

Kerala and Uttarakhand received record rainfall in October, with several districts reporting 24-hour highs that exceeded the figures from over a century. What explains this incessant rain?

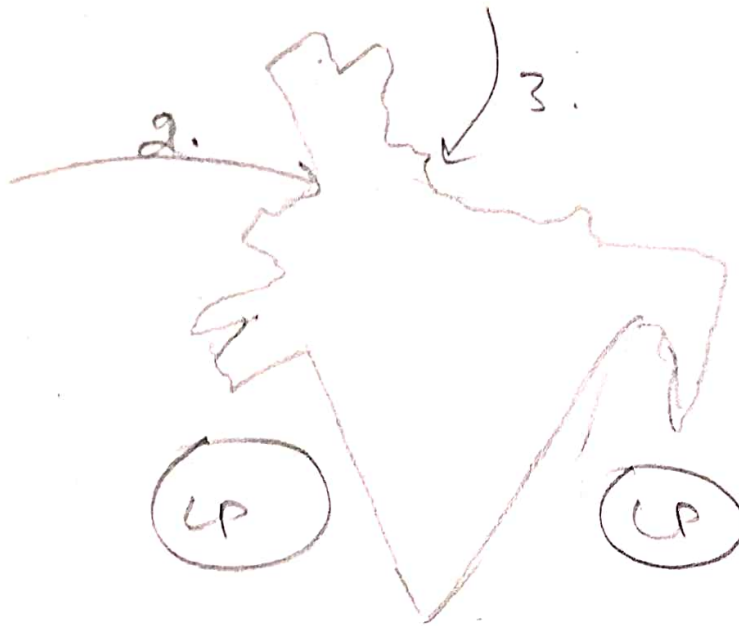
Recently, Kerala and Uttarakhand received unprecedented rainfall. & totally, this phenomenon is closely associated with South-west monsoon and increasing sea surface temperature.

Usual withdrawal of SW monsoon is in October. But the recent rainfall was received well beyond the usual withdrawal period. This is because of the following factors.

1. Low pressure system developing in Arabian Sea and Bay of Bengal. Because of global warming, AS is becoming warmer $\rightarrow$ bringing high intensity cyclone to western coast of India.

2. Moist laden clouds from Mediterranean Sea brings rainfall to the North India.

3. Because of ~~warming~~^{melting} of Arctic pole, colder air reaches northern India there by bringing heavy rainfall.



It is no wonder that India, having a large coastal line, is witnessing the brunt of global warming. Indian monsoon should be predicted precisely to avert major life-property loss.