7	8.3	8.6	8.9	9.3	8.5	8.4	8.5	7.8	7.4	7.1	7.6	7.7	
15	Dewas	9.3	9.1	9.2	9.0	9.1	9.2	8.5	8.5	7.9	8.1	7.9	7.7	7.4	7.0	6.9	6.6	6.9	7.0	6.7	6.4	6.2	6.2	6.1	5.8	5.4	5.5	5.2	4.8	5.1	4.9	
16	Dhar	9.5	9.3	9.1	9.4	9.4	9.2	8.4	8.5	8.4	8.2	7.9	7.7	7.5	7.0	6.7	6.8	6.9	7.0	6.7	6.3	6.2	6.1	6.3	6.1	5.5	5.7	5.4	5.0	5.1	4.7	
17	Dindori	8.1	7.7	8.1	7.7	7.5	7.6	7.6	7.9	7.9	7.7	7.1	6.8	6.8	6.6	6.3	6.0	6.2	5.3	5.4	5.4	4.9	5.1	5.2	5.1	5.1	4.5	4.1	4.2	4.2	4.4	
18	Guna	9.7	9.7	9.8	9.8	9.8	9.7	9.7	9.5	9.4	9.2	8.7	8.7	8.7	8.3	8.2	7.9	7.8	7.9	7.7	7.8	7.8	7.8	7.2	7.2	7.1	6.9	6.5	6.0	6.5	6.1	
19	Gwalior	10.3	10.4	10.5	10.4	10.3	10.1	10.7	10.2	10.7	10.2	10.1	9.7	9.3	9.4	9.3	9.1	9.0	9.0	8.6	9.0	9.1	9.4	8.9	8.7	8.8	8.2	7.6	7.4	7.7	7.9	
20	Harda	9.2	9.0	9.1	9.0	8.9	9.1	8.6	8.8	8.4	8.6	8.3	8.5	7.9	7.3	7.5	7.2	7.4	7.2	7.1	6.8	6.6	6.3	6.3	5.9	5.7	5.6	5.1	5.3	5.5	5.7	
21	Hoshangaba	8.9	8.8	8.7	8.9	8.8	9.0	8.4	8.6	8.5	8.7	8.3	8.3	8.0	7.6	7.4	7.1	7.1	7.3	6.7	6.9	6.5	6.6	6.1	5.6	5.6	5.7	5.0	5.4	5.6	5.6	
22	Indore	9.3	8.9	9.0	9.0	9.1	9.2	8.4	8.5	7.7	8.2	7.9	7.7	7.3	7.0	6.8	6.6	6.8	7.0	6.7	6.3	6.2	6.1	5.9	5.8	5.3	5.5	5.2	4.8	4.9	4.9	
23	Jabalpur	8.7	8.5	8.8	8.4	8.5	8.5	8.4	8.5	8.8	8.5	8.2	7.8	7.9	7.4	7.0	7.0	6.7	6.4	6.3	6.6	5.8	6.3	6.2	5.9	5.9	5.6	4.8	4.8	5.3	5.1	
24	Jhabua	9.2	8.8	8.8	9.0	9.0	8.9	8.4	8.3	8.4	8.0	7.9	7.7	7.4	6.8	6.7	6.9	6.7	6.8	6.4	6.3	6.2	6.3	6.2	6.0	5.6	5.6	5.5	5.0	5.0	4.7	
25	Katni	8.5	8.5	8.3	8.3	8.3	8.2	8.2	8.4	8.7	8.7	8.0	7.8	7.8	7.4	6.9	6.9	6.8	6.7	6.4	6.3	6.0	6.5	6.1	6.2	6.1	5.4	5.4	5.4	5.4	5.4	
26	Khandwa	9.6	8.9	9.2	8.9	9.2	8.9	8.6	8.6	8.1	8.1	8.1	7.9	7.6	6.8	7.0	6.6	6.7	6.9	6.8	6.4	6.4	6.1	5.8	5.6	5.6	5.2	5.3	4.9	5.1	5.2	

Cont..

Daily ETo values of June for districts of Madhya Pradesh																															
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
27	Khargone	9.4	9.3	9.1	9.3	9.4	9.2	8.4	8.7	8.4	7.9	7.8	7.8	7.0	6.7	6.4	6.9	6.6	6.6	6.5	6.2	5.7	5.9	6.0	5.9	5.3	5.1	5.4	5.1	5.1	5.0
28	Mandla	8.6	8.3	8.6	8.3	8.1	8.1	8.2	8.3	8.4	7.9	7.8	7.6	7.4	7.2	6.9	6.4	6.4	5.8	5.9	5.9	5.4	5.6	5.6	5.7	5.5	5.1	4.2	4.5	4.8	4.9
29	Mandsaur	10.4	10.3	10.1	10.3	10.6	10.5	10.2	9.8	9.7	9.9	9.7	9.2	8.9	8.5	8.5	8.4	8.6	8.8	8.7	8.2	8.4	8.4	8.3	7.9	7.6	7.1	7.1	6.7	6.8	6.6
30	Morena	10.2	10.2	10.2	10.2	10.2	10.0	10.6	10.2	10.6	10.2	10.0	9.8	9.3	9.4	9.4	9.3	9.1	9.0	8.9	9.1	9.0	9.3	9.0	8.7	8.7	8.3	7.9	7.6	7.8	8.0
31	Narsinghpur	9.0	9.0	9.0	8.9	8.7	8.7	8.8	8.8	8.8	8.6	8.5	8.2	8.1	7.7	7.4	7.5	7.1	6.8	6.6	6.9	6.7	6.7	6.2	6.1	6.0	5.8	4.8	5.1	5.8	5.5
32	Neemuch	10.4	10.1	10.0	10.3	10.4	10.3	10.2	9.6	9.5	9.8	9.5	8.8	8.7	8.6	8.3	8.4	8.7	8.9	8.4	8.4	8.5	8.5	8.6	7.9	7.5	7.1	7.1	7.0	6.9	6.7
33	Panna	9.8	9.7	9.7	9.6	9.4	9.7	9.9	9.4	9.7	9.7	9.8	8.9	8.8	8.9	8.4	8.3	8.1	7.6	7.5	7.4	7.5	7.7	7.5	7.3	7.4	7.0	6.5	6.1	6.7	6.6
34	Raisen	9.4	9.3	9.2	9.3	9.1	9.3	8.7	8.6	8.2	8.4	8.0	7.8	7.7	7.2	7.0	6.7	7.2	7.0	6.7	6.4	6.7	6.6	6.0	5.9	5.5	5.7	5.2	5.0	5.4	5.0
35	Rajgarh	10.0	9.8	10.0	10.1	10.1	10.4	9.9	9.7	9.4	9.6	9.3	8.9	8.8	8.2	8.1	7.7	8.3	8.5	8.4	8.0	8.2	8.0	7.7	7.7	7.2	7.2	6.7	6.3	6.9	6.0
36	Ratlam	9.7	9.4	9.3	9.7	9.8	9.7	9.5	9.2	8.7	8.9	8.8	8.4	8.4	7.6	7.6	7.4	7.5	7.6	7.5	7.2	7.1	7.2	6.9	6.7	6.4	6.3	6.2	6.0	5.6	5.6
37	Rewa	9.4	9.1	9.1	8.8	9.1	8.9	9.0	8.7	9.1	9.1	9.3	8.4	8.3	8.3	7.9	8.0	7.7	7.1	6.9	6.8	6.8	6.9	6.9	6.8	7.0	6.7	5.9	5.8	6.2	6.0
38	Sagar	8.5	8.5	8.5	8.3	8.2	8.5	8.3	8.3	8.4	8.1	7.9	7.6	7.7	7.2	7.0	6.9	6.5	6.6	6.3	6.7	6.2	6.5	6.0	5.9	5.9	5.8	5.1	4.8	5.3	5.1
39	Satna	9.5	9.0	9.0	8.9	8.9	9.1	8.7	9.0	9.0	9.3	8.5	8.4	8.4	8.0	8.0	7.7	7.0	7.1	6.8	6.7	6.6	7.1	6.9	6.9	6.9	6.1	5.9	6.0	6.1	6.0
40	Seoni	8.2	7.6	7.8	7.8	7.6	7.6	7.6	7.4	7.5	7.3	6.9	6.7	6.8	6.6	5.9	5.6	5.5	5.5	5.4	5.5	5.3	5.2	5.3	5.1	4.6	4.1	4.1	4.4	4.4	4.5
41	Shahdol	8.9	8.6	8.7	8.5	8.6	8.3	8.5	8.6	8.6	8.9	8.6	7.9	7.9	7.6	7.2	7.4	7.4	6.5	6.5	6.5	5.9	6.0	6.1	6.1	6.4	5.9	5.2	5.5	5.4	5.5
42	Shajapur	10.1	10.0	10.0	10.0	10.2	10.4	10.0	9.9	9.2	9.5	9.4	9.2	8.7	8.3	8.0	8.0	8.3	8.4	8.3	7.9	7.9	8.0	7.7	7.6	7.0	7.1	6.8	6.3	6.7	6.1
43	Sehore	9.1	9.0	9.1	9.1	8.7	9.2	8.6	8.5	8.5	8.3	8.1	7.8	7.7	7.2	7.2	6.6	7.0	7.0	6.6	6.6	6.5	6.9	6.1	6.1	5.7	5.8	5.1	5.2	5.2	5.0
44	Seopur	9.7	10.0	10.0	10.0	10.5	10.4	10.0	10.4	10.1	10.0	10.3	9.5	9.4	9.3	9.2	9.4	9.2	8.3	9.3	9.0	9.2	9.4	8.9	8.5	8.2	8.1	8.1	8.0	7.9	7.8
45	Shivpuri	10.8	10.6	11.2	10.7	11.0	10.6	11.0	10.6	10.8	10.4	10.3	10.0	9.6	9.4	9.3	9.4	8.9	8.9	9.0	9.0	9.4	9.4	8.6	8.3	8.3	8.0	7.5	7.3	7.5	7.4
46	Sidhi	9.5	8.8	9.0	8.8	8.8	9.0	8.8	8.5	9.0	9.2	8.4	8.6	8.3	7.9	8.3	8.0	7.2	7.1	6.7	6.4	6.5	6.6	6.6	6.8	6.9	6.4	5.9	5.8	5.9	5.7
47	Singrauli	8.8	8.3	8.5	8.1	8.3	8.0	8.2	7.9	8.2	8.1	8.2	7.8	7.4	7.3	7.2	7.4	7.3	6.2	6.0	6.1	5.9	5.8	5.8	6.0	6.4	6.3	5.4	5.5	5.4	5.6
48	Tikamgarh	9.6	9.6	9.5	9.4	9.0	9.6	9.3	9.5	9.7	9.2	9.1	8.9	8.7	8.2	8.1	8.0	7.9	7.6	7.4	7.7	7.3	7.7	7.5	7.6	6.9	6.6	6.3	6.2	6.7	6.6
49	Ujjain	10.1	9.7	9.7	9.9	10.1	10.1	9.6	9.4	8.7	9.1	9.0	8.7	8.4	8.0	7.8	7.6	7.7	8.1	8.0	7.6	7.3	7.6	7.2	7.1	6.5	6.7	6.5	6.1	6.0	5.9
50	Umaria	8.3	8.3	8.5	8.0	8.1	8.0	8.1	8.5	8.4	8.5	8.1	7.8	7.5	7.3	7.1	6.9	6.9	6.4	6.3	6.3	5.8	6.2	5.8	5.8	5.8	5.4	5.1	5.0	5.3	5.0
51	Vidisha	9.4	9.3	9.2	9.3	9.0	9.5	8.8	9.0	8.6	8.7	8.1	7.9	8.1	7.6	7.3	7.1	7.3	7.2	6.9	6.9	7.1	7.0	6.4	6.3	6.0	6.1	5.7	5.2	5.8	5.6

Table 1.7: Daily ET_o values of July for districts of Madhya Pradesh

Daily ETo values of July for districts of Madhya Pradesh																																	
S No	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	Agar Malwa	6.4	5.8	5.8	5.9	5.6	5.5	5.5	5.4	5.3	5.3	5.0	5.6	5.1	4.7	4.7	5.1	5.0	4.5	4.6	4.2	4.3	4.7	4.7	4.4	3.9	4.0	4.2	4.1	4.0	3.8	3.9	
2	Alirajpur	5.3	5.1	4.5	4.3	4.6	4.9	4.5	4.6	4.0	4.1	4.2	4.6	3.9	3.9	3.8	3.4	3.9	3.4	3.4	3.5	3.5	3.7	3.4	3.1	2.9	3.3	3.1	3.3	3.0	2.9	3.2	
3	Anuppur	4.6	4.6	4.2	4.5	4.2	4.4	4.2	4.0	4.4	4.4	4.0	3.7	4.0	4.0	4.3	4.5	4.1	4.2	4.0	3.8	4.1	3.8	4.0	3.8	3.5	3.8	3.7	3.9	3.7	3.6	3.8	
4	Ashoknagar	6.1	5.9	5.6	5.7	5.5	5.2	5.4	5.1	5.3	5.6	5.1	5.3	4.5	4.3	4.9	4.6	4.8	4.6	4.4	4.2	4.7	4.6	4.9	4.8	4.0	4.0	4.0	3.8	4.2	4.2	3.9	
5	Balaghat	4.5	4.7	4.2	4.3	4.3	4.3	4.0	3.9	4.0	4.1	4.3	4.1	4.1	3.4	3.9	4.3	4.4	4.3	4.0	3.6	3.5	4.1	3.6	3.5	3.5	3.4	3.1	3.5	3.6	3.5	3.3	
6	Barwani	5.8	5.0	4.9	4.7	5.2	5.0	5.1	4.8	4.7	4.9	4.8	4.5	4.8	4.4	3.9	4.4	4.3	4.0	4.0	3.9	4.1	4.2	3.6	3.6	3.6	3.8	3.7	3.7	3.2	3.4	3.5	
7	Betul	4.3	4.2	3.8	3.9	4.0	3.9	3.7	3.7	3.3	3.2	3.7	3.4	3.2	3.2	3.5	3.3	3.4	3.2	3.1	3.0	3.1	2.9	2.7	2.9	2.5	2.5	2.7	2.6	2.8	2.5	2.5	
8	Bhind	7.4	7.7	7.3	7.4	6.9	6.8	6.5	6.8	6.7	7.0	6.4	6.2	5.2	5.2	5.7	6.0	5.5	5.7	5.8	5.7	5.8	5.8	5.8	5.7	5.6	5.6	5.2	5.5	5.3	5.3	5.5	
9	Bhopal	5.1	4.6	4.6	4.5	4.4	4.4	4.1	4.1	4.4	4.1	3.7	4.0	3.5	3.5	3.8	4.0	3.8	3.6	3.5	3.1	3.4	3.8	3.7	3.3	2.9	2.5	2.8	3.1	2.9	3.0	2.9	
10	Burhanpur	4.8	4.8	4.2	4.0	4.3	4.5	4.2	3.9	4.1	4.1	4.0	4.1	3.8	3.6	3.7	3.4	3.9	3.5	3.7	3.6	3.4	3.4	3.5	3.0	3.0	3.3	3.0	3.4	3.0	3.1	2.9	
11	Chhatarpur	6.7	6.4	6.1	6.4	6.2	6.0	5.4	6.0	5.6	5.9	5.6	5.3	4.9	5.0	5.4	5.0	5.1	5.4	5.1	4.9	5.4	5.0	5.4	4.7	4.7	4.7	4.6	4.1	4.4	4.9	4.9	
12	Chhindwara	4.1	4.5	3.9	4.0	3.7	3.7	4.0	3.7	3.5	3.4	3.8	3.8	3.7	3.4	3.7	3.8	3.8	3.4	3.2	3.3	2.9	3.5	3.1	3.0	2.8	2.7	2.8	3.1	3.0	2.8	2.7	
13	Damoh	5.7	5.0	5.2	5.1	4.9	4.8	4.5	4.8	4.8	4.6	4.6	4.5	4.4	4.2	4.3	4.5	4.4	4.4	4.3	4.1	4.5	4.3	4.4	4.0	3.6	3.7	3.7	3.4	3.9	3.9	3.9	
14	Datia	7.5	7.5	7.2	6.9	6.8	6.8	6.3	6.5	6.4	7.0	6.4	6.1	5.2	5.3	5.8	5.8	5.3	5.6	5.5	5.4	5.9	5.6	5.7	5.5	5.5	5.6	4.9	5.2	5.0	5.2	5.4	
15	Dewas	5.1	4.7	4.4	4.5	4.3	4.2	4.1	4.1	3.9	3.6	3.5	4.1	3.7	3.5	3.7	3.9	4.0	3.4	3.6	3.4	3.2	3.7	3.4	3.3	2.8	2.7	3.0	3.0	2.7	2.8	2.9	
16	Dhar	5.1	4.5	4.5	4.3	4.4	4.4	4.4	4.2	3.9	4.2	4.1	3.9	3.9	3.8	3.5	3.8	3.7	3.5	3.2	3.1	3.7	3.6	3.2	3.0	2.8	2.9	2.9	3.1	2.6	2.8	3.1	
17	Dindori	4.4	4.2	4.1	4.3	4.1	4.1	3.8	3.7	3.7	3.6	3.9	3.8	3.7	3.2	3.8	3.6	4.2	4.2	3.7	3.5	3.5	3.5	3.5	3.5	3.3	3.1	2.8	3.0	3.2	3.2	3.0	
18	Guna	6.0	5.8	5.6	5.6	5.4	5.2	5.4	5.1	5.2	5.5	4.9	5.2	4.5	4.2	4.8	4.6	4.8	4.4	4.2	4.0	4.4	4.5	4.7	4.7	3.9	3.7	3.9	3.7	4.1	4.1	3.8	
19	Gwalior	7.8	7.8	7.3	7.2	6.9	6.9	6.7	6.8	6.6	7.2	6.5	6.3	5.3	5.2	5.5	5.9	5.5	5.7	5.6	5.6	5.9	5.8	5.7	5.7	5.6	5.6	5.0	5.3	5.3	5.3	5.5	
20	Harda	5.6	5.2	5.0	4.9	4.9	4.9	4.9	4.7	4.7	4.0	4.2	4.8	4.2	3.9	4.4	4.4	4.4	4.0	4.2	4.0	3.8	4.2	4.0	3.7	3.5	3.2	3.3	3.7	3.3	3.5	3.4	
21	Hoshangabad	5.5	5.2	5.0	4.9	4.8	5.0	4.8	4.7	4.7	4.4	4.3	4.9	4.1	4.0	4.4	4.3	4.3	4.1	4.0	3.7	3.9	4.2	4.0	3.8	3.5	3.1	3.2	3.5	3.5	3.5	3.4	
22	Indore	5.0	4.7	4.2	4.6	4.4	4.3	4.2	4.1	3.9	3.7	3.7	4.3	3.8	3.6	3.6	3.7	3.9	3.3	3.6	3.4	3.4	3.7	3.4	3.3	2.6	2.9	2.8	3.0	2.7	2.8	3.0	
23	Jabalpur	5.1	4.9	4.9	5.0	4.7	4.5	4.6	4.6	4.5	4.1	4.4	4.2	4.2	4.0	4.2	4.4	4.5	4.4	4.2	3.8	4.0	4.2	4.1	3.8	3.6	3.3	3.3	3.3	3.5	3.5	3.5	
24	Jhabua	5.1	4.5	4.5	4.1	4.4	4.5	4.4	4.3	3.9	4.0	4.0	3.9	3.8	3.7	3.3	3.7	3.5	3.4	3.1	3.0	3.4	3.5	3.1	2.8	2.9	2.9	3.0	3.1	2.6	2.7	3.2	
25	Katni	5.2	5.2	5.3	5.2	4.7	4.7	4.9	4.9	4.9	4.7	4.6	4.5	4.1	4.6	4.4	4.5	4.7	5.0	4.2	4.3	4.3	4.3	4.6	4.0	4.2	3.7	3.4	3.7	3.9	3.9	4.0	
26	Khandwa	5.2	4.8	4.4	4.2	4.6	4.8	4.3	4.2	4.3	4.0	4.2	4.4	4.0	3.7	3.7	3.5	4.1	3.6	3.8	3.7	3.6	3.6	3.5	3.2	3.0	3.3	3.1	3.3	2.9	3.1	3.2	

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Daily ETo values of July for districts of Madhya Pradesh																																
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	Khargone	5.1	4.4	4.3	4.1	4.6	4.4	4.4	4.1	4.2	4.4	4.2	3.9	4.1	3.9	3.3	3.9	3.8	3.7	3.7	3.3	3.6	3.7	3.1	3.3	3.1	3.3	3.2	3.2	2.9	2.9	3.0
28	Mandla	4.6	4.7	4.4	4.6	4.6	4.5	4.4	4.3	4.2	3.9	4.3	4.1	4.3	3.6	4.1	4.2	4.6	4.6	4.2	3.7	3.8	4.1	3.9	3.7	3.5	3.3	3.2	3.4	3.5	3.4	3.2
29	Mandsaur	6.3	6.0	6.0	6.1	5.7	5.7	5.6	5.8	5.3	5.5	5.2	5.5	5.1	4.7	4.4	5.1	5.0	4.8	4.8	4.3	4.3	5.1	4.7	4.4	3.7	3.9	4.0	4.3	3.9	4.0	4.0
30	Morena	8.0	8.1	7.4	7.5	7.0	7.0	7.0	6.9	6.8	7.2	6.6	6.3	5.4	5.3	5.5	6.1	5.7	5.7	5.8	5.8	5.9	5.9	5.8	5.9	5.8	5.6	5.2	5.5	5.5	5.3	5.6
31	Narsinghpur	5.5	5.4	5.3	5.3	4.7	4.9	5.0	4.8	4.7	4.4	4.7	4.6	4.7	4.3	4.6	4.8	4.6	4.4	4.2	4.0	4.1	4.5	4.3	4.1	3.8	3.6	3.6	3.6	3.8	3.7	3.5
32	Neemuch	6.4	6.3	6.2	6.1	5.7	6.0	5.8	6.1	5.5	5.5	5.6	5.3	4.7	4.8	4.9	5.0	4.8	4.9	4.9	4.5	4.6	5.1	4.6	4.2	3.9	4.1	4.4	4.4	4.0	4.2	4.2
33	Panna	6.6	6.4	6.3	6.3	6.3	5.9	5.6	6.0	5.6	5.9	5.9	5.2	5.2	5.3	5.3	5.3	5.4	5.6	5.1	5.0	5.3	5.0	5.4	5.0	5.2	4.8	4.7	4.2	4.5	4.8	5.0
34	Raisen	5.2	4.7	4.7	4.6	4.4	4.4	4.2	4.1	4.3	4.1	3.7	4.1	3.7	3.6	3.9	4.0	4.0	3.7	3.5	3.3	3.4	3.9	3.8	3.4	3.0	2.6	3.0	3.2	3.0	3.0	2.9
35	Rajgarh	6.3	5.9	5.8	5.7	5.5	5.6	5.3	5.6	5.4	5.6	5.1	5.3	4.8	4.6	4.7	5.1	5.0	4.6	4.5	4.4	4.4	4.6	4.8	4.3	3.9	3.9	4.0	4.4	4.1	3.9	3.9
36	Ratlam	5.5	5.4	5.2	5.1	4.9	5.0	4.7	4.8	4.2	4.4	4.4	4.9	4.3	4.1	3.8	4.1	4.3	3.7	4.0	3.4	3.7	4.1	3.7	3.6	3.0	3.4	3.1	3.3	3.1	3.0	3.1
37	Rewa	6.3	6.0	6.0	5.8	5.7	5.4	5.4	5.7	5.6	5.5	5.7	5.1	4.9	5.0	5.0	4.9	5.3	5.3	5.2	4.6	5.1	4.7	5.0	5.0	5.2	4.8	4.5	4.4	4.5	4.5	4.8
38	Sagar	5.2	4.8	4.6	4.7	4.4	4.5	4.1	4.3	4.5	4.2	4.2	4.1	3.8	3.7	3.8	4.2	3.9	3.9	3.6	3.6	4.0	3.9	3.9	3.7	3.2	3.1	3.2	3.2	3.6	3.5	3.4
39	Satna	6.1	5.8	5.9	5.6	5.4	5.1	5.3	5.5	5.6	5.3	5.2	5.1	4.8	5.1	4.8	5.0	5.2	5.3	4.7	4.8	4.8	4.4	5.1	4.6	4.9	4.5	4.0	4.4	4.3	4.5	4.7
40	Seoni	4.1	4.3	4.2	4.0	4.3	4.0	4.1	3.9	4.0	4.0	4.1	3.9	4.0	3.6	4.0	4.3	4.2	4.0	3.7	3.5	3.7	3.6	3.4	3.1	3.0	3.3	3.1	3.4	3.4	3.4	3.3
41	Shahdol	5.7	5.3	5.3	5.2	5.1	5.2	4.9	5.0	5.0	4.7	5.0	4.8	4.6	4.3	4.7	4.5	4.9	5.0	4.7	4.4	4.6	4.2	4.5	4.5	4.4	4.2	4.0	4.0	4.3	4.1	4.3
42	Shajapur	6.3	5.7	5.7	5.6	5.5	5.4	5.3	5.3	5.2	5.2	4.9	5.4	5.0	4.5	4.7	5.1	4.9	4.4	4.5	4.2	4.2	4.7	4.7	4.4	3.9	3.8	4.1	4.0	4.0	3.8	3.8
43	Sehore	4.9	4.6	4.4	4.5	4.3	4.2	4.2	4.3	4.5	4.0	4.0	4.2	3.6	3.7	3.8	4.0	3.9	3.8	3.7	3.5	3.7	3.9	4.0	3.5	3.3	2.9	3.2	3.3	3.4	3.4	3.2
44	Seopur	7.7	7.3	7.2	7.0	7.0	6.8	6.6	6.8	6.9	6.6	6.5	6.5	5.6	5.3	5.5	5.5	5.3	5.7	5.4	5.4	5.8	5.6	5.7	5.9	5.8	5.4	5.2	5.1	5.0	4.9	5.1
45	Shivpuri	7.5	7.5	7.0	6.7	6.5	6.4	6.4	6.2	6.2	6.5	5.8	5.9	5.1	4.9	5.5	5.1	5.0	5.2	4.8	4.8	5.3	5.5	5.2	5.5	5.0	4.7	4.4	4.4	4.6	5.1	4.8
46	Sidhi	6.1	6.0	5.7	5.7	5.7	5.5	5.4	5.5	5.4	5.3	5.3	5.4	5.1	4.9	5.0	5.3	5.3	5.2	4.9	4.8	5.0	4.7	5.2	5.0	5.2	4.7	4.3	4.6	4.6	4.7	4.8
47	Singrauli	5.7	5.6	5.2	5.0	5.5	5.4	5.3	5.2	5.3	4.8	5.1	4.9	5.1	4.8	4.9	4.9	5.2	5.2	5.1	4.7	4.9	4.4	4.7	5.2	4.9	4.7	4.5	4.6	4.6	4.9	4.7
48	Tikamgarh	6.5	6.3	6.1	6.2	6.0	5.4	5.4	5.7	5.6	5.6	5.2	5.2	4.7	5.1	5.1	4.8	5.0	5.2	4.7	4.8	5.4	4.9	4.9	4.6	4.6	4.6	4.2	4.3	4.8	4.8	4.4
49	Ujjain	5.9	5.6	5.4	5.5	5.2	5.1	4.8	5.0	4.6	4.8	4.6	5.1	4.7	4.4	4.2	4.5	4.7	4.1	4.4	3.8	4.0	4.5	4.2	4.1	3.3	3.7	3.7	3.6	3.4	3.4	3.5
50	Umaria	5.2	4.9	4.8	5.2	4.9	4.5	4.6	4.7	4.7	4.5	4.6	4.3	4.0	4.0	4.6	4.1	4.6	4.8	4.3	4.0	4.1	4.1	4.3	4.0	3.9	3.6	3.5	3.3	3.7	3.6	3.7
51	Vidisha	5.5	5.1	5.0	4.8	4.8	4.8	4.5	4.5	4.8	4.6	4.4	4.4	3.9	4.0	4.2	4.4	4.0	3.9	3.7	3.5	3.8	4.1	4.1	3.9	3.3	2.9	3.1	3.4	3.5	3.4	3.2

Table 1.8: Daily ET_o values of August for districts of Madhya Pradesh

Daily ETo values of August for districts of Madhya Pradesh																																
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Agar Malwa	4.1	4.2	4.0	4.0	3.7	3.4	3.4	3.3	3.3	3.3	3.6	3.6	3.4	3.6	3.2	3.4	3.6	4.0	3.7	3.4	3.5	4.0	3.9	3.9	3.8	3.9	3.9	4.0	3.9	4.1	4.0
2	Alirajpur	3.2	2.9	2.9	3.1	2.8	2.9	2.7	2.7	2.5	2.6	2.9	2.8	2.7	2.8	2.8	2.8	3.1	2.9	3.1	3.0	3.0	3.4	3.4	2.9	3.1	3.2	3.1	3.4	3.5	3.4	3.4
3	Anuppur	3.8	3.7	3.6	3.7	3.5	3.2	3.7	3.4	3.5	3.6	3.7	3.8	3.8	3.8	3.9	3.7	3.9	3.7	3.5	3.6	3.6	3.6	3.8	3.8	4.0	3.8	4.0	3.8	3.8	3.7	3.4
4	Ashoknagar	4.1	4.1	4.0	4.1	4.0	3.4	3.3	3.4	3.6	3.6	3.4	3.7	3.8	3.7	3.4	3.8	3.9	3.7	4.0	3.7	3.7	3.8	4.2	3.8	3.9	4.0	4.2	3.9	4.1	4.2	4.1
5	Balaghat	3.5	3.5	3.5	3.4	3.2	3.2	2.7	2.8	2.9	3.2	3.1	3.5	3.4	3.4	3.5	3.5	3.5	3.1	2.9	3.0	3.2	3.3	3.3	3.4	3.6	3.8	4.0	3.6	3.6	3.5	3.6
6	Barwani	3.4	3.2	3.5	3.5	3.3	3.2	3.2	3.0	2.9	3.2	3.3	3.1	3.1	3.3	3.4	3.2	3.6	3.1	3.4	3.2	3.3	3.5	3.4	3.6	3.3	3.6	3.6	3.9	3.6	3.6	3.8
7	Betul	2.6	2.5	2.4	2.5	2.4	1.9	2.0	2.0	2.4	2.3	2.5	2.4	2.1	2.0	2.0	2.4	2.5	2.2	2.2	2.2	2.3	2.7	2.8	2.9	2.8	2.9	2.7	2.7	2.7	2.7	2.8
8	Bhind	5.4	5.6	5.6	5.4	5.6	5.1	5.0	5.0	5.2	4.8	5.0	5.0	5.2	4.8	5.0	4.8	4.9	5.1	4.7	4.9	5.0	4.9	5.4	5.2	5.2	5.1	5.6	5.5	5.3	5.5	5.4
9	Bhopal	3.1	3.2	2.9	3.0	2.7	2.4	2.6	2.2	2.5	2.6	2.7	2.9	2.6	2.8	2.3	2.8	3.1	2.8	2.7	2.4	2.6	3.0	3.3	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2
10	Burhanpur	3.0	2.8	3.0	2.7	3.0	2.6	2.4	2.1	2.6	2.4	2.8	2.7	2.6	2.9	2.9	2.6	2.9	2.8	2.7	2.4	2.7	2.9	3.1	3.0	3.1	3.1	3.2	3.2	2.9	3.2	2.8
11	Chhatarpur	4.7	4.6	4.8	4.7	4.8	4.6	4.4	4.4	4.4	4.1	4.6	4.3	4.7	4.1	3.8	4.6	4.4	4.1	4.3	4.4	4.5	4.3	4.6	4.3	4.4	4.7	4.8	4.4	4.8	4.7	4.3
12	Chhindwara	2.9	2.8	2.8	2.6	2.5	2.3	2.2	1.9	2.2	2.4	2.7	2.9	2.6	2.6	2.6	2.7	2.8	2.6	2.4	2.4	2.6	3.0	3.0	2.9	3.0	3.2	3.2	3.0	2.9	3.2	3.1
13	Damoh	3.8	4.0	3.8	3.9	4.0	3.6	3.4	3.4	3.4	3.4	3.6	3.7	3.7	3.4	3.2	3.9	3.9	3.6	3.6	3.6	3.6	3.7	4.0	3.6	3.6	3.7	4.1	3.7	4.2	3.7	3.7
14	Datia	5.1	5.2	5.4	5.1	5.4	4.8	4.6	4.7	4.8	4.5	4.7	4.8	5.0	4.8	5.1	4.9	4.9	5.0	4.7	4.8	5.0	4.7	5.3	4.8	5.1	5.2	5.6	5.4	5.2	5.4	5.1
15	Dewas	2.9	3.0	2.8	2.8	2.7	2.4	2.5	2.3	2.4	2.3	2.7	2.6	2.3	2.9	2.4	2.5	2.9	2.8	2.7	2.5	2.7	3.1	3.2	3.0	3.0	3.1	3.2	3.3	3.1	3.3	3.2
16	Dhar	2.7	2.7	2.7	2.7	2.6	2.3	2.7	2.5	2.3	2.5	2.6	2.4	2.6	2.6	2.7	2.6	2.8	2.4	2.7	2.7	2.7	2.8	2.9	2.8	2.8	3.0	3.1	3.1	3.2	3.3	3.3
17	Dindori	3.2	3.4	3.2	3.2	3.2	3.0	2.8	2.5	2.8	3.0	3.0	3.2	3.1	3.1	3.0	3.2	3.3	3.1	3.0	3.1	3.1	3.0	3.1	3.2	3.3	3.4	3.6	3.1	3.3	3.3	3.4
18	Guna	4.0	4.0	3.7	3.9	3.8	3.2	3.2	3.2	3.4	3.4	3.3	3.4	3.5	3.5	3.2	3.5	3.6	3.5	3.8	3.4	3.4	3.6	4.0	3.7	3.8	3.7	3.9	3.8	3.8	4.0	4.1
19	Gwalior	5.2	5.4	5.5	5.3	5.5	4.8	4.8	4.8	5.1	4.6	4.8	4.9	5.1	4.9	5.1	4.9	4.8	5.0	4.6	4.9	4.9	4.7	5.3	5.0	5.2	5.0	5.6	5.5	5.3	5.4	5.3
20	Harda	3.4	3.5	3.4	3.3	3.1	2.7	3.0	2.6	3.1	2.9	3.1	3.3	3.0	3.3	2.8	3.1	3.5	3.3	3.2	2.9	3.1	3.3	3.6	3.4	3.4	3.6	3.4	3.6	3.5	3.4	3.3
21	Hoshangaba	3.6	3.7	3.3	3.4	3.2	2.7	3.0	2.6	2.9	2.9	3.1	3.6	3.1	3.0	2.7	3.1	3.5	3.1	3.1	2.7	2.9	3.3	3.6	3.4	3.2	3.5	3.4	3.4	3.3	3.4	3.5
22	Indore	2.9	2.7	2.9	2.6	2.6	2.4	2.5	2.1	2.3	2.2	2.6	2.5	2.2	2.8	2.6	2.4	2.9	2.6	2.6	2.6	2.6	3.0	3.1	2.7	2.8	3.0	3.1	3.3	3.0	3.2	3.1
23	Jabalpur	3.6	3.9	3.7	3.6	3.5	3.3	3.1	3.1	3.0	3.0	3.2	3.5	3.3	3.2	3.1	3.5	3.5	3.2	3.4	3.3	3.3	3.4	3.6	3.3	3.5	3.5	3.7	3.4	3.7	3.5	3.6
24	Jhabua	2.8	2.7	2.7	2.8	2.6	2.5	2.7	2.5	2.3	2.5	2.7	2.5	2.6	2.7	2.7	2.7	2.8	2.5	2.9	2.7	2.8	3.0	2.9	2.9	2.8	3.0	3.2	3.4	3.3	3.2	3.5
25	Katni	3.9	4.1	3.7	4.1	4.0	3.8	3.8	3.6	3.6	3.8	3.7	3.9	3.6	3.7	3.7	4.0	3.7	3.6	3.6	3.9	3.7	3.7	3.7	3.7	3.9	3.8	3.9	3.9	4.0	4.0	3.8
26	Khandwa	3.1	2.8	3.2	2.8	3.1	2.7	2.6	2.4	2.6	2.6	2.9	2.7	2.7	3.0	2.9	2.7	3.1	2.9	2.7	2.7	2.7	3.0	3.2	3.1	3.2	3.2	3.2	3.4	3.1	3.3	3.0

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Daily ETo values of August for districts of Madhya Pradesh																																
S No	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	Khargone	2.9	2.7	3.0	2.9	2.8	2.6	2.5	2.6	2.5	2.7	2.8	2.7	2.7	2.8	2.9	2.6	3.1	2.7	2.9	2.5	2.8	3.0	3.0	3.1	2.9	3.2	3.1	3.3	3.0	3.2	3.2
28	Mandla	3.5	3.7	3.6	3.4	3.3	3.3	3.1	2.9	3.0	3.2	3.0	3.4	3.3	3.2	3.3	3.5	3.4	3.3	3.3	3.3	3.2	3.2	3.4	3.4	3.6	3.7	3.9	3.4	3.7	3.5	3.6
29	Mandsaur	3.8	4.1	4.1	4.0	3.5	3.4	3.8	3.3	3.5	3.5	3.5	3.6	3.5	3.5	3.2	3.3	3.4	4.0	3.9	3.3	3.4	4.0	3.8	3.9	3.9	3.7	4.0	3.8	3.9	4.2	4.3
30	Morena	5.3	5.5	5.6	5.6	5.6	5.0	4.9	4.9	5.4	4.9	5.1	5.1	5.1	5.0	5.1	5.0	4.9	5.1	4.7	4.9	4.9	4.9	5.3	5.2	5.3	5.1	5.5	5.6	5.3	5.5	5.6
31	Narsinghpur	3.7	4.0	3.9	3.8	3.6	3.4	3.4	3.1	3.1	3.2	3.4	3.9	3.4	3.4	3.1	3.5	3.6	3.4	3.2	3.2	3.2	3.7	3.7	3.5	3.7	3.7	3.8	3.5	3.6	3.4	3.9
32	Neemuch	3.8	4.5	4.0	4.0	3.6	3.9	4.0	3.4	3.9	3.9	3.5	3.7	3.8	3.4	3.6	3.7	3.6	4.1	4.0	3.6	3.7	4.0	3.7	4.3	3.9	4.1	3.9	4.1	4.3	4.4	4.3
33	Panna	4.8	4.8	4.9	4.8	5.0	4.8	4.6	4.6	4.6	4.5	4.8	4.4	4.8	4.3	4.0	4.5	4.5	4.2	4.4	4.5	4.8	4.4	4.7	4.6	4.5	4.7	4.9	4.5	4.9	4.8	4.4
34	Raisen	3.1	3.2	2.9	3.0	2.8	2.5	2.6	2.2	2.6	2.6	2.8	2.9	2.7	2.9	2.4	2.8	3.2	2.9	2.7	2.5	2.7	3.1	3.4	3.0	3.0	3.1	3.0	3.2	3.1	3.2	3.3
35	Rajgarh	4.1	4.2	3.8	3.8	3.6	3.4	3.4	3.0	3.3	3.5	3.5	3.7	3.5	3.7	3.3	3.5	3.6	3.9	3.5	3.4	3.5	4.0	4.0	3.8	4.1	3.8	3.8	4.0	3.8	4.0	3.9
36	Ratlam	3.3	3.1	3.3	3.1	2.9	2.7	3.0	2.5	2.5	2.4	2.9	2.8	2.6	2.9	2.7	2.7	2.8	3.0	3.1	2.9	3.0	3.2	3.1	3.0	2.8	3.2	3.2	3.3	3.2	3.5	3.5
37	Rewa	4.7	4.8	4.5	4.7	4.8	4.8	4.6	4.5	4.4	4.4	4.6	4.4	4.7	4.2	4.2	4.4	4.4	4.3	4.5	4.4	4.6	4.3	4.5	4.6	4.6	4.5	4.8	4.4	4.7	4.6	4.5
38	Sagar	3.4	3.6	3.4	3.6	3.5	3.2	2.9	2.8	2.9	2.9	3.1	3.3	3.2	3.1	2.7	3.4	3.5	3.2	3.1	3.1	3.3	3.4	3.5	3.2	3.1	3.4	3.7	3.5	3.8	3.4	3.4
39	Satna	4.5	4.4	4.6	4.8	4.5	4.6	4.5	4.3	4.2	4.7	4.3	4.5	4.2	4.3	4.0	4.5	4.0	4.3	4.3	4.4	4.3	4.2	4.5	4.5	4.3	4.6	4.3	4.6	4.4	4.5	4.5
40	Seoni	3.4	3.0	3.1	3.2	2.9	2.9	2.5	2.8	2.9	3.1	3.2	3.2	3.3	3.3	3.2	3.4	3.2	2.8	2.9	3.1	3.1	3.3	3.3	3.2	3.6	3.8	3.5	3.5	3.5	3.6	3.4
41	Shahdol	4.2	4.3	4.0	4.2	4.2	4.0	4.0	3.9	3.9	3.7	4.0	3.9	4.2	4.0	3.8	4.0	4.0	4.1	4.1	4.0	4.1	4.0	3.9	4.2	4.3	4.2	4.3	3.8	4.3	4.1	4.0
42	Shajapur	4.0	4.2	3.9	3.9	3.6	3.3	3.3	3.2	3.2	3.3	3.6	3.5	3.3	3.6	3.2	3.3	3.6	3.9	3.5	3.4	3.4	4.0	3.9	3.8	3.9	3.9	3.8	3.9	3.8	4.0	3.9
43	Sehore	3.1	3.2	3.0	3.2	3.2	3.0	2.8	2.5	2.8	2.8	3.0	3.2	3.0	3.2	2.4	2.9	3.1	2.9	2.8	2.6	3.0	3.1	3.3	2.9	2.8	3.1	3.3	3.3	3.3	3.2	3.2
44	Seopur	5.5	5.4	5.0	5.1	5.2	4.5	4.7	4.5	4.5	4.9	4.6	5.0	4.8	4.8	4.7	4.4	4.9	5.1	4.8	4.6	4.9	4.7	5.1	5.3	4.9	5.1	5.2	5.3	5.2	5.1	5.6
45	Shivpuri	4.7	4.9	4.7	4.6	4.8	3.9	4.0	4.2	4.3	4.2	4.0	4.3	4.4	4.5	4.3	4.4	4.5	4.4	4.3	4.3	4.4	4.1	4.8	4.4	4.7	4.7	4.9	4.8	4.5	4.9	4.9
46	Sidhi	4.7	4.6	4.6	4.8	4.6	5.0	4.6	4.5	4.5	4.8	4.3	4.4	4.4	4.4	4.3	4.6	4.2	4.6	4.5	4.6	4.4	4.4	4.3	4.7	4.5	4.5	4.5	4.6	4.8	4.7	4.6
47	Singrauli	4.7	4.9	4.3	4.8	4.7	4.7	4.8	4.4	4.5	4.6	4.5	4.2	4.8	4.3	4.1	4.6	4.4	4.4	4.6	4.7	4.5	4.4	4.3	4.7	4.7	4.6	4.7	4.3	4.7	4.5	4.4
48	Tikamgarh	4.3	4.5	4.6	4.7	4.4	4.1	4.0	4.4	4.0	4.2	4.2	4.5	4.2	4.2	4.2	4.5	4.4	4.1	4.2	4.4	4.2	4.5	4.3	4.3	4.4	4.8	4.3	4.7	4.5	4.5	4.4
49	Ujjain	3.6	3.6	3.5	3.4	3.3	3.0	3.3	2.8	2.8	2.8	3.2	3.1	2.8	3.2	2.9	3.1	3.2	3.4	3.2	3.2	3.2	3.6	3.5	3.4	3.2	3.6	3.6	3.7	3.5	3.8	3.7
50	Umaria	3.7	3.9	3.6	3.8	3.9	3.6	3.4	3.5	3.3	3.1	3.6	3.7	3.7	3.4	3.4	3.7	3.6	3.5	3.5	3.5	3.6	3.5	3.6	3.6	3.7	3.7	3.9	3.6	3.9	3.7	3.7
51	Vidisha	3.4	3.5	3.3	3.5	3.2	3.0	2.9	2.6	2.8	2.9	3.0	3.4	3.0	3.2	2.6	3.1	3.4	3.1	3.1	2.7	3.1	3.3	3.6	3.1	3.3	3.2	3.2	3.4	3.4	3.4	3.4

Table 1.9: Daily ET_o values of September for districts of Madhya Pradesh

Daily ETo values of September for districts of Madhya Pradesh																																	
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
1	Agar Malwa	3.9	4.2	3.9	4.0	3.9	4.0	3.9	4.2	4.4	4.4	4.4	4.9	4.8	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.9	4.7	4.9	4.7	5.1	5.1	5.0	5.1	5.2	5.1		
2	Alirajpur	3.4	3.7	3.8	3.8	3.9	3.5	3.7	4.2	3.9	4.4	4.5	4.6	4.5	4.4	4.4	4.2	4.8	4.5	4.7	4.6	4.7	4.4	4.5	4.6	4.8	4.7	4.8	4.8	4.7	4.7		
3	Anuppur	3.9	3.6	3.8	4.0	4.0	3.4	3.5	3.8	4.2	4.1	3.9	3.6	3.7	4.0	4.2	4.0	4.2	4.1	4.0	4.3	4.2	3.8	4.1	4.5	4.6	4.4	4.4	4.4	4.4	4.5		
4	Ashoknagar	4.0	4.0	4.1	3.9	3.8	4.0	4.1	4.4	4.4	4.4	4.5	4.6	4.2	4.4	4.1	4.2	4.4	4.2	4.4	4.3	4.8	4.8	4.6	4.6	4.9	5.2	5.1	5.0	5.0	4.9		
5	Balaghat	3.5	3.7	3.4	3.4	3.6	3.4	3.8	3.9	3.7	3.7	4.0	3.8	4.0	3.9	4.0	4.1	4.2	4.4	4.3	4.2	4.4	4.6	4.5	4.3	4.5	4.7	4.8	4.8	4.7	4.8		
6	Barwani	3.9	3.9	4.1	4.2	3.6	3.8	4.0	4.3	4.4	4.9	4.6	4.8	4.6	4.7	4.6	4.6	5.0	5.0	4.7	4.9	4.7	4.7	4.8	4.9	4.8	4.7	4.9	4.9	5.1	5.1		
7	Betul	2.8	2.7	3.1	2.7	2.9	2.7	3.3	3.4	3.5	3.7	3.8	3.6	3.6	3.7	3.5	3.7	4.1	3.9	3.4	4.0	3.9	4.1	4.0	4.2	4.3	4.2	4.0	4.4	4.5	4.7		
8	Bhind	5.2	5.1	5.0	5.4	5.5	4.9	5.0	5.1	5.3	5.2	5.0	5.1	4.9	5.1	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.5	5.3	5.1	5.2	5.6	5.6	5.7	5.5	5.3		
9	Bhopal	3.1	3.3	3.0	2.8	3.1	3.2	3.3	3.3	3.5	3.8	3.8	3.6	3.7	3.8	3.7	3.7	4.1	3.8	3.9	3.9	4.1	4.3	4.2	4.3	4.5	4.5	4.5	4.7	4.6	4.7		
10	Burhanpur	3.0	2.9	2.9	3.4	3.0	3.2	3.2	3.6	3.8	3.9	4.0	4.2	4.0	4.2	3.8	3.9	4.0	4.0	4.0	4.1	3.9	4.0	3.8	4.2	4.3	4.3	4.3	4.1	4.3	4.6		
11	Chhatarpur	4.2	4.2	4.5	4.0	4.2	4.3	4.3	4.4	4.7	4.3	4.4	4.3	4.5	4.3	4.2	4.5	4.3	4.5	4.4	4.5	4.6	4.9	4.7	4.7	4.8	5.2	5.2	5.1	5.2	5.3		
12	Chhindwara	3.0	3.4	3.1	3.2	3.2	3.1	3.2	3.8	3.5	3.6	3.6	3.6	3.9	3.7	3.7	3.7	4.0	4.1	3.8	3.8	3.9	4.2	3.9	4.2	4.2	4.4	4.4	4.4	4.4	4.5		
13	Damoh	3.7	3.8	3.9	3.5	3.6	3.8	4.0	3.8	4.2	3.9	4.0	3.8	3.9	4.0	3.9	3.9	4.1	4.2	4.2	4.1	4.2	4.7	4.5	4.4	4.6	4.9	4.7	4.7	4.9	4.9		
14	Datia	5.1	4.9	4.9	5.2	5.2	4.9	5.1	5.1	5.4	5.2	4.8	5.1	5.0	5.0	4.8	5.1	5.0	4.9	5.1	4.9	5.2	5.5	5.4	5.2	5.5	5.8	5.8	5.8	5.8	5.6		
15	Dewas	3.1	3.4	2.9	3.2	3.1	3.1	3.2	3.6	3.8	4.0	3.9	4.3	4.2	4.0	4.0	4.2	4.2	4.1	4.3	4.4	4.4	4.2	4.3	4.3	4.7	4.7	4.5	4.5	4.7	4.7		
16	Dhar	3.3	3.3	3.2	3.3	3.1	3.0	3.3	3.5	4.1	4.2	4.1	4.3	4.0	4.0	4.1	3.9	4.3	4.3	4.3	4.4	4.2	4.2	4.4	4.5	4.4	4.5	4.4	4.6	4.8	4.8		
17	Dindori	3.2	3.3	3.3	3.1	3.3	3.3	3.2	3.4	3.3	3.3	3.5	3.5	3.5	3.5	3.5	3.7	3.8	3.7	3.9	3.9	4.1	4.2	3.9	3.6	4.1	4.3	4.2	4.4	4.4	4.4		
18	Guna	3.9	4.1	3.9	3.7	3.7	3.9	4.0	4.2	4.2	4.2	4.4	4.4	4.1	4.3	4.1	4.1	4.3	4.1	4.3	4.2	4.7	4.7	4.5	4.6	4.8	5.0	5.0	4.9	5.0	4.9		
19	Gwalior	5.3	5.2	5.0	5.3	5.4	5.0	5.2	5.2	5.4	5.2	5.1	5.2	5.1	5.1	5.0	5.0	5.0	4.9	5.2	5.0	5.1	5.5	5.4	5.3	5.4	5.9	5.7	5.8	5.6	5.5		
20	Harda	3.5	3.4	3.4	3.4	3.4	3.5	3.8	4.0	4.0	4.2	4.3	4.4	4.3	4.3	4.0	4.2	4.5	4.5	4.1	4.2	4.4	4.5	4.4	4.5	4.7	4.5	4.5	4.4	4.7	4.9		
21	Hoshangabad	3.5	3.4	3.3	3.2	3.4	3.5	3.7	3.8	3.8	4.0	4.2	4.2	4.1	4.1	3.9	4.0	4.3	4.3	4.0	4.0	4.4	4.5	4.4	4.5	4.6	4.6	4.5	4.6	4.7	4.8		
22	Indore	3.1	3.2	2.9	3.2	3.1	3.0	3.1	3.5	3.7	4.0	3.8	4.1	4.3	3.9	3.8	4.0	4.1	4.0	4.2	4.2	4.3	4.1	4.1	4.2	4.6	4.5	4.3	4.4	4.5	4.6		
23	Jabalpur	3.7	3.6	3.5	3.3	3.4	3.6	3.7	3.6	3.7	3.5	3.9	3.7	3.9	3.9	3.7	3.8	3.8	4.0	3.9	4.0	4.2	4.4	4.2	4.2	4.5	4.6	4.6	4.5	4.6	4.7		
24	Jhabua	3.5	3.3	3.6	3.5	3.3	3.2	3.5	3.6	4.2	4.3	4.3	4.4	4.3	4.2	4.2	4.2	4.5	4.5	4.4	4.5	4.3	4.3	4.4	4.5	4.4	4.5	4.7	4.7	4.8	4.7		
25	Katni	3.8	3.7	3.6	3.7	3.7	3.9	3.9	3.9	4.0	3.8	3.9	4.0	4.0	3.8	3.9	3.9	3.8	4.3	4.2	4.3	4.4	4.5	4.2	4.2	4.6	4.7	4.5	4.7	4.8	4.7		
26	Khandwa	3.2	3.1	3.0	3.5	3.2	3.3	3.3	3.7	3.9	4.1	4.1	4.3	4.4	4.1	3.8	4.0	4.2	4.2	4.2	4.2	4.1	4.3	4.1	4.3	4.6	4.6	4.4	4.4	4.4	4.7		

Cont..

Daily ETo values of September for districts of Madhya Pradesh																															
S No	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
27	Khargone	3.2	3.2	3.4	3.6	3.2	3.3	3.5	3.8	4.0	4.4	4.1	4.4	4.1	4.0	4.1	4.1	4.4	4.5	4.2	4.3	4.2	4.1	4.3	4.5	4.4	4.3	4.4	4.2	4.7	4.7
28	Mandla	3.7	3.7	3.4	3.4	3.5	3.4	3.6	3.8	3.6	3.5	3.8	3.7	3.9	3.9	3.7	3.9	4.0	4.0	4.0	4.2	4.3	4.3	4.3	4.1	4.4	4.5	4.4	4.6	4.6	4.7
29	Mandsaur	4.2	4.1	4.0	4.0	4.0	4.2	4.0	4.3	4.6	4.7	4.7	5.1	4.9	4.6	4.8	4.9	4.8	5.0	5.0	4.9	5.0	5.0	4.8	4.8	5.0	5.2	5.1	5.2	5.2	5.3
30	Morena	5.4	5.3	5.2	5.6	5.7	5.1	5.3	5.3	5.4	5.3	5.4	5.4	5.2	5.2	5.2	5.1	5.3	5.2	5.4	5.3	5.3	5.5	5.4	5.5	5.5	6.0	5.7	5.9	5.8	5.6
31	Narsinghpur	3.7	3.7	3.6	3.5	3.5	3.8	3.8	4.0	3.8	3.8	4.1	3.8	4.0	4.0	3.9	4.0	4.1	4.2	4.1	4.1	4.4	4.6	4.4	4.6	4.6	4.7	4.7	4.6	4.8	4.7
32	Neemuch	4.4	4.3	4.5	4.1	4.4	4.3	4.2	4.4	4.8	5.0	4.9	5.0	5.1	4.6	4.9	4.9	5.0	5.3	4.9	5.0	5.0	5.1	4.9	4.9	5.1	5.3	5.0	5.0	5.2	5.4
33	Panna	4.4	4.3	4.5	4.2	4.2	4.3	4.4	4.4	4.7	4.5	4.4	4.3	4.5	4.2	4.2	4.4	4.4	4.4	4.5	4.4	4.7	5.0	4.7	4.6	4.7	5.1	5.2	5.0	5.2	5.2
34	Raisen	3.2	3.4	3.0	3.0	3.2	3.3	3.3	3.4	3.7	3.9	3.9	3.8	3.8	3.9	3.8	3.9	4.1	3.9	3.9	4.1	4.2	4.4	4.3	4.3	4.5	4.6	4.5	4.7	4.7	4.8
35	Rajgarh	3.9	4.1	4.1	3.9	3.6	4.0	4.0	4.2	4.3	4.3	4.4	4.6	4.5	4.7	4.6	4.4	4.6	4.7	4.5	4.7	4.7	4.6	4.7	4.6	5.0	4.9	5.0	4.9	5.1	5.0
36	Ratlam	3.5	3.7	3.3	3.5	3.5	3.5	3.3	3.8	4.0	4.4	4.2	4.5	4.6	4.2	4.3	4.2	4.4	4.5	4.6	4.6	4.5	4.4	4.5	4.5	4.7	4.7	4.7	4.8	4.9	5.0
37	Rewa	4.5	4.5	4.4	4.2	4.2	4.3	4.4	4.3	4.6	4.4	4.6	4.3	4.5	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.9	4.5	4.4	4.6	5.0	4.9	4.8	5.2	5.1
38	Sagar	3.5	3.4	3.5	3.3	3.3	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.6	3.7	3.8	3.7	4.0	4.0	4.0	3.9	4.3	4.6	4.2	4.2	4.5	4.8	4.7	4.6	4.7	4.8
39	Satna	4.3	4.4	3.9	4.2	4.1	4.2	4.4	4.3	4.3	4.4	4.4	4.3	4.4	4.0	4.3	4.1	4.2	4.4	4.6	4.4	4.5	4.7	4.5	4.6	4.8	5.0	4.7	5.1	5.1	5.0
40	Seoni	3.5	3.8	3.4	3.7	3.3	3.2	3.6	3.9	3.6	3.7	3.9	3.8	4.0	3.9	4.0	4.2	4.2	4.3	4.0	4.2	4.3	4.4	4.3	4.2	4.5	4.6	4.5	4.7	4.7	4.8
41	Shahdol	4.2	3.9	4.2	3.9	4.1	4.1	3.9	3.9	4.1	3.9	4.3	4.0	4.2	4.0	4.2	4.2	4.1	4.1	4.2	4.3	4.4	4.6	4.3	3.9	4.4	4.7	4.5	4.7	4.7	4.5
42	Shajapur	3.8	4.2	3.9	3.9	3.8	3.9	3.9	4.1	4.4	4.3	4.4	4.7	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.6	4.8	4.6	5.0	5.0	4.9	4.9	5.1	5.0
43	Sehore	3.2	3.4	3.2	3.2	3.3	3.2	3.4	3.4	3.6	3.7	3.8	3.8	3.6	3.7	3.8	3.8	4.0	4.0	4.0	3.9	4.0	4.5	4.4	4.3	4.6	4.9	4.6	4.7	4.6	4.8
44	Seopur	5.1	5.3	5.3	5.0	5.3	5.0	5.4	5.2	5.4	5.2	5.5	5.2	5.5	5.2	5.5	5.5	5.5	5.1	5.4	5.3	5.4	5.5	5.4	5.5	5.6	5.7	5.8	6.0	5.8	5.8
45	Shivpuri	4.8	4.8	4.6	4.9	4.7	4.6	4.9	4.9	5.1	5.0	5.0	5.1	5.0	5.0	4.8	4.9	5.0	4.7	5.1	5.0	5.2	5.5	5.1	5.2	5.6	5.9	5.8	5.7	5.8	5.5
46	Sidhi	4.5	4.4	4.4	4.4	4.2	4.3	4.3	4.4	4.4	4.5	4.4	4.3	4.3	4.2	4.4	4.3	4.3	4.5	4.6	4.4	4.7	4.6	4.4	4.4	4.5	4.8	4.6	4.8	4.9	4.8
47	Singrauli	4.6	4.3	4.6	4.2	4.5	4.2	4.3	4.3	4.4	4.4	4.5	4.1	4.3	4.1	4.3	4.5	4.4	4.3	4.5	4.6	4.5	4.7	4.4	4.4	4.2	4.7	4.7	4.7	4.9	4.8
48	Tikamgarh	4.3	4.3	4.3	4.2	4.3	4.1	4.4	4.4	4.7	4.6	4.4	4.4	4.5	4.2	4.4	4.5	4.4	4.6	4.7	4.6	4.6	5.0	4.8	4.9	5.0	5.4	5.2	5.2	5.2	5.3
49	Ujjain	3.6	3.9	3.5	3.6	3.6	3.6	3.5	3.9	4.2	4.4	4.2	4.6	4.7	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.7	4.5	4.7	4.5	4.9	5.0	4.7	4.9	5.1	5.0
50	Umaria	3.5	3.7	3.7	3.4	3.5	3.8	3.7	3.7	3.8	3.5	3.9	3.8	3.9	3.8	3.8	3.8	3.7	3.9	4.0	4.1	4.3	4.5	4.2	3.8	4.5	4.6	4.4	4.5	4.6	4.6
51	Vidisha	3.4	3.5	3.5	3.2	3.3	3.5	3.6	3.7	3.7	3.9	4.0	3.8	3.8	3.9	3.9	3.8	4.3	3.9	4.1	4.1	4.4	4.6	4.3	4.4	4.6	4.8	4.7	4.9	4.8	4.7

Table 1.10: Daily ET_o values of October for districts of Madhya Pradesh

Daily ETo values of October for districts of Madhya Pradesh																																		
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
1	Agar Malwa	5.1	5.2	5.0	5.0	5.3	5.2	5.3	5.3	5.3	5.4	5.3	4.9	5.1	5.0	5.3	5.5	5.2	5.1	5.1	5.2	5.3	5.2	5.2	5.1	5.0	5.0	5.0	5.3	5.1	5.0	5.0		
2	Alirajpur	4.9	5.0	4.9	4.9	5.0	5.2	5.1	5.0	5.0	5.1	5.0	4.8	4.8	5.0	5.2	5.2	5.0	5.3	5.2	5.0	5.3	5.3	5.1	5.1	5.0	5.2	5.1	5.1	5.1	5.2			
3	Anuppur	4.2	4.3	4.3	4.3	4.1	4.1	4.2	4.4	4.3	4.5	4.3	4.2	4.2	4.2	4.1	4.1	4.1	3.9	4.0	3.9	4.0	4.0	3.9	3.9	4.2	4.1	3.7	3.8	3.6	3.8	3.7		
4	Ashoknagar	5.1	5.0	5.0	5.0	5.0	5.1	5.2	5.2	5.2	5.3	5.2	5.1	5.0	5.1	5.0	5.2	5.1	4.9	4.9	5.0	4.9	4.9	4.8	4.6	4.7	4.6	4.7	4.8	4.8	4.7	4.7		
5	Balaghat	4.6	4.8	4.8	4.4	4.4	4.5	4.6	4.3	4.4	4.4	4.5	4.7	4.6	4.6	4.6	4.4	4.4	4.3	4.1	4.4	4.3	4.3	4.3	4.3	4.3	4.4	4.5	4.4	4.1	4.4	4.2		
6	Barwani	5.1	5.0	5.1	5.2	5.2	5.2	5.3	5.1	5.1	5.2	4.9	4.8	4.9	5.1	5.2	5.0	4.9	5.2	5.2	5.1	5.2	5.3	5.3	5.2	5.1	4.9	5.2	5.3	5.1	5.1	5.0		
7	Betul	4.5	4.6	4.4	4.4	4.2	4.0	4.4	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.5	4.3	4.1	4.2	4.3	4.2	4.4	4.3	4.5	4.4	4.3	4.3	4.3	4.4	4.4	4.4	4.4		
8	Bhind	5.3	5.4	5.4	5.3	5.3	5.5	5.3	5.4	5.5	5.5	5.4	5.0	5.1	5.5	5.3	5.2	5.0	4.7	4.8	4.9	5.0	5.0	4.7	4.8	4.6	4.6	4.8	4.6	4.6	4.8	4.5		
9	Bhopal	4.6	4.7	4.8	4.6	4.6	4.5	4.7	4.7	4.7	4.7	4.8	4.5	4.4	4.5	4.8	4.9	4.8	4.6	4.5	4.5	4.5	4.6	4.6	4.3	4.2	4.4	4.3	4.4	4.5	4.5	4.6		
10	Burhanpur	4.5	4.5	4.7	4.4	4.3	4.5	4.3	4.5	4.7	4.5	4.4	4.5	4.4	4.4	4.6	4.5	4.2	4.5	4.5	4.7	4.4	4.6	4.7	4.6	4.4	4.4	4.5	4.6	4.6	4.6	4.5		
11	Chhatarpur	4.9	4.8	5.0	5.0	4.9	5.0	4.9	4.8	5.1	5.4	5.0	5.0	5.0	5.1	5.1	5.0	4.7	4.7	4.7	4.9	4.9	4.9	4.7	4.5	4.5	4.5	4.7	4.6	4.8	4.7	4.5		
12	Chhindwara	4.4	4.3	4.3	4.3	4.0	4.0	4.0	4.2	4.3	4.2	4.3	4.1	4.4	4.5	4.2	4.1	4.2	4.1	4.2	4.0	3.8	4.1	4.4	4.3	4.2	4.0	4.2	4.1	4.1	4.2	4.1		
13	Damoh	4.7	4.8	4.8	4.6	4.6	4.7	4.7	4.6	4.8	5.0	4.8	4.8	4.5	4.7	4.7	4.7	4.4	4.5	4.4	4.6	4.6	4.6	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.3		
14	Datia	5.5	5.4	5.5	5.4	5.3	5.6	5.5	5.4	5.6	5.7	5.5	5.3	5.3	5.5	5.4	5.5	5.2	4.9	4.9	5.0	5.2	5.2	5.0	5.0	4.6	4.7	5.0	4.9	4.9	4.8	4.7		
15	Dewas	4.8	4.8	4.8	4.8	4.9	5.0	5.0	4.9	4.9	4.8	4.9	4.4	4.6	4.6	4.8	5.2	4.8	4.8	4.8	4.9	4.8	4.8	4.8	4.6	4.5	4.6	4.6	4.7	4.8	4.6	4.5		
16	Dhar	4.7	4.8	4.6	4.9	4.9	5.0	5.1	4.8	4.7	5.0	4.7	4.5	4.6	4.8	5.0	4.9	4.8	5.1	5.2	5.0	5.0	5.0	5.2	5.0	5.0	4.9	5.0	5.1	5.1	4.9	5.0		
17	Dindori	4.3	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.3	4.4	4.2	4.4	4.2	4.1	3.9	4.0	4.1	4.0	4.0	4.1	4.1	4.0	4.1	4.1	4.2	4.1	3.9	4.1	3.9		
18	Guna	5.0	5.0	5.0	4.9	5.0	5.1	5.2	5.2	5.3	5.3	5.2	5.1	4.9	5.0	5.1	5.3	5.1	5.0	5.0	5.1	5.0	4.9	4.9	4.7	4.7	4.7	4.8	4.8	4.9	4.9	4.8		
19	Gwalior	5.4	5.4	5.4	5.5	5.4	5.6	5.5	5.5	5.6	5.6	5.5	5.1	5.3	5.5	5.5	5.4	5.1	4.7	5.0	5.0	5.1	5.1	4.9	5.0	4.7	4.8	5.0	4.8	4.8	4.9	4.7		
20	Harda	4.7	4.8	4.8	4.6	4.7	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.5	4.4	4.6	4.6	4.6	4.5	4.3	4.5	4.4	4.4	4.6	4.4	4.4	4.3	4.5	4.5	4.5	4.4	4.4		
21	Hoshangabad	4.6	4.8	4.7	4.6	4.6	4.5	4.5	4.6	4.6	4.7	4.7	4.6	4.4	4.4	4.5	4.5	4.4	4.4	4.1	4.4	4.4	4.3	4.5	4.3	4.3	4.2	4.3	4.3	4.4	4.3	4.3		
22	Indore	4.6	4.6	4.7	4.6	4.8	4.9	4.9	4.8	4.7	4.7	4.8	4.2	4.5	4.5	4.6	5.0	4.6	4.6	4.9	4.8	4.7	4.8	4.8	4.6	4.6	4.6	4.6	4.7	4.8	4.7	4.5		
23	Jabalpur	4.5	4.6	4.6	4.4	4.3	4.4	4.6	4.4	4.6	4.6	4.8	4.5	4.4	4.6	4.4	4.5	4.3	4.3	4.3	4.4	4.3	4.4	4.2	4.3	4.2	4.2	4.2	4.3	4.1	4.2	4.0		
24	Jhabua	4.7	4.8	4.7	5.0	4.9	5.1	5.0	4.9	4.7	5.0	4.8	4.5	4.7	4.8	5.1	5.0	4.9	5.2	5.3	5.0	5.1	5.1	5.2	5.1	5.0	5.0	5.1	5.2	5.1	5.1	5.0		
25	Katni	4.6	4.6	4.6	4.4	4.3	4.5	4.5	4.6	4.7	4.8	4.9	4.4	4.5	4.6	4.5	4.5	4.2	4.3	4.3	4.4	4.2	4.3	4.4	4.1	4.4	4.3	4.3	4.3	4.3	4.2	4.1		
26	Khandwa	4.7	4.7	4.9	4.6	4.6	4.8	4.6	4.7	4.9	4.6	4.6	4.6	4.7	4.5	4.7	4.6	4.4	4.6	4.6	4.8	4.5	4.7	4.8	4.7	4.5	4.5	4.8	4.8	4.7	4.7	4.7		

