Thunderstorm: A thunderstorm is a type of storm with lightning and thunder. They are caused by an updraft, which occurs when warm, moist air rises vertically into the atmosphere. The updraft creates a cumulus cloud, which will eventually be the thunderstorm cloud. The basic factors that form a thunderstorm are moisture, unstable air, and a Lifting mechanism. Every thunderstorm produces lightning, which kills more people each year than tornadoes. Heavy rain from thunderstorms can lead to flash flooding, strong winds, hail, and tornadoes are also dangers associated with thunderstorms.

Thunderstorm climatological values for the period 1981–2010 have been used for the preparation of theses maps. Since it is a part of weather phenomena, we are producing two types of district maps in our Vulnerability Atlas for this event, viz. monthly and annual climatology of frequencies of the event for each district. In addition, the Normalized Vulnerability Index is being calculated for each district as per formula mentioned in equation 1. Total twenty-six maps are presented.