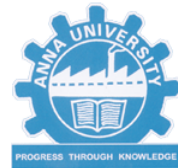




# DISTRICT WISE CLIMATE CHANGE INFORMATION FOR THE STATE OF TAMIL NADU

## TEMPERATURE PROJECTIONS FOR VILLUPURAM



### 8.1 About Villupuram

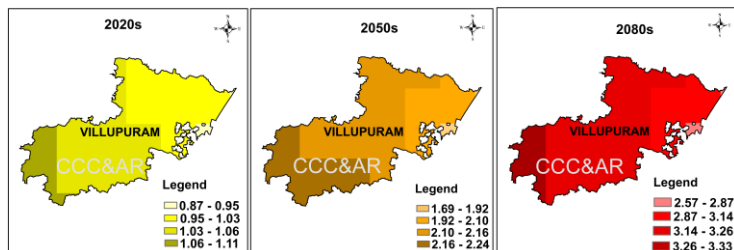
Villupuram district lies between 11° 38' 25" N and 12° 20' 44" S; 78° 15' 00" W and 79° 42' 55" E with an area of 7194 sq. km. It was carved out from the South Arcot district on 30.09.1993 and was rechristened as Villupuram district. The residual part of the erstwhile South Arcot district was named as Cuddalore district. It is surrounded on east and south by Cuddalore district. The west by Salem and Dharmapuri district and on the north by Thiruvannamalai and Kanchipuram district.<sup>1,2,3</sup>

### 8.2 Climate of Villupuram

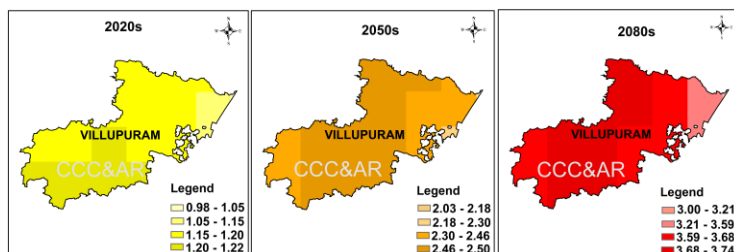
The climate of Villupuram district is fairly dry and on the whole healthy. The temperature is moderate. The average maximum and minimum temperatures for district have been 32.78°C in May and 24.08°C in January respectively.<sup>1,2,3</sup>

### 8.3 Temperature Projections for Villupuram

The annual maximum and minimum temperature normal (1970-2000) of Villupuram district are 32.4°C and 24.0°C respectively.<sup>4</sup> Projections of maximum temperature over Villupuram for the periods 2010-2040 (2020s), 2040-2070 (2050s) and 2070-2100 (2080s) with reference to the baseline (1970-2000) indicate an increase of **1.0°C**, **2.0°C** and **3.1°C** respectively. Similarly, the projections of minimum temperature for the same periods indicate an increase of **1.1°C**, **2.3°C** and **3.4°C** respectively.



**Fig 8.1** Changes in Max. Temperature for 2020s, 2050s & 2080s



**Fig 8.2** Changes in Min. Temperature for 2020s, 2050s & 2080s

**Table 8.1** Changes in Temperature

Parameter	2020s	2050s	2080s
Maximum Temperature	+1.0°C	+2.0°C	+3.1°C
Minimum Temperature	+1.1°C	+2.3°C	+3.4°C

### 8.4 Key Findings

The average change of maximum and minimum temperature for Villupuram district are expected to increase by **3.1°C** and **3.4°C** respectively by the end of the century.

### 8.5 References

- <http://www.viluppuram.nic.in/ataglancepage.htm>
- <http://www.viluppuram.nic.in/agripage.htm>
- ENVIS 2015. Villupuram District. ENVIS Centre Tamilnadu, Available at [tnenvis.nic.in/files/VILLUPURAM%20.pdf](http://tnenvis.nic.in/files/VILLUPURAM%20.pdf)
- IMD, 2013. Temperature of Villupuram District. Regional Meteorological Centre, Chennai.