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Daily ETo values of October for districts of Madhya Pradesh																																
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	Khargone	4.7	4.6	4.5	4.5	4.6	4.6	4.8	4.7	4.6	4.7	4.4	4.5	4.4	4.7	4.7	4.5	4.6	4.8	4.7	4.6	4.8	4.9	4.9	4.8	4.5	4.5	4.8	4.9	4.7	4.7	4.7
28	Mandla	4.5	4.6	4.5	4.5	4.3	4.4	4.4	4.2	4.5	4.4	4.5	4.6	4.4	4.5	4.4	4.5	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.4	4.4	4.3	4.1	4.3	4.1
29	Mandsaur	5.3	5.3	5.1	5.0	5.3	5.4	5.6	5.6	5.5	5.6	5.4	5.3	5.3	5.1	5.5	5.5	5.3	5.3	5.3	5.3	5.3	5.2	5.4	5.1	5.0	4.9	5.0	5.2	5.3	5.1	5.1
30	Morena	5.5	5.5	5.6	5.5	5.5	5.6	5.6	5.6	5.6	5.7	5.6	5.2	5.3	5.6	5.6	5.4	5.2	4.8	5.1	5.2	5.0	5.1	4.9	5.0	4.7	4.8	5.0	4.8	4.8	5.0	4.7
31	Narsinghpur	4.7	4.7	4.7	4.5	4.5	4.5	4.5	4.6	4.7	4.8	4.8	4.6	4.5	4.5	4.5	4.5	4.4	4.3	4.4	4.4	4.3	4.5	4.3	4.4	4.2	4.3	4.2	4.3	4.2	4.1	4.0
32	Neemuch	5.3	5.2	5.0	5.4	5.3	5.4	5.5	5.7	5.4	5.5	5.4	5.4	5.2	5.1	5.4	5.4	5.2	5.3	5.3	5.1	5.1	5.2	5.1	5.1	4.9	4.9	4.9	5.2	5.1	5.1	4.9
33	Panna	4.9	4.7	5.0	4.9	4.9	4.9	4.8	4.8	5.0	5.3	4.9	4.9	4.9	5.1	5.0	4.9	4.7	4.7	4.6	4.8	4.8	4.8	4.5	4.5	4.5	4.2	4.5	4.5	4.6	4.5	4.3
34	Raisen	4.7	4.8	4.9	4.7	4.8	4.7	4.9	4.9	4.8	4.8	4.9	4.6	4.5	4.7	4.9	5.1	4.9	4.8	4.7	4.7	4.7	4.7	4.7	4.5	4.4	4.5	4.5	4.5	4.7	4.6	4.6
35	Rajgarh	5.0	5.0	4.9	4.8	5.0	4.9	5.1	5.2	5.2	5.2	5.2	4.8	4.8	4.9	5.2	5.3	5.0	4.9	4.9	5.0	5.0	5.0	4.9	4.9	4.7	4.8	4.6	5.1	5.0	4.9	4.8
36	Ratlam	4.8	5.0	4.8	4.7	5.0	5.2	5.4	5.2	5.2	5.1	5.2	4.8	5.0	4.9	5.2	5.4	5.3	5.3	5.3	5.3	5.4	5.3	5.4	5.3	5.3	5.2	5.2	5.4	5.3	5.3	5.4
37	Rewa	4.9	4.7	5.0	4.8	4.8	4.7	4.8	4.8	4.9	5.1	5.1	4.8	4.8	4.9	4.9	4.7	4.5	4.6	4.6	4.5	4.6	4.6	4.4	4.4	4.6	4.4	4.5	4.4	4.5	4.4	4.2
38	Sagar	4.5	4.7	4.7	4.4	4.4	4.6	4.5	4.6	4.7	4.9	4.7	4.6	4.3	4.4	4.6	4.7	4.4	4.4	4.3	4.5	4.5	4.6	4.3	4.2	4.3	4.3	4.3	4.3	4.4	4.3	4.3
39	Satna	4.9	4.8	4.9	4.6	4.5	4.9	4.7	4.8	5.0	5.0	5.0	4.9	4.9	5.1	4.7	4.6	4.5	4.6	4.5	4.6	4.6	4.6	4.5	4.4	4.5	4.4	4.5	4.5	4.6	4.3	4.2
40	Seoni	4.6	4.6	4.5	4.3	4.4	4.4	4.2	4.2	4.3	4.4	4.5	4.3	4.5	4.5	4.4	4.4	4.0	4.3	4.3	4.0	4.0	4.4	4.3	4.4	4.3	4.3	4.3	4.2	4.1	4.3	4.3
41	Shahdol	4.5	4.5	4.5	4.4	4.3	4.4	4.3	4.5	4.5	4.6	4.8	4.5	4.2	4.4	4.3	4.2	4.1	4.2	4.2	4.1	4.1	4.2	4.1	4.0	4.1	4.2	4.1	4.1	3.8	3.8	3.8
42	Shajapur	5.0	5.0	4.9	4.9	5.2	5.0	5.1	5.2	5.2	5.3	5.3	4.8	4.9	4.9	5.2	5.4	5.1	5.0	5.0	5.1	5.1	5.0	5.0	5.0	4.8	4.9	4.9	5.2	5.0	5.0	4.8
43	Sehore	4.7	4.8	4.8	4.5	4.7	4.8	4.7	4.8	4.9	4.9	4.9	4.7	4.6	4.7	4.8	4.9	4.6	4.6	4.5	4.7	4.6	4.6	4.6	4.4	4.3	4.3	4.3	4.4	4.5	4.4	4.4
44	Seopur	5.3	5.5	5.5	5.5	5.6	5.7	5.5	5.6	5.5	5.6	5.6	5.4	5.4	5.1	5.4	5.5	5.4	5.3	5.2	5.3	5.2	5.3	5.2	5.1	4.7	4.8	4.9	5.0	5.0	5.1	4.9
45	Shivpuri	5.5	5.6	5.5	5.5	5.6	5.7	5.7	5.6	5.7	5.9	5.6	5.4	5.5	5.5	5.6	5.7	5.4	5.1	5.3	5.4	5.4	5.3	5.2	5.1	5.0	5.0	5.1	5.0	5.2	5.2	5.0
46	Sidhi	4.7	4.6	4.8	4.5	4.5	4.7	4.6	4.8	4.8	5.0	4.9	4.7	4.5	4.7	4.7	4.4	4.3	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.5	4.4	4.4	4.3	4.3	4.1	4.1
47	Singrauli	4.6	4.7	4.6	4.6	4.6	4.5	4.5	4.6	4.6	4.8	5.0	4.5	4.4	4.4	4.5	4.2	4.1	4.3	4.3	4.2	4.2	4.4	4.2	4.2	4.2	4.3	4.3	4.3	4.1	3.9	4.0
48	Tikamgarh	5.0	5.0	4.9	5.0	4.9	5.0	4.9	5.2	5.3	5.5	5.1	4.9	5.0	5.1	5.1	5.0	4.5	4.8	4.9	4.9	4.8	4.9	4.7	4.4	4.6	4.7	4.7	4.8	4.8	4.6	4.4
49	Ujjain	5.0	5.2	4.9	4.9	5.3	5.3	5.4	5.3	5.3	5.2	5.3	4.8	5.0	4.9	5.2	5.5	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.3	5.2	5.2	5.2
50	Umaria	4.4	4.4	4.5	4.3	4.2	4.3	4.3	4.4	4.6	4.5	4.7	4.5	4.3	4.5	4.3	4.3	4.1	4.2	4.1	4.2	4.1	4.3	4.2	4.1	4.2	4.2	4.3	4.2	4.1	4.2	4.0
51	Vidisha	4.8	4.9	5.0	4.7	4.7	4.8	4.9	5.0	4.9	5.0	5.0	4.8	4.6	4.6	5.0	5.1	5.0	4.8	4.8	4.8	4.8	4.8	4.7	4.5	4.5	4.6	4.5	4.5	4.6	4.6	4.6

Table 1.11: Daily ET_o values of November for districts of Madhya Pradesh

Daily ETo values of November for districts of Madhya Pradesh																															
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Agar Malwa	5.2	5.0	5.1	5.1	5.0	5.1	4.9	4.9	4.8	4.6	4.5	4.6	4.7	4.8	4.7	4.7	4.6	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.3	4.3	4.4	4.3	4.3	4.2
2	Alirajpur	5.1	5.2	5.3	5.2	5.2	5.0	5.0	5.0	5.0	4.8	4.6	4.8	4.9	4.7	4.9	4.6	4.8	4.6	4.4	4.5	4.6	4.5	4.5	4.6	4.5	4.5	4.4	4.5	4.6	4.6
3	Anuppur	3.7	3.6	3.8	3.8	3.8	3.7	3.6	3.4	3.8	3.6	3.6	3.7	3.7	3.6	3.4	3.4	3.5	3.6	3.6	3.4	3.5	3.5	3.7	3.6	3.4	3.4	3.2	3.3	3.4	3.4
4	Ashoknagar	4.5	4.6	4.7	4.5	4.6	4.5	4.4	4.4	4.3	4.1	4.2	4.2	4.3	4.2	4.1	4.0	3.9	4.0	3.9	3.9	3.7	3.8	3.8	3.8	3.7	3.6	3.8	3.9	3.7	3.6
5	Balaghat	4.4	4.3	4.1	4.1	4.1	4.2	4.3	4.0	4.0	4.0	4.2	3.9	4.0	4.2	4.1	3.9	3.9	3.7	4.0	4.1	4.1	4.1	4.1	4.1	4.1	3.9	3.8	3.9	3.8	3.8
6	Barwani	5.2	5.3	5.2	5.0	5.1	5.1	5.2	4.9	4.8	4.7	4.7	4.7	4.7	4.8	4.8	4.6	4.7	4.3	4.4	4.4	4.6	4.5	4.6	4.5	4.4	4.3	4.4	4.4	4.5	4.4
7	Betul	4.5	4.4	4.4	4.4	4.4	4.6	4.5	4.2	4.3	4.1	4.1	4.1	4.2	4.3	4.2	4.0	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.1	4.1	3.9	4.0	3.9	3.9	3.8
8	Bhind	4.4	4.5	4.4	4.3	4.4	4.3	4.3	4.1	4.1	4.2	4.0	4.1	4.1	4.0	4.1	3.9	3.7	3.6	3.8	3.8	3.7	3.5	3.7	3.7	3.7	3.8	3.6	3.5	3.4	3.6
9	Bhopal	4.5	4.5	4.5	4.5	4.3	4.4	4.4	4.3	4.2	4.2	4.1	3.9	4.2	4.3	4.2	4.2	4.1	3.9	4.0	4.1	4.0	3.9	4.0	4.0	3.8	3.8	3.8	3.9	3.8	3.8
10	Burhanpur	4.6	4.5	4.6	4.3	4.4	4.3	4.6	4.4	4.4	4.2	4.2	4.3	4.2	4.2	4.3	4.2	4.1	3.9	3.9	3.9	4.2	4.0	4.1	4.3	4.2	4.1	4.0	3.9	4.0	4.0
11	Chhatarpur	4.5	4.4	4.5	4.5	4.5	4.4	4.4	4.4	4.1	4.2	4.2	4.2	4.3	4.3	4.2	4.0	4.1	3.7	4.0	3.9	4.0	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.7	3.6
12	Chhindwara	4.2	4.1	4.0	4.0	4.2	4.1	4.4	4.0	4.0	3.9	4.0	3.8	4.0	3.9	4.0	3.7	3.8	3.7	3.7	3.8	3.8	3.9	4.0	3.9	4.0	3.7	3.6	3.7	3.7	3.6
13	Damoh	4.4	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.0	4.1	4.0	3.9	4.1	4.1	4.1	3.9	3.8	3.7	3.9	3.8	3.9	3.8	3.9	3.7	3.7	3.8	3.7	3.8	3.6	3.5
14	Datia	4.6	4.5	4.6	4.5	4.6	4.4	4.3	4.2	4.2	4.2	4.2	4.1	4.2	4.1	4.2	4.1	3.9	3.9	3.9	4.0	3.8	3.6	3.7	3.8	3.8	3.8	3.7	3.5	3.4	3.6
15	Dewas	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.4	4.4	4.2	4.2	4.4	4.5	4.4	4.5	4.3	4.1	4.2	4.1	4.2	4.0	4.2	4.2	4.0	4.0	3.9	4.1	4.1	4.1
16	Dhar	5.2	5.2	5.1	5.0	5.2	5.2	5.1	4.9	4.8	4.8	4.8	4.7	4.7	4.9	4.9	4.6	4.7	4.4	4.5	4.5	4.7	4.5	4.7	4.4	4.4	4.4	4.6	4.6	4.6	4.6
17	Dindori	4.0	3.9	3.8	3.7	3.9	4.1	4.1	3.9	3.8	3.7	3.8	3.8	3.8	3.9	3.8	3.6	3.5	3.4	3.6	3.7	3.5	3.6	3.7	3.7	3.7	3.6	3.4	3.6	3.4	3.3
18	Guna	4.6	4.7	4.8	4.6	4.8	4.6	4.5	4.5	4.5	4.2	4.4	4.3	4.4	4.4	4.2	4.2	4.1	4.1	4.0	4.1	3.8	4.0	3.9	3.9	3.9	3.8	4.0	4.0	3.8	3.7
19	Gwalior	4.6	4.6	4.6	4.4	4.5	4.4	4.3	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.2	4.1	3.9	3.7	3.9	3.8	3.8	3.6	3.7	3.8	3.7	3.8	3.6	3.5	3.4	3.6
20	Harda	4.6	4.5	4.5	4.5	4.4	4.5	4.5	4.4	4.3	4.2	4.1	4.0	4.2	4.3	4.4	4.1	4.0	3.9	3.9	3.9	4.1	4.0	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.8
21	Hoshangabad	4.4	4.3	4.3	4.4	4.2	4.3	4.4	4.2	4.2	4.1	4.1	3.8	4.1	4.1	4.1	3.9	3.8	3.8	3.8	3.8	3.9	3.9	3.9	4.0	3.8	3.8	3.8	3.8	3.8	3.7
22	Indore	4.8	4.7	4.8	4.8	4.7	4.8	4.8	4.7	4.6	4.4	4.3	4.4	4.5	4.5	4.5	4.5	4.4	4.2	4.3	4.1	4.3	4.1	4.3	4.3	4.2	4.2	4.1	4.3	4.4	4.3
23	Jabalpur	4.1	4.1	4.0	4.1	4.1	4.2	4.2	4.0	4.0	3.8	3.9	3.9	3.9	3.9	3.9	3.7	3.5	3.5	3.6	3.7	3.6	3.6	3.7	3.6	3.5	3.5	3.5	3.6	3.4	3.3
24	Jhabua	5.3	5.3	5.2	5.1	5.2	5.2	5.1	4.9	4.9	4.9	4.8	4.7	4.8	4.9	4.8	4.6	4.7	4.4	4.4	4.5	4.6	4.5	4.7	4.4	4.4	4.5	4.6	4.5	4.6	4.6
25	Katni	4.2	4.2	4.0	4.1	4.1	4.2	4.3	3.9	3.9	3.8	4.0	4.0	4.0	4.0	3.8	3.8	3.6	3.6	3.9	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.5	3.5
26	Khandwa	4.8	4.7	4.7	4.5	4.6	4.4	4.7	4.7	4.6	4.4	4.2	4.3	4.4	4.4	4.5	4.4	4.2	4.1	4.0	4.1	4.2	4.1	4.2	4.3	4.2	4.1	4.1	4.0	4.0	4.0

Cont...

Daily ETo values of November for districts of Madhya Pradesh																															
S No	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
27	Khargone	4.7	4.9	4.7	4.5	4.7	4.7	4.7	4.5	4.5	4.4	4.4	4.4	4.3	4.5	4.5	4.3	4.3	4.0	4.1	4.2	4.2	4.3	4.3	4.2	4.1	4.1	4.0	4.1	4.2	4.2
28	Mandla	4.3	4.2	4.1	4.0	4.1	4.2	4.3	4.0	4.2	4.0	4.0	4.1	4.0	4.0	4.0	3.8	3.8	3.7	3.8	3.9	3.8	3.9	3.9	4.0	3.9	3.8	3.7	3.8	3.7	3.6
29	Mandsaur	5.0	5.2	5.2	5.1	5.1	5.2	4.9	4.9	4.9	4.5	4.6	4.7	4.8	4.8	4.7	4.6	4.5	4.5	4.3	4.4	4.3	4.3	4.4	4.3	4.3	4.4	4.5	4.5	4.4	4.4
30	Morena	4.5	4.6	4.5	4.4	4.4	4.4	4.4	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.1	4.0	3.7	3.6	3.8	3.8	3.7	3.6	3.6	3.7	3.7	3.7	3.6	3.5	3.4	3.5
31	Narsinghpur	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.0	4.0	3.8	3.9	3.9	4.0	3.9	3.9	3.7	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.6	3.4	3.3
32	Neemuch	4.9	5.1	5.0	5.0	5.0	4.9	4.8	4.8	4.6	4.5	4.8	4.5	4.6	4.6	4.5	4.5	4.5	4.3	4.2	4.4	4.2	4.3	4.3	4.2	4.4	4.4	4.4	4.4	4.2	4.4
33	Panna	4.4	4.3	4.4	4.3	4.4	4.3	4.3	4.2	4.0	4.1	4.1	4.2	4.1	4.3	4.0	3.8	4.0	3.6	3.8	3.8	3.9	3.6	3.8	3.8	3.8	3.9	3.7	3.8	3.6	3.5
34	Raisen	4.6	4.5	4.6	4.6	4.5	4.6	4.6	4.5	4.3	4.4	4.2	4.0	4.3	4.4	4.4	4.4	4.2	4.1	4.1	4.2	4.1	4.0	4.2	4.2	4.0	4.0	4.0	4.0	3.9	3.9
35	Rajgarh	4.8	4.9	4.8	4.8	4.7	4.9	4.8	4.7	4.7	4.4	4.4	4.4	4.5	4.5	4.4	4.5	4.2	4.3	4.2	4.3	4.2	4.2	4.2	4.1	4.0	4.1	4.2	4.2	4.1	3.9
36	Ratlam	5.5	5.6	5.6	5.5	5.5	5.6	5.3	5.3	5.2	5.0	5.0	5.1	5.2	5.2	5.2	5.1	5.1	5.0	4.7	4.9	4.7	4.8	4.8	4.8	4.7	4.8	4.8	4.9	4.9	4.8
37	Rewa	4.4	4.3	4.3	4.2	4.3	4.3	4.4	4.1	3.9	4.0	4.1	4.3	4.1	4.2	4.0	4.0	4.0	3.8	3.9	3.9	3.9	3.7	3.9	3.8	3.9	3.9	3.8	3.9	3.7	3.5
38	Sagar	4.3	4.3	4.3	4.2	4.3	4.3	4.2	4.2	3.9	4.0	3.9	3.8	4.1	4.0	4.0	3.9	3.7	3.7	3.8	3.7	3.8	3.6	3.8	3.7	3.5	3.6	3.6	3.8	3.5	3.4
39	Satna	4.3	4.4	4.2	4.3	4.2	4.3	4.3	4.0	4.1	3.9	4.2	4.2	4.2	4.0	4.1	4.0	3.8	3.8	4.0	3.9	3.9	3.8	3.9	3.8	3.9	3.9	3.8	3.8	3.5	3.6
40	Seoni	4.3	4.1	4.0	4.1	4.2	4.3	4.2	4.0	4.3	3.9	4.0	4.0	3.8	4.1	4.1	3.9	3.8	3.9	4.0	4.0	4.0	4.0	4.2	4.0	3.9	3.7	3.8	3.8	3.8	3.9
41	Shahdol	4.0	3.8	3.8	3.8	3.9	3.9	4.0	3.9	3.8	3.7	3.8	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.4	3.6	3.5	3.4	3.5	3.4	3.5	3.5	3.4	3.5	3.4	3.3
42	Shajapur	5.1	4.9	5.0	5.0	4.8	5.0	4.9	4.8	4.7	4.5	4.4	4.5	4.6	4.6	4.6	4.6	4.4	4.4	4.3	4.4	4.3	4.3	4.4	4.4	4.2	4.2	4.2	4.2	4.2	4.1
43	Sehore	4.5	4.4	4.4	4.5	4.4	4.5	4.5	4.4	4.1	4.1	4.0	3.9	4.2	4.2	4.1	4.2	4.0	3.9	4.0	4.0	3.9	3.7	4.1	3.9	3.8	3.7	3.7	3.8	3.7	3.7
44	Seopur	4.8	5.0	4.8	4.6	4.6	4.6	4.5	4.6	4.4	4.3	4.2	4.2	4.2	4.4	4.2	4.2	4.0	3.8	3.9	3.9	4.0	3.9	3.8	3.9	3.8	3.8	3.9	3.8	3.8	3.7
45	Shivpuri	5.0	5.1	5.0	4.8	4.9	4.7	4.6	4.5	4.4	4.4	4.5	4.4	4.4	4.5	4.4	4.4	4.2	4.1	4.1	4.2	4.0	4.1	4.0	4.1	4.0	3.9	4.0	4.0	3.8	3.7
46	Sidhi	4.3	4.3	4.1	4.3	4.1	4.2	4.2	4.0	3.7	4.0	4.1	4.1	4.0	4.0	4.0	3.9	3.7	3.8	3.8	3.9	3.8	3.7	3.7	3.7	3.7	3.9	3.8	3.7	3.4	3.5
47	Singrauli	4.1	4.0	4.0	3.9	4.1	4.0	4.1	3.8	3.8	3.7	3.9	4.0	3.8	4.0	3.9	3.8	3.7	3.6	3.6	3.7	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.4	3.3
48	Tikamgarh	4.5	4.5	4.4	4.6	4.5	4.4	4.4	4.3	4.0	4.2	4.2	4.2	4.2	4.1	4.1	3.9	3.9	3.8	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.6	3.7	3.6	3.5	3.6
49	Ujjain	5.4	5.3	5.3	5.3	5.2	5.4	5.1	5.1	5.0	4.8	4.8	4.8	5.0	5.0	4.9	4.9	4.9	4.7	4.6	4.7	4.6	4.5	4.6	4.6	4.5	4.5	4.5	4.6	4.6	4.5
50	Umaria	4.1	4.0	4.0	3.9	4.0	4.1	4.2	4.0	3.9	3.8	3.8	3.9	3.9	3.9	3.9	3.6	3.6	3.3	3.6	3.7	3.5	3.5	3.7	3.5	3.6	3.6	3.5	3.6	3.5	3.3
51	Vidisha	4.6	4.6	4.5	4.5	4.4	4.5	4.5	4.4	4.3	4.3	4.2	4.0	4.3	4.3	4.2	4.2	4.0	4.0	4.0	4.1	4.0	3.9	4.0	3.9	3.8	3.8	3.9	3.9	3.8	3.8

Table 1.12: Daily ET_o values of December for districts of Madhya Pradesh

Daily ETo values of December for districts of Madhya Pradesh																																		
S No	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
1	Agar Malwa	4.4	4.4	4.4	4.4	4.3	4.4	4.2	4.3	4.5	4.4	4.4	4.2	4.2	4.2	4.3	4.3	4.2	4.2	4.4	4.4	4.2	4.2	4.2	4.1	4.1	4.0	4.3	4.1	4.1	4.0	4.1		
2	Alirajpur	4.6	4.6	4.7	4.6	4.5	4.5	4.4	4.4	4.6	4.5	4.4	4.5	4.4	4.4	4.5	4.5	4.4	4.5	4.5	4.4	4.4	4.3	4.4	4.4	4.2	4.4	4.5	4.4	4.4	4.3	4.3		
3	Anuppur	3.2	3.4	3.4	3.5	3.4	3.2	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.3	3.2	3.2	3.1	3.2	3.2	3.0	3.0	3.1	3.1	3.0	2.8	3.0	3.0	2.9	2.9	3.0	3.0		
4	Ashoknagar	3.7	3.7	3.7	3.7	3.6	3.7	3.5	3.6	3.6	3.7	3.7	3.5	3.3	3.6	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.5	3.3	3.4	3.4	3.3	3.4	3.4	3.4	3.4	3.3		
5	Balaghat	3.9	4.0	3.9	4.1	3.9	4.0	3.8	3.8	3.7	3.8	3.8	4.0	3.8	3.9	4.0	3.6	3.7	3.8	3.6	3.6	3.6	3.8	3.7	3.4	3.5	3.6	3.5	3.6	3.5	3.5	3.4		
6	Barwani	4.5	4.5	4.6	4.6	4.4	4.3	4.4	4.5	4.5	4.4	4.3	4.4	4.4	4.4	4.4	4.3	4.4	4.5	4.4	4.3	4.4	4.3	4.3	4.4	4.2	4.5	4.5	4.4	4.4	4.3	4.4		
7	Betul	3.9	4.1	4.0	4.0	3.9	3.9	4.0	4.0	4.0	3.9	4.0	3.9	3.9	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.9	3.9	3.6	3.7	3.5	3.7	3.9	3.8	3.6	3.8	3.7		
8	Bhind	3.5	3.4	3.2	3.5	3.5	3.3	3.2	3.4	3.3	3.3	3.4	3.2	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1	3.1	2.9	2.8	2.9	3.0	3.0	3.0	3.0	2.9	3.0		
9	Bhopal	3.9	3.9	3.9	3.9	3.8	3.9	3.8	3.7	3.7	3.8	3.9	3.8	3.6	3.7	3.7	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.5	3.6	3.6	3.5	3.6	3.6	3.7	3.5	3.5		
10	Burhanpur	4.1	4.1	4.1	4.2	4.0	4.1	4.2	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.0	3.9	3.9	4.0	4.0	3.9	3.9	3.9	3.9	3.8	3.9	4.0	4.0	4.1	3.8	3.9		
11	Chhatarpur	3.6	3.6	3.5	3.7	3.6	3.8	3.7	3.6	3.5	3.7	3.8	3.6	3.4	3.7	3.6	3.5	3.4	3.5	3.6	3.6	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.5	3.6	3.4	3.2		
12	Chhindwara	3.8	3.7	3.6	3.9	3.8	3.7	3.7	3.7	3.6	3.8	3.8	3.8	3.7	3.8	3.7	3.6	3.6	3.8	3.6	3.6	3.5	3.7	3.6	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.3		
13	Damoh	3.6	3.6	3.6	3.6	3.5	3.6	3.7	3.5	3.4	3.5	3.6	3.5	3.4	3.4	3.4	3.4	3.3	3.4	3.5	3.4	3.4	3.4	3.3	3.4	3.2	3.1	3.2	3.3	3.4	3.2	3.2		
14	Datia	3.6	3.5	3.3	3.6	3.6	3.5	3.4	3.5	3.4	3.4	3.5	3.3	3.3	3.5	3.4	3.3	3.2	3.3	3.3	3.4	3.2	3.1	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.1	3.0		
15	Dewas	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	3.9	3.9	3.9	3.9	3.8	3.8	4.0	4.0	3.9	4.0	3.9	3.8	3.8	3.6	3.9	3.8	3.8	3.7	3.8		
16	Dhar	4.5	4.6	4.7	4.6	4.4	4.4	4.5	4.6	4.6	4.5	4.6	4.5	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.4	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.3	4.2	4.3	4.4		
17	Dindori	3.5	3.5	3.4	3.5	3.5	3.5	3.4	3.3	3.3	3.4	3.5	3.4	3.3	3.3	3.4	3.3	3.2	3.3	3.2	3.3	3.3	3.3	3.3	3.2	3.3	3.2	3.1	3.2	3.3	3.2	3.1		
18	Guna	3.9	3.9	3.9	3.9	3.7	3.8	3.7	3.8	3.9	3.8	3.9	3.7	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.6	3.5	3.6	3.6	3.6	3.7	3.7	3.6	3.6	3.5		
19	Gwalior	3.5	3.5	3.3	3.6	3.5	3.4	3.4	3.5	3.4	3.4	3.5	3.3	3.3	3.4	3.4	3.2	3.2	3.3	3.3	3.4	3.2	3.0	3.0	2.9	3.0	3.1	3.1	3.2	3.1	3.0	3.0		
20	Harda	4.0	4.0	3.9	4.0	3.9	3.9	4.0	3.8	3.9	3.8	3.9	3.8	3.8	3.8	3.9	3.8	3.8	3.6	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.5	3.7	3.6	3.7	3.6	3.7		
21	Hoshangabad	3.9	3.9	3.8	3.9	3.8	3.7	3.7	3.6	3.7	3.7	3.7	3.7	3.6	3.6	3.7	3.6	3.6	3.5	3.6	3.7	3.7	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.6	3.4	3.4		
22	Indore	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.2	4.0	4.1	4.1	4.1	4.0	4.0	4.1	4.1	4.0	4.2	4.0	4.0	4.0	3.8	4.0	4.0	4.0	3.8	4.0		
23	Jabalpur	3.5	3.4	3.5	3.5	3.4	3.3	3.4	3.3	3.2	3.3	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.2	3.2	3.2	3.3	3.2	3.2	3.1	3.1	2.9	3.2	3.0	3.2	3.0	3.0		
24	Jhabua	4.6	4.6	4.7	4.6	4.4	4.4	4.4	4.6	4.5	4.4	4.5	4.5	4.4	4.4	4.5	4.5	4.4	4.5	4.5	4.3	4.3	4.3	4.2	4.3	4.3	4.4	4.4	4.3	4.2	4.4	4.3		
25	Katni	3.5	3.4	3.4	3.5	3.5	3.5	3.5	3.3	3.3	3.4	3.5	3.4	3.4	3.4	3.4	3.3	3.2	3.4	3.3	3.4	3.3	3.3	3.4	3.3	3.1	3.2	3.3	3.3	3.3	3.1	3.3		
26	Khandwa	4.1	4.1	4.1	4.2	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.0	4.0	4.1	4.1	4.1	3.9	3.9	4.0	4.0	3.9	3.9	3.9	4.0	3.9	3.8	4.0	4.0	3.9	3.8	3.9		

Cont...

Daily ETo values of December for districts of Madhya Pradesh																																
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	Khargone	4.3	4.3	4.4	4.3	4.1	4.2	4.2	4.3	4.2	4.3	4.1	4.1	4.2	4.2	4.2	4.0	4.1	4.3	4.3	4.1	4.1	4.1	4.2	4.2	4.1	4.3	4.3	4.2	4.1	4.1	4.2
28	Mandla	3.8	3.8	3.7	3.9	3.8	3.8	3.8	3.7	3.6	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.5	3.6	3.6	3.5	3.6	3.6	3.6	3.5	3.6	3.5	3.4	3.5	3.5	3.5	3.4
29	Mandsaur	4.4	4.5	4.4	4.3	4.4	4.3	4.3	4.2	4.3	4.5	4.4	4.2	4.3	4.1	4.2	4.4	4.3	4.1	4.4	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.0	4.0	4.1	4.2
30	Morena	3.4	3.4	3.3	3.5	3.4	3.3	3.3	3.4	3.3	3.3	3.4	3.2	3.2	3.3	3.3	3.2	3.1	3.2	3.2	3.3	3.0	3.0	2.9	2.8	2.9	3.1	3.0	3.1	3.0	2.9	3.0
31	Narsinghpur	3.5	3.4	3.5	3.5	3.4	3.3	3.4	3.3	3.2	3.3	3.4	3.3	3.3	3.4	3.3	3.2	3.1	3.2	3.3	3.3	3.3	3.2	3.2	3.1	3.2	3.1	3.3	3.2	3.3	3.2	3.1
32	Neemuch	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.2	4.3	4.3	4.2	4.1	4.1	4.1	4.0	4.4	4.2	4.0	4.4	4.2	4.1	4.1	4.1	4.0	4.1	4.0	4.1	3.9	3.9	4.1	4.3
33	Panna	3.5	3.5	3.4	3.6	3.6	3.7	3.6	3.5	3.4	3.6	3.7	3.6	3.4	3.6	3.6	3.4	3.2	3.4	3.6	3.5	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.3	3.5	3.3	3.2
34	Raisen	4.0	4.0	4.0	4.1	3.9	4.1	4.0	3.9	3.9	4.0	4.0	3.9	3.8	3.9	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.7	3.7	3.7	3.6	3.8	3.7	3.9	3.7	3.7
35	Rajgarh	4.2	4.2	4.2	4.2	4.1	4.2	3.9	4.1	4.1	4.1	4.1	4.0	4.1	3.9	4.1	4.0	4.0	4.0	4.2	4.1	4.0	3.9	4.0	3.9	3.9	4.0	4.1	3.9	4.0	4.0	3.8
36	Ratlam	4.8	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.8	4.9	4.8	4.7	4.6	4.5	4.7	4.8	4.7	4.6	4.7	4.8	4.6	4.6	4.5	4.5	4.5	4.4	4.5	4.4	4.4	4.3	4.5
37	Rewa	3.6	3.5	3.5	3.6	3.7	3.7	3.6	3.5	3.4	3.5	3.7	3.6	3.5	3.5	3.6	3.4	3.2	3.5	3.5	3.5	3.4	3.3	3.3	3.3	3.3	3.2	3.3	3.3	3.4	3.3	3.3
38	Sagar	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.5	3.3	3.4	3.5	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.0	3.2	3.2	3.3	3.1	3.1
39	Satna	3.5	3.6	3.4	3.6	3.7	3.7	3.7	3.4	3.5	3.6	3.8	3.5	3.5	3.6	3.5	3.3	3.4	3.5	3.5	3.4	3.4	3.3	3.3	3.4	3.2	3.3	3.2	3.4	3.3	3.2	3.3
40	Seoni	4.0	3.8	3.9	4.0	4.0	3.9	3.9	3.7	3.8	3.9	3.9	3.9	3.8	3.9	3.7	3.6	3.8	3.9	3.6	3.6	3.7	3.8	3.6	3.5	3.4	3.5	3.5	3.5	3.3	3.4	3.6
41	Shahdol	3.3	3.3	3.2	3.3	3.2	3.3	3.3	3.3	3.2	3.3	3.4	3.3	3.2	3.3	3.3	3.2	3.0	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.0	3.2	3.2	3.2	3.1	3.1
42	Shajapur	4.3	4.3	4.3	4.3	4.2	4.3	4.1	4.2	4.3	4.3	4.2	4.1	4.1	4.1	4.2	4.2	4.1	4.1	4.3	4.2	4.1	4.1	4.1	4.0	4.1	3.9	4.2	4.0	4.0	3.9	4.0
43	Sehore	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.7	3.7	3.8	3.8	3.7	3.6	3.6	3.5	3.5	3.6	3.6	3.6	3.7	3.6	3.6	3.4	3.6	3.4	3.4	3.5	3.5	3.7	3.4	3.5
44	Seopur	3.8	3.8	3.7	3.7	3.7	3.5	3.7	3.7	3.6	3.7	3.6	3.6	3.5	3.6	3.4	3.6	3.5	3.7	3.7	3.5	3.6	3.6	3.5	3.5	3.5	3.7	3.5	3.5	3.4	3.4	3.4
45	Shivpuri	3.9	3.9	3.8	3.8	3.7	3.7	3.8	3.8	3.8	3.7	3.8	3.6	3.5	3.6	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.4	3.5	3.5	3.5	3.6	3.5	3.7	3.5	3.5	3.4
46	Sidhi	3.5	3.5	3.4	3.5	3.6	3.5	3.5	3.3	3.3	3.4	3.5	3.5	3.5	3.4	3.4	3.2	3.3	3.3	3.4	3.4	3.4	3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.2	3.1	3.4
47	Singrauli	3.5	3.3	3.2	3.4	3.4	3.4	3.3	3.2	3.2	3.2	3.4	3.3	3.3	3.3	3.4	3.2	3.0	3.2	3.2	3.3	3.3	3.1	3.0	3.0	3.1	3.0	3.1	3.1	3.1	3.1	3.1
48	Tikamgarh	3.5	3.7	3.4	3.5	3.6	3.7	3.5	3.5	3.5	3.6	3.6	3.5	3.3	3.6	3.4	3.4	3.4	3.4	3.5	3.4	3.2	3.3	3.2	3.2	3.1	3.1	3.4	3.4	3.3	3.2	3.3
49	Ujjain	4.6	4.6	4.6	4.6	4.5	4.6	4.5	4.5	4.6	4.6	4.6	4.5	4.4	4.4	4.5	4.5	4.4	4.4	4.5	4.6	4.4	4.4	4.3	4.3	4.3	4.2	4.4	4.2	4.2	4.1	4.2
50	Umaria	3.4	3.3	3.4	3.4	3.4	3.3	3.4	3.2	3.2	3.3	3.4	3.3	3.2	3.2	3.2	3.3	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.0	3.2	3.2	3.2	3.1	3.0
51	Vidisha	3.9	3.8	3.8	3.8	3.7	3.8	3.8	3.7	3.6	3.7	3.8	3.7	3.5	3.6	3.6	3.5	3.5	3.6	3.6	3.7	3.7	3.6	3.4	3.5	3.4	3.4	3.5	3.5	3.6	3.4	3.4

Standard Meteorological Week wise Reference Evapotranspiration (ET_o) values for districts of Madhya Pradesh

