

Wednesday, 20th June 2018 (30th Jyaistha 1940 Saka)

The Southwest Monsoon could not advance further since last one week due to weak monsoon flow in associations with (a) weak cross equatorial flow (ii) Unfavorable location of active phase of Madden Julian Oscillation (MJO) (iii) an equatorial eastwards propagating oscillations which lay over central & east Pacific Ocean, Western Hemisphere and Africa and (iv) development of low pressure system over northwest pacific Ocean. However, the monsoon circulation is likely to improve from around 24th June with (i) expected movement of active phase of Madden Julian Oscillation (MJO) to west Equatorial Indian Ocean and adjoining Arabian Sea during next 23 days and (ii) development of cyclonic circulations over eastern India leading to strengthening of easterlies winds over Gangetic plains. As a result, the Southwest Monsoon is likely to further advance over remaining parts of Assam, some more parts of Maharashtra, Chhattisgarh, Odisha, West Bengal and some parts of Jharkhand, Bihar and Madhya Pradesh between 23rd to 25th June. The Northern Limit of Monsoon continues to pass through Lat. 19°N/ Long. 60°E, Lat. 19°N/ Long. 70°E, Thane (including Mumbai), Ahmednagar, Buldhana, Amravati, Gondia, Titlagarh, Cuttack, Midnapore, Lat. 24°N/ Long. 89°E, Goalpara, Baghdogra and Lat. 27°N/ Long. 87°E. The western disturbance as a trough in mid & upper tropospheric westerlies with its axis at 5.8 kms a. s. l. roughly along Long. 72°E has moved away northeastwards. The trough in mid tropospheric westerlies roughly along Long. 93°E has become less marked. The cyclonic circulation over north Punjab and neighbourhood now lies over north Haryana & neighbourhood and extends upto 1.5 kms a. s. l. The cyclonic circulation over Madhya Maharashtra and neighbourhood now lies over south Konkan and neighbourhood and extends upto 4.5 kms a. s. l. A cyclonic circulation extending upto 0.9 km a. s. l. lies over Bihar and adjoining east Uttar Pradesh. A trough runs from Bihar to cyclonic circulation over south Konkan and extends upto 1.5 kms a. s. l. across Chhattisgarh and Telangana with the above cyclonic circulation over Bihar embedded in this trough. An east - west trough runs from cyclonic circulation over Bihar to east Bangla Desh and extends upto 0.9 km a. s. l. The off-shore trough at mean sea level from south Maharashtra coast to Kerala coast now runs from Maharashtra coast to Kerala coast. The cyclonic circulation over westcentral Bay of Bengal and adjoining coastal Andhra Pradesh now lies over central Bay of Bengal and neighbourhood and extends between 3.1 & 7.6 kms a. s. l. The trough from east Bihar to north Bay of Bengal has become less marked.

The southwest Monsoon has been active over Kerala. It has been subdued over Arunachal Pradesh, Telangana, Rayalaseema and south interior Karnataka.

Extremely heavy rain has occurred in Konkan & Goa; very heavy rain has occurred in Andaman & Nicobar Islands, Himachal Pradesh and coastal Karnataka and heavy rain has occurred at isolated places in Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Madhya Maharashtra, Chhattisgarh, south interior Karnataka and Kerala.

Severe heat wave conditions prevailed in some parts of Odisha. Heat Wave conditions prevailed in some parts of Gangetic West Bengal.