



Thursday 21 June 2018

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Based on 0830 hours IST Observations

## All India Weather Inference (MID-DAY)

- ◆ 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 & adjoining Arabian Sea during next 2-3 days and (ii) development of cyclonic circulations over eastern India leading to strengthening of easterlies winds over Gangetic plains. Thus, conditions are becoming favourable for further advance of Southwest Monsoon 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 cyclonic circulation over north Haryana & neighbourhood now lies over northwest Uttar Pradesh & neighbourhood and extends upto 0.9 km above mean sea level.
- ◆ The cyclonic circulation over south Konkan & neighbourhood now seen between 3.1 and 5.8 above mean sea level.
- ◆ The cyclonic circulation over Bihar & adjoining East Uttar Pradesh has become less marked.
- ◆ The trough from Bihar to cyclonic circulation over south Konkan extending upto 1.5 km above mean sea level across Chhattisgarh and Telangana with the above cyclonic circulations over Bihar & adjoining East Uttar Pradesh and another over south Konkan & neighbourhood embedded in the trough has become less marked.
- ◆ The East-west trough from cyclonic circulation over Bihar to East Bangladesh now runs from the cyclonic circulation over northwest Uttar Pradesh to Sub-Himalayan West Bengal and extends upto 0.9 km above mean sea level.
- ◆ The off-shore trough at mean sea level from Maharashtra coast to Kerala coast persists.
- ◆ The cyclonic circulation over Central Bay of Bengal & neighbourhood now lies over westcentral & adjoining northwest Bay of Bengal between 2.1 km and 4.5 km above mean sea level.
- ◆ The East-west shear zone runs roughly along latitude 18.0°N over India region between 3.1 and 7.6 km above mean sea level and tilt southwards with height.