

Rationale

In the year 2022, rains in Gujarat arrived almost two week late. But even after being stalled for so long, most of the districts in Gujarat had normal, excess or large excess rainfall and the State as a whole had 69.75% surplus rain when compared to average rainfall between 1992-2021. Twenty Six districts in Gujarat including Chhota Udaipur, Tapi, Navsari, Narmada, Ahmedabad, Panchmahal, Dang, Valsad have suffered flood like situation in the 2022 monsoon season. The Disaster Management Division of Ministry of Home Affairs, GoI has been issuing daily situation report on Flood/ Heavy rainfall in the country since May 2022. As per the situation report issued on 28 July 2022 the number of deaths across the Gujarat state (since 1 June 2022) due to floods has reached 119 out of which 57 people have died due to drowning and others by other flood related events like tree falls, falling of walls, lightning, waterlogging, short circuiting and house collapse. Apart from this, around 356 houses have undergone full damage and 3846 houses have been partially damaged. In addition to the human lives lost and houses damaged, around 1086 animals and other livestock have perished. The current meteorological situation existing over Gujarat shows there is quite a possibility of the occurrence of scattered rains and thundershowers over the state in near future. Further, if we try to analyze the observed rainfall variability and changes over Gujarat State on a synoptic scale, we can be affirmative of the fact there has been conspicuous increase in rainfall over the last decade.

About the Speaker:

Shri Vineet Kumar Singh is currently working as Postdoctoral Researcher at Typhoon Research Center, Jeju National University, South Korea.