Table 2.1: Weekly ET_o values for different districts of Madhya Pradesh

Weekly ETo values of for districts of Madhya Pradesh																											
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	Agar Malwa	29.2	29.1	31.9	33.5	35.6	38.3	40.6	44.4	54.4	50.1	52.9	58.3	58.5	62.1	65.9	69.1	71.7	75.2	76.3	80.4	79.8	74.6	70.1	61.0	57.0	47.2
2	Alirajpur	31.1	31.0	33.1	34.8	36.5	39.0	40.8	43.0	53.2	48.1	50.6	54.6	55.8	57.5	60.8	62.7	65.6	67.7	68.6	70.6	71.2	66.5	61.4	51.0	45.4	38.0
3	Anuppur	21.3	23.0	25.1	26.2	27.6	29.3	32.9	36.4	45.9	41.1	45.4	48.4	50.3	51.5	54.6	56.1	56.5	57.3	55.8	57.1	58.8	53.6	50.1	42.7	35.5	32.1
4	Ashoknagar	24.2	24.5	26.5	28.5	30.0	33.0	35.5	39.3	49.5	45.6	49.6	54.1	55.5	58.7	61.1	64.3	66.6	68.5	70.1	72.9	73.2	69.0	65.3	57.4	52.4	45.2
5	Balaghat	25.7	26.0	28.3	30.3	32.5	34.8	36.9	41.6	51.3	45.4	48.2	52.7	54.1	55.8	57.3	58.8	60.5	62.1	60.7	61.8	61.4	58.7	54.7	45.7	37.2	31.7
6	Barwani	30.5	30.7	32.7	34.6	36.2	39.3	41.7	44.0	54.4	49.5	52.2	57.3	58.4	61.4	65.1	67.7	71.1	73.1	73.7	75.8	76.1	70.2	64.4	52.8	47.1	40.5
7	Betul	25.4	26.0	28.1	29.8	32.4	34.5	36.7	40.8	50.0	44.8	46.4	51.0	52.9	54.6	56.5	59.1	60.6	62.4	63.4	65.6	65.8	61.4	55.8	46.6	37.9	31.0
8	Bhind	20.9	21.4	23.6	26.0	27.2	30.4	33.0	37.6	48.5	44.9	48.6	53.8	55.4	59.2	61.5	65.1	67.8	70.1	70.8	73.1	73.5	72.9	71.0	64.9	60.9	54.5
9	Bhopal	25.1	25.4	28.0	29.6	32.4	35.0	38.0	41.6	51.6	47.0	49.8	54.9	56.0	58.6	60.6	63.1	64.9	67.4	67.4	69.8	69.9	66.0	60.5	50.7	44.3	36.4
10	Burhanpur	27.8	28.1	30.6	32.3	34.2	36.9	39.0	41.3	50.7	45.8	47.4	52.1	53.0	56.1	58.8	60.8	62.7	64.8	67.3	70.0	69.0	65.7	58.6	48.4	42.0	34.8
11	Chhatarpur	23.8	24.2	26.7	28.3	29.6	32.8	36.1	39.5	50.6	47.5	51.1	56.3	57.3	60.2	62.9	65.9	67.5	69.7	70.8	70.9	73.1	69.8	66.7	60.8	53.0	46.6
12	Chhindwara	24.5	25.2	27.9	28.5	31.6	33.8	36.1	40.7	50.5	44.5	46.4	52.0	53.2	54.5	57.2	60.1	60.8	62.9	63.9	65.1	65.3	60.8	53.4	45.1	36.9	29.7
13	Damoh	23.1	23.8	26.2	27.3	29.1	31.9	34.0	37.6	47.7	43.6	47.1	51.0	52.3	54.8	56.5	59.1	60.3	62.7	63.2	63.4	65.6	62.0	59.4	53.6	46.2	39.8
14	Datia	21.7	22.0	24.1	26.1	27.4	31.2	33.6	37.6	48.6	45.1	49.0	54.9	56.2	60.0	62.8	66.6	69.9	71.8	73.6	75.3	77.0	74.3	71.8	64.1	60.5	53.6
15	Dewas	27.0	27.1	30.0	31.3	33.6	36.5	39.1	42.5	52.4	48.0	50.6	55.7	56.7	59.6	62.6	65.5	67.8	69.9	70.1	73.1	71.8	67.0	60.2	50.6	44.5	36.0
16	Dhar	30.6	31.0	33.6	35.7	37.3	40.6	42.6	45.5	56.2	51.5	53.9	58.0	58.8	62.3	64.5	67.5	70.0	71.6	71.3	74.2	73.2	67.7	61.5	50.6	44.6	36.5
17	Dindori	22.6	22.9	25.3	26.6	28.2	31.0	33.2	37.1	45.6	42.1	44.9	48.9	50.7	52.6	55.6	57.4	59.0	59.6	59.3	59.9	59.8	57.9	53.8	46.0	36.5	30.9
18	Guna	25.6	25.9	28.0	30.3	31.8	34.7	37.3	41.3	51.6	47.5	51.4	56.1	57.3	60.9	63.2	66.1	69.0	70.8	72.2	75.5	75.4	71.1	67.1	58.3	53.2	45.2
19	Gwalior	21.6	22.0	24.1	26.4	27.4	31.0	33.4	37.4	48.4	44.8	48.5	54.3	55.4	59.1	61.9	65.7	69.0	71.3	73.7	75.7	76.6	74.6	72.6	65.9	62.6	55.3
20	Harda	25.6	26.4	28.2	30.2	32.3	34.8	36.9	39.9	48.6	44.8	46.5	50.6	51.9	54.8	56.7	59.0	60.5	63.4	64.5	66.6	67.3	65.0	61.3	54.2	46.2	38.6
21	Hoshangabad	24.5	25.0	26.6	28.4	30.6	33.0	35.2	38.2	47.3	43.3	45.2	49.7	50.3	53.4	55.4	57.2	59.3	61.9	62.9	65.3	65.8	63.7	60.8	53.7	45.7	38.3
22	Indore	28.4	28.5	31.6	33.1	35.2	38.7	40.9	44.1	54.2	49.8	52.1	57.0	57.5	60.7	63.5	66.2	68.2	70.3	70.4	73.4	71.7	66.6	60.2	50.0	44.0	35.6
23	Jabalpur	21.8	22.6	24.5	25.4	27.5	30.1	32.8	36.2	45.5	41.8	45.0	48.9	50.4	52.8	55.8	58.1	59.7	62.4	62.6	63.3	65.0	62.2	59.4	52.0	43.4	36.6
24	Jhabua	30.8	30.8	33.0	34.8	36.1	39.0	40.5	42.8	52.7	48.1	50.3	53.7	54.9	57.3	59.7	62.1	64.9	66.8	67.4	69.8	70.1	65.2	60.1	50.0	44.2	36.7
25	Katni	22.8	23.8	26.3	27.5	28.8	31.6	34.5	37.9	47.9	44.2	47.4	51.2	53.0	55.2	57.3	59.5	60.7	62.8	62.1	62.8	64.1	61.0	58.9	51.7	44.1	38.2
26	Khandwa	27.5	28.0	30.1	32.0	34.0	36.7	38.9	41.4	51.0	46.1	48.0	52.5	54.1	56.8	59.4	61.6	64.1	66.2	68.5	71.0	70.3	67.1	60.4	50.6	43.9	36.5

*SMW (1-17): Jan 1-7, 8-14, 15-21, 22-28, 29- Feb 4, 5-11, 12-18, 19-25, 26- Mar 4, 5-11, 12-18, 19-25, 26- Apr 1, 2-8, 9-15, 16-22, 23-29

SMW (18-34): 30- May 6, 7-13, 14-20, 21-27, 28- Jun 3, 4-10, 11-17, 18-24, 25-Jul 1, 2-8, 9-15, 16-22, 23-29, 30- Aug 5, 6-12, 13-19, 20-26

SMW (35-52): 27- Sep 2, 3-9, 10-16, 17-23, 24-30, Oct 1-7, 8-14, 15-21, 22-28, 29- Nov 4, 5-11, 12-18, 19-25, 26- Dec 2, 3-9, 10-16, 17-23, 24-31.

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Weekly ETo values of for districts of Madhya Pradesh																											
S No.	Districts	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
1	Agar Malwa	39.5	35.6	32.5	29.4	27.6	23.9	24.8	26.6	27.9	28.3	32.6	33.6	35.2	36.1	36.3	36.6	35.6	35.5	33.9	32.6	30.7	30.2	30.5	30.0	29.8	28.7
2	Alirajpur	32.5	28.5	24.8	22.3	21.0	19.1	20.3	22.0	24.1	26.8	30.9	32.1	33.0	35.1	34.6	35.8	36.0	36.1	34.5	33.3	31.6	31.8	31.7	31.3	31.0	34.9
3	Anuppur	29.9	28.8	28.6	26.3	25.6	25.0	26.2	26.3	26.2	26.7	27.4	28.6	31.3	29.5	30.2	28.2	27.6	26.1	25.7	24.8	24.7	23.2	23.0	23.1	21.9	23.6
4	Ashoknagar	38.3	34.9	32.0	29.6	28.4	24.4	26.2	27.1	28.5	28.7	30.4	31.3	34.8	35.4	36.1	34.9	32.9	32.5	30.5	28.8	26.7	25.9	25.4	24.8	24.6	27.1
5	Balaghat	29.7	27.9	28.0	24.2	24.0	21.4	23.2	23.6	25.4	25.2	27.6	30.6	32.7	32.0	31.5	30.5	30.5	29.5	28.9	27.7	28.6	27.2	27.2	26.9	25.7	28.1
6	Barwani	34.8	32.0	28.8	25.2	23.7	21.8	23.1	23.9	26.2	28.4	32.8	33.8	34.5	36.0	35.2	35.9	36.3	35.9	34.4	32.5	31.6	31.0	31.3	30.7	30.6	35.0
7	Betul	27.1	23.4	21.9	18.7	17.4	15.5	15.5	18.6	19.1	21.6	25.5	27.3	30.3	30.6	30.9	30.1	30.5	30.8	30.4	28.7	28.8	27.5	27.8	27.6	26.7	29.7
8	Bhind	49.5	42.3	40.4	38.8	38.4	35.1	34.6	35.8	37.8	36.2	35.0	36.1	38.1	37.5	37.3	35.0	33.2	31.4	29.4	27.5	26.0	24.8	23.6	22.9	21.7	23.5
9	Bhopal	30.6	27.0	25.1	21.3	20.7	18.0	19.1	20.1	22.0	22.3	26.0	28.4	31.7	32.5	32.4	32.7	30.8	31.5	30.0	28.8	27.8	26.9	26.7	26.1	25.7	28.5
10	Burhanpur	29.9	27.4	24.8	22.1	20.4	17.6	19.4	20.3	21.2	23.2	27.9	27.9	30.1	31.2	31.4	31.3	31.9	31.7	30.5	29.2	28.5	28.1	28.7	28.3	27.5	31.4
11	Chhatarpur	42.4	37.8	35.9	32.7	33.2	30.8	30.0	31.2	31.4	30.4	30.4	32.0	35.3	34.6	35.5	34.1	32.3	31.8	30.3	28.8	27.2	26.0	25.5	25.3	24.2	27.0
12	Chhindwara	27.4	25.2	23.9	20.6	19.2	16.6	18.5	20.2	21.8	23.0	25.9	27.7	30.5	29.4	30.0	28.6	29.3	28.6	28.4	26.9	27.1	25.8	26.1	26.2	25.3	27.4
13	Damoh	34.4	31.4	30.5	26.7	27.4	24.5	25.3	25.8	27.1	26.9	27.3	30.0	33.2	32.9	33.0	31.9	30.8	30.5	29.4	27.7	26.6	25.7	24.9	24.4	23.8	26.0
14	Datia	48.1	42.1	39.1	37.4	36.9	32.9	34.4	34.9	36.7	35.8	35.0	35.9	39.6	38.2	38.3	36.0	34.4	32.7	30.1	28.5	26.6	25.1	24.2	23.7	22.5	24.7
15	Dewas	30.2	25.9	25.1	20.9	20.0	17.1	18.4	20.6	22.6	22.8	28.6	29.9	32.1	34.1	33.2	33.9	32.7	32.8	31.7	30.3	28.9	28.4	28.3	27.8	27.3	30.2
16	Dhar	30.6	27.3	24.6	20.6	19.5	17.3	18.5	19.8	22.5	23.5	28.6	29.9	32.0	34.1	33.1	35.1	35.1	35.5	34.8	33.0	31.7	31.9	31.7	31.3	30.8	34.3
17	Dindori	28.3	25.6	26.2	22.3	22.4	20.3	21.8	22.2	23.2	22.9	24.4	27.5	29.4	29.2	30.0	28.3	28.8	27.3	27.4	25.9	25.4	24.3	23.8	23.6	22.8	25.5
18	Guna	38.2	34.3	30.9	28.6	27.4	23.2	24.5	25.7	27.5	27.6	29.7	30.8	34.1	35.2	36.0	35.5	33.4	33.2	31.5	29.7	27.7	27.1	26.6	26.1	25.9	28.9
19	Gwalior	49.6	42.6	39.9	38.1	37.8	33.8	34.4	34.9	37.5	36.5	35.6	36.1	39.2	38.1	38.1	35.8	34.2	32.6	29.8	28.2	26.4	25.0	24.0	23.6	22.3	24.5
20	Harda	34.6	30.2	29.0	24.8	23.6	20.7	22.0	23.3	24.2	25.5	29.7	30.6	32.1	32.8	32.3	31.4	31.2	31.5	30.4	28.8	28.1	27.5	27.4	26.9	26.4	29.2
21	Hoshangabad	34.3	30.8	28.4	24.5	24.0	20.8	21.6	22.6	23.9	24.8	28.6	29.9	32.3	32.2	32.0	30.7	30.2	30.4	29.5	27.6	27.2	26.6	26.1	25.7	25.3	27.9
22	Indore	30.4	26.5	25.0	20.7	19.6	16.5	18.1	19.8	22.0	22.3	27.9	29.0	31.1	33.1	32.2	33.1	32.6	33.1	32.3	30.9	29.6	29.6	29.5	29.2	28.4	31.7
23	Jabalpur	33.1	29.7	29.6	25.0	25.3	22.3	23.3	23.9	25.1	24.9	26.4	28.6	31.7	31.4	32.0	30.3	29.8	28.6	28.2	26.4	25.3	24.2	23.5	22.9	22.4	24.5
24	Jhabua	30.7	26.6	23.5	20.6	19.5	17.8	18.7	20.2	23.3	25.0	29.9	30.8	32.2	34.2	33.4	35.6	35.7	36.0	34.8	33.1	31.6	31.8	31.7	31.1	30.6	34.5
25	Katni	34.9	31.9	31.2	27.4	27.8	26.2	25.9	26.7	27.1	26.7	27.3	29.7	32.3	31.4	32.6	30.4	30.2	29.1	28.2	26.7	26.2	25.0	24.0	23.9	23.4	25.9
26	Khandwa	31.4	28.4	25.9	22.4	21.2	18.5	20.0	21.0	22.3	24.0	28.9	29.1	31.4	32.8	32.7	32.2	32.8	32.8	31.7	30.3	29.2	28.4	29.1	28.5	27.6	31.2

Table 2.2: Weekly ET_o values for different districts of Madhya Pradesh

Weekly ETo values of for districts of Madhya Pradesh																											
S No.	Districts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	Khargone	29.3	29.4	31.4	33.4	35.0	38.3	40.8	43.0	53.1	48.8	51.0	56.7	57.6	61.1	64.6	67.6	70.6	72.7	73.7	75.6	75.0	68.4	61.4	49.1	42.8	36.2
2	Mandla	24.8	25.2	27.2	28.8	30.5	32.9	35.0	39.0	47.7	43.6	46.0	49.9	51.5	53.5	55.5	57.7	59.2	60.8	60.9	62.0	62.4	61.2	57.3	49.6	39.9	33.6
3	Mandsaur	29.9	29.7	32.2	33.6	36.0	38.8	40.5	44.6	54.9	49.6	53.5	57.8	58.2	61.8	65.1	68.3	70.9	74.4	75.9	80.3	80.5	75.0	71.0	61.7	58.6	48.2
4	Morena	21.3	21.5	23.7	26.0	26.9	30.2	32.6	36.8	47.1	43.9	47.4	52.8	54.0	57.9	60.5	64.2	67.1	69.7	72.1	74.2	74.9	73.5	72.0	66.2	63.1	56.3
5	Narsinghpur	22.5	23.1	25.0	26.0	28.5	31.0	33.5	37.1	46.1	42.6	45.3	50.1	51.1	53.7	57.2	59.8	61.7	64.2	65.1	66.4	67.5	64.5	61.3	54.4	46.0	38.6
6	Neemuch	29.1	29.4	31.6	33.4	35.6	38.5	40.3	44.2	54.1	49.6	53.3	57.0	57.9	61.8	64.1	67.7	70.3	73.5	74.4	78.9	79.8	74.0	70.1	61.1	59.1	48.7
7	Panna	23.2	23.7	26.4	28.2	29.4	32.4	36.1	39.5	50.8	47.7	51.8	56.7	57.7	60.8	64.1	67.5	68.4	70.1	71.2	71.7	73.8	70.7	67.5	61.2	52.5	46.9
8	Raisen	26.1	26.4	28.9	30.6	33.4	36.0	39.2	42.8	52.9	48.1	50.8	56.5	57.5	60.0	62.6	65.3	67.4	69.7	69.7	72.3	72.1	67.7	61.5	51.7	45.2	37.2
9	Rajgarh	27.5	27.6	30.0	32.2	34.0	36.5	39.2	43.1	52.5	48.3	51.1	57.0	56.6	60.2	63.8	66.6	69.6	72.6	74.1	77.4	77.9	72.9	69.3	59.3	56.4	46.7
10	Ratlam	32.2	32.2	34.7	36.2	38.5	41.0	42.7	45.6	56.0	50.9	53.4	57.2	58.2	60.7	62.8	65.5	68.1	70.5	71.3	74.8	74.4	69.6	65.5	55.7	50.2	41.5
11	Rewa	22.8	23.7	26.1	27.9	29.0	32.2	35.4	39.3	50.3	46.5	51.1	55.6	57.0	59.0	62.1	65.0	66.2	66.6	67.6	68.0	69.4	67.4	62.7	58.0	48.3	43.9
12	Sagar	22.6	22.9	25.1	26.5	28.3	31.1	33.3	37.0	46.9	42.7	46.8	50.7	52.1	54.9	56.7	59.7	60.8	62.7	63.8	64.3	65.9	62.0	58.1	50.7	44.3	37.2
13	Satna	22.8	23.8	26.6	28.4	29.1	32.3	35.5	39.4	50.8	46.8	51.3	55.8	57.0	59.6	62.2	65.4	66.0	67.2	67.4	68.1	70.2	66.4	62.9	56.0	48.1	43.0
14	Seoni	24.8	25.8	27.8	29.1	31.2	33.4	35.7	40.0	49.6	43.4	45.6	50.0	51.2	51.8	54.0	56.2	56.9	59.5	58.6	59.5	60.4	56.9	52.9	44.0	37.2	30.1
15	Shahdol	22.0	22.9	25.2	26.1	27.4	30.4	33.1	36.4	45.6	42.5	45.4	49.4	51.1	53.4	56.5	58.6	61.5	62.2	62.5	63.6	64.4	63.0	60.1	53.9	43.6	39.6
16	Shajapur	28.3	28.2	30.9	32.6	34.7	37.4	39.9	43.8	53.6	49.3	52.1	57.8	58.0	61.5	65.2	68.5	71.0	74.4	75.5	79.1	79.0	73.6	69.3	59.8	55.9	46.3
17	Sehore	24.6	24.6	27.1	29.1	31.4	34.4	37.1	40.3	50.6	45.7	49.2	54.1	55.3	57.7	59.9	63.7	64.6	66.6	67.5	69.8	70.3	65.7	61.0	51.6	45.7	36.8
18	Seopur	24.3	25.3	27.2	29.1	30.4	33.6	35.6	39.7	48.5	44.6	48.7	53.0	53.9	57.9	59.5	62.6	65.5	68.4	71.0	73.3	73.6	71.9	71.4	66.3	62.6	55.9
19	Shivpuri	24.9	25.4	27.5	29.7	30.9	34.2	36.6	40.6	51.0	47.2	51.0	56.8	57.9	62.2	64.7	68.9	72.5	75.0	77.9	80.1	81.5	78.2	75.2	67.0	62.6	53.5
20	Sidhi	22.4	23.2	25.5	27.2	28.4	31.5	34.4	38.4	48.8	45.3	49.8	54.2	55.4	57.6	60.7	64.0	65.3	65.3	66.1	67.1	68.3	66.0	62.2	56.6	46.8	42.7
21	Singrauli	21.7	22.6	24.6	26.2	27.4	29.9	32.6	36.2	45.4	42.6	46.1	50.5	51.6	53.6	56.9	59.5	60.9	60.0	61.6	61.5	62.0	61.2	56.9	52.6	41.9	40.2
22	Tikamgarh	22.9	23.6	25.3	27.2	28.3	31.9	34.3	38.0	49.0	45.6	49.6	54.3	55.7	59.1	61.2	64.8	66.8	68.7	69.3	70.1	72.8	68.0	65.6	58.9	52.7	45.7
23	Ujjain	30.5	30.4	33.5	34.8	37.2	40.0	42.2	45.6	56.4	51.6	54.4	59.2	60.0	63.0	66.1	69.4	72.1	74.4	74.9	78.9	77.3	72.5	66.9	57.1	52.7	43.5
24	Umaria	22.1	23.0	25.2	26.3	27.8	30.6	33.3	36.6	46.0	42.3	45.5	49.0	50.8	52.9	55.4	57.1	59.1	61.0	60.8	61.5	62.2	60.3	57.7	51.7	42.5	36.8
25	Vidisha	24.8	24.8	27.4	29.1	31.8	34.3	37.2	41.1	51.3	46.9	50.3	54.9	56.4	59.0	61.0	63.7	65.7	68.1	69.0	71.0	71.4	67.6	62.8	53.3	47.7	39.9

