



**India Meteorological Department
National Weather Forecasting Centre
Mausam Bhawan, Lodi Road
New Delhi-110003**

Nowcast Guidance for next 24 hours

Date: 04 January 2018

Time of issue: 1300 IST

RADAR and RAPID Observation:

No significant convection was seen in any DWR at around 1245hrs IST.

INSAT-3D RAPID RGB imagery at 0830hrs IST indicated fog/low clouds over Punjab, Haryana, Delhi, Uttar Pradesh, Bihar, Sub-Himalayan West Bengal and parts of west Assam. RAPID RGB imagery at 1200hrs IST indicated significant convective clouds over Andaman & Nicobar Islands.

Chief Synoptic Features:

- ♦ The western disturbance is now seen as an upper air cyclonic circulation between 3.1 & 3.6 km above mean sea level with the trough in mid & upper tropospheric westerlies running aloft with its axis at 5.8 km above mean sea level roughly along longitude 64°E and to the north of latitude 30°N.
- ♦ An induced cyclonic circulation extending upto 0.9 km above mean sea level lies over central Pakistan and adjoining west Rajasthan.
- ♦ The remnant western disturbance as a trough in mid tropospheric westerlies with its axis at 3.1 km above mean sea level and roughly along longitude 91°E and to the north of latitude 24°N has moved away eastwards.
- ♦ A cyclonic circulation extending upto 2.1 km above mean sea level lies over eastern parts of Bangladesh and neighbourhood.
- ♦ The trough of low at mean sea level over southeast Bay of Bengal and adjoining Andaman Sea now lies over southeast Bay of Bengal and adjoining equatorial Indian Ocean. It extends upto 1.5 km above mean sea level.
- ♦ A trough of low at mean sea level lies over Maldives- Lakshadweep area.
- ♦ A low pressure area is likely to form over southeast Bay of Bengal and neighbourhood around 6th January.
- ♦ The cyclonic circulation over north Gujarat region & neighbourhood at 1.5 km above mean sea level has become less marked.
- ♦ The cyclonic circulation over Sub-Himalayan West Bengal and adjoining West Assam between 2.1 km & 3.6 km above mean sea level has become less marked.
- ♦ The feeble trough of low at mean sea level extending from southeast Arabian Sea to east central Arabian Sea has also become less marked.

Possible areas of Rainfall and or thunderstorm activity during next 24 hours:

Rainfall:

Andaman and Nicobar Islands

Thunderstorm with associated phenomena: Nil

Visibility < 200 m:

North Bihar, West Bengal, North East Jharkhand,
Assam and Meghalaya, Nagaland, Manipur, Mizoram and Tripura

Visibility < 50 m:

Punjab, Haryana, Uttar Pradesh

The graphical presentation of the potential area for Nowcasting:

