1. **Extreme rainfall Events:** Rainfall events of high intensities are in most cases cause by floods, waterlogging, landslides and many other disasters. information of maximum probable frequencies (number of days) of extreme rainfall events (heavy, very heavy, or extremely heavy) of each district from the past record of more than 100 years can identify the districts vulnerable to extreme events. In order to view the climate change impact on extreme rainfall events in various decades, the extreme rainfall information is made available for different decades and periods viz. 1951-60, 1961-70, 1971-80, 1981-1990, 1991-2000, 2001-2010, 2011-2019, 1901-2019 and 1951-2019. The user has to select the period from the drop-down menu available while clicking on Extreme Rainfall. After selecting the desired period/decade, one can get the vulnerability maps for four seasons, annual and for the monsoon months viz. June, July, August, and September. For any season/month or annual, there are three events viz. maximum probable frequency of Heavy rainfall event, maximum probable frequency of Very Heavy & Extremely Heavy rainfall events, and maximum probable frequency of Heavy, Very Heavy & Extremely Heavy rainfall events. For extracting maximum probable frequency, we have considered the maximum frequency among all the raingauge stations in the district for the selected period.   The hazard caused by the extreme rainfall event is generally not limited to a point station where the observation is made but may spread wider areas of the district and cause an impact on increasing flood events, water quality, health, and other societal problems. Thus the climatology of the frequency of extreme rainfall events is helpful to identify the districts vulnerable to frequent extreme rainfall events. Followings are the terminologies used by the India Meteorological Department for different extreme rainfall events and have been used in our analysis:

Terminology	Rainfall range in mm
Heavy Rainfall	64.5- 115.5
Very Heavy Rainfall	115.6-204.4
Extremely Heavy rainfall	Greater or equal to 204.5