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Weekly ETo values of for districts of Madhya Pradesh																											
S No.	Districts	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
1	Khargone	30.3	28.0	25.6	22.0	20.0	18.3	19.8	20.6	22.2	24.7	29.0	29.9	31.2	32.4	32.0	32.6	33.3	33.0	31.9	30.4	29.5	29.3	29.8	29.1	29.2	33.4
2	Mandla	31.5	28.5	29.2	24.6	24.2	21.9	23.5	23.8	25.5	24.7	26.5	29.1	31.3	31.1	31.1	29.9	30.1	29.0	28.9	27.4	27.3	26.3	26.1	25.7	25.0	27.8
3	Mandsaur	41.0	35.8	33.3	28.9	27.5	24.6	24.9	25.9	28.5	29.1	33.6	34.5	35.8	37.0	37.7	37.6	35.9	35.8	34.1	32.7	30.2	31.1	30.2	30.1	29.9	33.0
4	Morena	50.8	43.0	41.0	39.2	38.4	35.3	35.0	35.6	38.3	37.6	36.8	37.4	39.9	38.7	38.6	36.2	34.3	32.5	29.8	27.7	25.8	24.5	23.5	22.9	21.8	23.8
5	Narsinghpur	35.4	32.0	30.7	26.8	26.3	23.5	23.7	24.6	25.6	25.9	27.6	29.8	32.7	32.1	32.6	30.8	30.3	28.7	28.4	26.3	25.2	24.2	23.7	23.2	22.6	25.4
6	Neemuch	42.0	36.3	33.9	29.7	28.2	26.3	26.2	27.3	29.7	30.7	34.3	35.2	35.9	37.2	37.7	36.9	35.4	35.0	33.5	31.5	29.9	30.5	29.6	29.3	29.1	32.4
7	Panna	42.7	38.4	36.6	33.9	34.0	32.2	30.6	32.0	32.1	30.8	30.5	32.2	35.1	34.1	34.9	33.4	31.5	30.8	29.3	28.0	26.6	25.5	24.8	24.9	23.8	26.7
8	Raisen	31.0	27.4	25.8	22.0	21.0	18.3	19.6	20.7	22.4	22.9	26.8	29.0	32.0	33.4	33.1	33.8	31.9	32.4	31.0	29.8	28.8	27.8	27.8	27.2	26.8	29.8
9	Rajgarh	39.4	35.4	32.5	29.3	27.4	23.7	25.1	26.5	27.5	28.2	31.4	32.5	34.5	34.6	35.2	35.4	34.0	34.0	32.6	30.9	29.2	28.8	28.9	28.2	28.1	31.6
10	Ratlam	35.1	30.1	27.3	23.1	21.8	18.8	19.7	21.1	24.0	24.9	30.4	31.4	33.2	34.9	35.4	37.2	37.2	38.1	36.9	35.7	33.3	33.8	33.6	33.0	32.6	35.7
11	Rewa	39.9	36.8	35.1	33.4	32.9	31.7	30.7	31.5	31.9	30.3	30.6	31.7	34.0	33.7	34.4	32.2	31.3	30.3	29.2	28.4	27.1	26.0	25.0	24.9	23.7	26.3
12	Sagar	31.6	28.3	27.2	24.0	24.2	21.2	22.3	23.1	24.7	24.8	26.1	29.0	32.2	31.9	32.2	31.5	30.3	30.1	28.9	27.1	25.8	24.9	24.2	23.6	23.1	25.3
13	Satna	38.7	35.7	34.3	31.9	32.0	31.0	29.5	30.8	31.0	29.3	29.7	31.3	34.2	33.4	34.6	32.1	31.3	30.3	29.0	28.0	27.2	25.8	25.0	24.7	23.9	26.2
14	Seoni	28.8	27.6	26.8	22.8	22.4	20.6	22.0	23.4	24.7	24.6	27.4	29.6	32.1	30.9	30.8	29.3	30.3	29.3	28.9	27.5	28.2	26.7	27.1	26.8	25.9	27.7
15	Shahdol	36.0	33.1	32.3	30.0	29.3	27.5	28.3	28.7	28.7	28.2	28.7	30.2	31.4	30.9	31.5	29.2	28.8	26.9	27.0	25.8	24.4	23.8	22.8	22.9	22.0	25.0
16	Shajapur	38.6	34.8	31.9	28.8	27.4	23.5	24.5	26.2	27.4	27.8	31.8	32.8	34.6	35.2	35.6	35.9	34.8	34.7	33.2	31.8	30.1	29.5	29.7	29.2	29.0	32.1
17	Sehore	30.5	27.9	26.5	23.5	22.2	20.1	20.3	20.7	22.9	23.4	26.2	28.8	32.3	32.9	33.4	32.7	30.9	31.1	30.1	28.6	27.5	26.2	26.3	25.6	25.2	27.9
18	Seopur	48.7	42.8	38.6	38.2	36.3	32.7	33.5	34.5	36.7	36.5	37.6	37.7	40.1	38.7	38.3	37.3	35.0	34.1	31.2	29.0	27.2	26.6	25.6	25.0	25.1	27.8
19	Shivpuri	46.7	39.9	35.6	33.9	33.6	28.9	30.8	31.4	33.5	33.6	34.8	35.6	39.6	39.0	39.2	38.0	35.9	35.3	32.1	30.5	28.3	27.2	26.3	25.7	25.4	28.2
20	Sidhi	39.5	36.5	35.3	33.6	32.7	32.1	31.0	31.5	32.0	30.3	30.3	31.5	32.8	32.4	33.3	31.0	30.4	29.4	28.3	27.5	26.4	25.3	24.0	23.9	23.1	25.6
21	Singrauli	37.1	34.9	34.4	33.2	32.9	31.6	31.2	31.8	31.5	30.6	30.3	31.5	32.3	32.0	32.2	29.9	29.9	28.0	27.5	26.7	25.3	24.3	23.2	23.1	22.2	24.7
22	Tikamgarh	41.2	36.4	34.9	32.0	31.7	29.3	29.8	31.0	31.0	30.5	31.0	32.7	36.2	34.6	36.1	33.9	32.9	31.8	30.0	28.2	26.9	25.2	24.7	24.4	23.4	26.1
23	Ujjain	36.7	32.3	29.9	26.0	24.4	21.0	21.8	23.7	25.7	25.8	31.2	32.4	34.2	36.1	35.9	36.9	36.6	36.8	35.4	34.2	32.1	31.9	32.0	31.4	31.0	34.0
24	Umaria	33.6	30.6	30.1	26.4	26.3	24.2	24.8	25.2	26.0	25.5	26.4	28.7	31.0	30.5	31.6	29.4	29.4	28.1	27.7	26.0	25.1	24.1	23.2	22.9	22.4	25.1
25	Vidisha	33.5	30.4	27.4	24.2	23.5	20.7	21.4	22.3	23.9	24.4	27.2	29.7	32.9	33.8	34.0	34.1	32.1	32.1	30.6	29.1	27.7	27.0	26.2	25.4	25.1	27.9

Monthly Reference Evapotranspiration (ET_o) values for districts of Madhya Pradesh

Table 3: Monthly Reference Evapotranspiration (ET_o) values for district of Madhya Pradesh

Monthly ETo values of for districts of Madhya Pradesh														
S No	Districts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	Agar Malwa	138.9	170.2	238.8	288.6	345.0	259.4	151.1	115.0	137.8	159.7	139.1	131.8	2275.4
2	Alirajpur	145.4	170.1	227.7	264.7	307.7	217.6	119.5	93.2	130.0	156.9	142.8	138.0	2113.5
3	Anuppur	107.2	137.5	201.0	233.8	252.5	178.0	125.5	114.5	121.4	126.6	106.7	98.2	1802.9
4	Ashoknagar	116.6	149.3	221.8	268.6	315.7	242.5	149.1	118.4	133.3	153.6	122.8	109.3	2101.1
5	Balaghat	123.7	157.4	218.8	248.9	271.8	189.0	121.2	103.6	123.3	137.2	121.4	115.8	1932.0
6	Barwani	143.7	172.4	236.8	284.3	329.6	227.9	133.6	104.0	137.4	158.6	141.1	136.6	2206.0
7	Betul	122.9	155.5	212.6	247.2	284.5	192.4	100.5	75.5	110.3	135.3	125.0	119.8	1881.6
8	Bhind	103.1	140.5	219.5	271.8	320.3	274.2	189.4	160.5	155.8	156.8	118.4	98.6	2208.7
9	Bhopal	121.9	158.6	225.6	265.1	303.6	213.9	115.0	87.6	114.8	141.9	123.7	114.7	1986.5
10	Burhanpur	133.2	161.8	216.3	255.4	300.9	206.0	115.0	86.9	115.0	139.4	126.2	124.0	1980.2
11	Chhatarpur	115.7	149.9	229.7	274.9	315.1	249.5	165.2	138.4	136.6	150.5	122.9	109.3	2157.8
12	Chhindwara	119.0	154.0	214.1	248.9	284.7	185.7	106.7	84.4	113.5	129.7	117.0	112.5	1870.3
13	Damoh	112.6	143.9	210.4	247.7	281.9	219.1	136.5	114.8	124.9	141.8	119.5	106.3	1959.5
14	Datia	105.2	142.0	221.7	278.0	330.7	273.6	184.7	155.1	156.3	161.3	121.5	102.2	2232.4
15	Dewas	129.7	163.0	229.4	274.1	314.3	213.7	112.9	86.5	119.9	147.8	130.1	121.7	2043.0
16	Dhar	146.6	177.7	242.3	283.4	319.7	216.0	114.1	85.0	120.6	152.3	142.8	137.2	2137.7
17	Dindori	109.2	140.4	202.1	240.5	263.8	186.7	113.1	97.1	110.7	128.1	111.4	102.7	1805.8
18	Guna	123.4	157.0	230.0	277.9	325.8	247.0	145.9	112.4	130.1	154.7	127.0	115.3	2146.3
19	Gwalior	105.5	141.4	219.7	274.1	330.8	279.8	188.9	157.1	157.8	160.6	120.5	101.5	2237.6
20	Harda	123.8	154.2	211.0	247.7	290.4	222.0	131.2	99.8	124.8	141.1	124.9	117.8	1988.7
21	Hoshangabad	117.4	147.4	205.2	241.5	284.4	219.5	130.5	99.2	122.5	138.1	120.5	112.7	1938.9
22	Indore	136.6	170.4	235.7	277.4	314.8	212.1	113.5	83.8	116.6	145.0	133.2	127.1	2066.2
23	Jabalpur	105.7	137.8	201.6	242.6	280.7	212.3	129.6	105.7	118.8	135.9	113.6	100.1	1884.3
24	Jhabua	144.7	168.9	225.9	261.7	302.8	212.8	112.4	86.9	124.8	153.9	143.0	137.1	2075.0
25	Katni	112.5	144.0	212.8	249.3	278.5	213.1	138.6	118.4	123.5	137.1	115.6	104.1	1947.6
26	Khandwa	131.9	161.7	218.7	259.3	306.1	214.0	119.6	90.4	119.7	144.5	130.0	124.7	2020.6
27	Khargone	138.2	168.4	232.8	282.7	327.2	212.1	117.0	88.6	121.4	144.4	131.4	130.1	2094.4
28	Mandla	118.8	148.3	207.7	241.8	273.2	201.3	125.1	105.0	118.9	134.8	118.8	112.3	1905.9
29	Mandsaur	140.4	171.7	238.1	285.6	344.7	264.0	153.3	115.2	141.3	163.6	139.6	132.1	2289.7
30	Morena	103.5	138.2	214.4	267.5	324.0	280.3	193.0	161.0	162.4	162.2	119.1	98.8	2224.2
31	Narsinghpur	108.6	141.2	204.8	249.0	291.8	221.7	137.5	109.0	123.4	138.1	113.6	101.8	1940.5
32	Neemuch	138.4	170.2	236.9	283.0	339.5	263.2	156.8	120.7	144.8	162.2	136.6	129.2	2281.5
33	Panna	114.1	149.4	231.7	279.3	318.1	250.6	168.1	142.4	137.3	147.4	119.9	107.2	2165.4
34	Raisen	126.2	163.3	231.2	273.9	313.7	218.4	117.3	89.4	117.3	146.2	127.8	119.8	2044.5
35	Rajgarh	131.7	164.1	231.0	279.2	334.6	255.3	150.7	114.4	134.6	154.0	132.5	125.1	2207.4
36	Ratlam	151.4	178.8	239.9	276.1	322.0	235.7	127.3	92.0	127.1	160.6	152.0	144.6	2207.7
37	Rewa	112.8	148.0	227.6	270.2	301.6	234.3	160.8	140.4	135.6	144.8	120.6	107.0	2103.8
38	Sagar	109.1	140.8	208.3	248.8	284.3	210.6	123.1	101.8	119.0	139.0	116.8	103.2	1904.7
39	Satna	114.0	148.4	229.0	271.1	302.1	231.6	155.9	136.4	133.2	144.5	120.0	106.9	2093.2
40	Seoni	120.0	152.0	208.1	234.5	263.0	183.7	116.8	99.1	120.9	133.9	120.1	115.4	1867.6
41	Shahdol	107.6	138.5	203.8	246.4	280.6	217.6	145.5	125.9	126.7	131.9	109.9	99.2	1933.8
42	Shajapur	134.9	167.2	235.8	285.7	340.7	255.2	148.1	113.3	135.0	156.3	135.9	128.5	2236.7
43	Sehore	118.8	154.8	221.7	263.7	303.2	217.4	119.8	93.2	117.3	143.2	122.7	112.5	1988.4
44	Seopur	118.4	150.4	217.1	263.1	318.8	278.2	186.1	153.2	162.3	164.1	125.7	111.0	2248.5
45	Shivpuri	120.4	154.2	230.1	287.9	349.5	283.3	173.4	138.8	153.2	167.6	130.1	113.5	2302.1
46	Sidhi	110.4	144.2	221.8	265.3	296.1	229.6	160.4	140.8	134.0	139.7	117.3	103.5	2063.2
47	Singrauli	106.8	136.5	206.5	247.3	272.0	211.3	154.8	140.6	133.7	135.9	113.0	100.0	1958.4
48	Tikamgarh	111.1	144.5	222.1	269.9	310.3	245.2	160.2	135.0	139.0	151.3	121.2	105.7	2115.4
49	Ujjain	145.0	176.7	245.1	290.4	337.7	244.0	137.7	102.2	131.1	161.0	145.7	137.6	2254.2
50	Umaria	108.1	139.6	203.2	240.9	271.8	208.5	133.3	111.8	118.9	133.2	112.2	100.3	1881.8
51	Vidisha	119.5	156.2	226.1	267.3	309.5	226.2	127.6	98.2	121.1	147.8	124.9	112.3	2036.8

