

## **Vigyan Samachar: MoES News**

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### **IMD observed Monsoon Rainfall Variability and Changes during Recent 30 years**

India Meteorological Department (IMD), Ministry of Earth Sciences (MoES), Government of India has observed monsoon rainfall variability and changes of 29 State and Union Territory at State and Districts levels based on the IMD's observational data of recent 30 years (1989-2018) during the Southwest monsoon season from June to September (JJAS).

### **Reports on observed rainfall variability and its trend for each State and Union Territory**

- ❖ Five States like Uttar Pradesh, Bihar, West Bengal, Meghalaya and Nagaland have shown significant decreasing trends in southwest monsoon rainfall during the recent 30 years period (1989-2018).
- ❖ The annual rainfall over these five States along with the States of Arunachal Pradesh and Himachal Pradesh also shown significant decreasing trends.
- ❖ Other States do not show any significant changes in southwest monsoon rainfall during the same period.
- ❖ Considering district-wise rainfall, there are many districts in the country, which show significant changes in southwest monsoon and annual rainfall during the recent 30 years period (1989-2018).
- ❖ With regard to the frequency of heavy rainfall days, significant increasing trend has been observed in parts of Tamil Nadu, Northern parts of Andhra Pradesh and adjoining areas of Southwest Odisha, many parts of the Chhattisgarh, Southwest Madhya Pradesh, West Bengal, Manipur, Mizoram, Konkan, Goa and Uttrakhand. The data is available in IMD website: <https://mausam.imd.gov.in/>

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