

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 05 March 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Present Western Disturbance over Eastern parts of Jammu & Kashmir is moving away eastwards and another Western Disturbance as a trough in mid & upper tropospheric westerlies lies along Long. 72°E to the north of Lat. 28°N. Under the influence of the above systems, minimum temperatures likely to fall by 2-3° C over plains of northwest India during next 48 hours and gradual rise in maximum temperatures by 2-4°C over the same area during next 3-4 days.
- Confluence of moist winds and presence of upper level divergence is likely to cause isolated thunderstorm/squall/hailstorm over parts of Gangetic West Bengal & Jharkhand on 5th March.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Himachal Pradesh, Madhya Pradesh, Chhattisgarh and Bihar from 1430 hours IST of yesterday to 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall recorded (from 0830 hours IST of Yesterday to 0830 hours IST of today): Rainfall occurred at Most places over Arunachal Pradesh; at Many Places Over Himachal Pradesh ; at a few places over Jammu & Kashmir and West Uttar Pradesh and at isolated places over Uttarakhand, West Rajasthan, East Madhya Pradesh, Sub Himalayan West Bengal & Sikkim and Assam & Meghalaya.
- Maximum temperature departures as on 04.03.2018: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jharkhand; at many places over Bihar; appreciably above normal (3.1°C to 5.0°C) at most places over Uttar Pradesh and Nagaland, Manipur, Mizoram & Tripura; at many places over Uttarakhand, Gangetic West Bengal, Odisha and East Madhya Pradesh; at a few places over Punjab; at isolated places over West Madhya Pradesh and Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at most places over East Rajasthan, Vidarbha, Marathwada and Rayalaseema; at many places over Jammu & Kashmir and Haryana, Chandigarh & Delhi; at a few places over West Rajasthan, Madhya Maharashtra, Konkan & Goa, Coastal & Interior Karnataka, Coastal Andhra Pradesh, Kerala and Tamilnadu & Puducherry; at isolated places over Andaman & Nicobar Islands; They

were appreciably below normal (3.1°C to 5.0°C) at most places over Arunachal Pradesh; below normal (1.6°C to 3.0°C) at many places over Assam & Meghalaya and near normal over rest parts of the country.

- Yesterday, the highest maximum temperature of 40.0°C recorded at Bhopal (West Madhya Pradesh) over the plains of the country.
- Minimum temperature departures as on 05.03.2018: Minimum temperatures are appreciably below normal (3.1°C to 5.0°C) at a few places over Tamilnadu & Puducherry; below normal (1.6°C to 3.0°C) at many places over Rayalaseema; at isolated places over interior Karnataka, Kerala and Coastal Andhra Pradesh. They are markedly above normal (5.0°C or more) at many places over Bihar and Nagaland, Manipur, Mizoram & Tripura; appreciably above normal (3.1°C to 5.0°C) at most places over West Rajasthan; at many places over Uttar Pradesh, Madhya Pradesh, Vidarbha, Jharkhand and West Bengal & Sikkim; at a few places over Assam & Meghalaya and Chhattisgarh and at isolated places over East Rajasthan and Odisha; above normal (1.6°C to 3.0°C) at many places over Jammu & Kashmir, Punjab, Marathwada, Madhya Maharashtra, Konkan & Goa and Gujarat; at a few places over Haryana, Chandigarh & Delhi and Coastal Karnataka; at isolated places over Andaman & Nicobar Islands and near normal over rest parts of the country.
- The lowest minimum temperature of 9.6°C recorded at Amritsar (Punjab) in the plains of the country.

Weather Warning during next 5 days (IMD)

- 05 March (Day 1): Thunderstorm accompanied with squall & hailstorm very likely at isolated places over Gangetic West Bengal and Jharkhand. Thunderstorm accompanied with gusty winds very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Madhya Pradesh and Chhattisgarh.
- 06 March (Day 2): Thunderstorm accompanied with gusty winds very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 07 March (Day 3): NO weather warning.
- 08 March (Day 4): NO weather warning.
- 09 March (Day 5): NO weather warning.
- The weather outlook for the period of seven days i.e 05 March to 13 March 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Himachal Pradesh, Jammu & Kashmir, Uttarakhand, West Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Sub Himalayan West Bengal & Sikkim and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

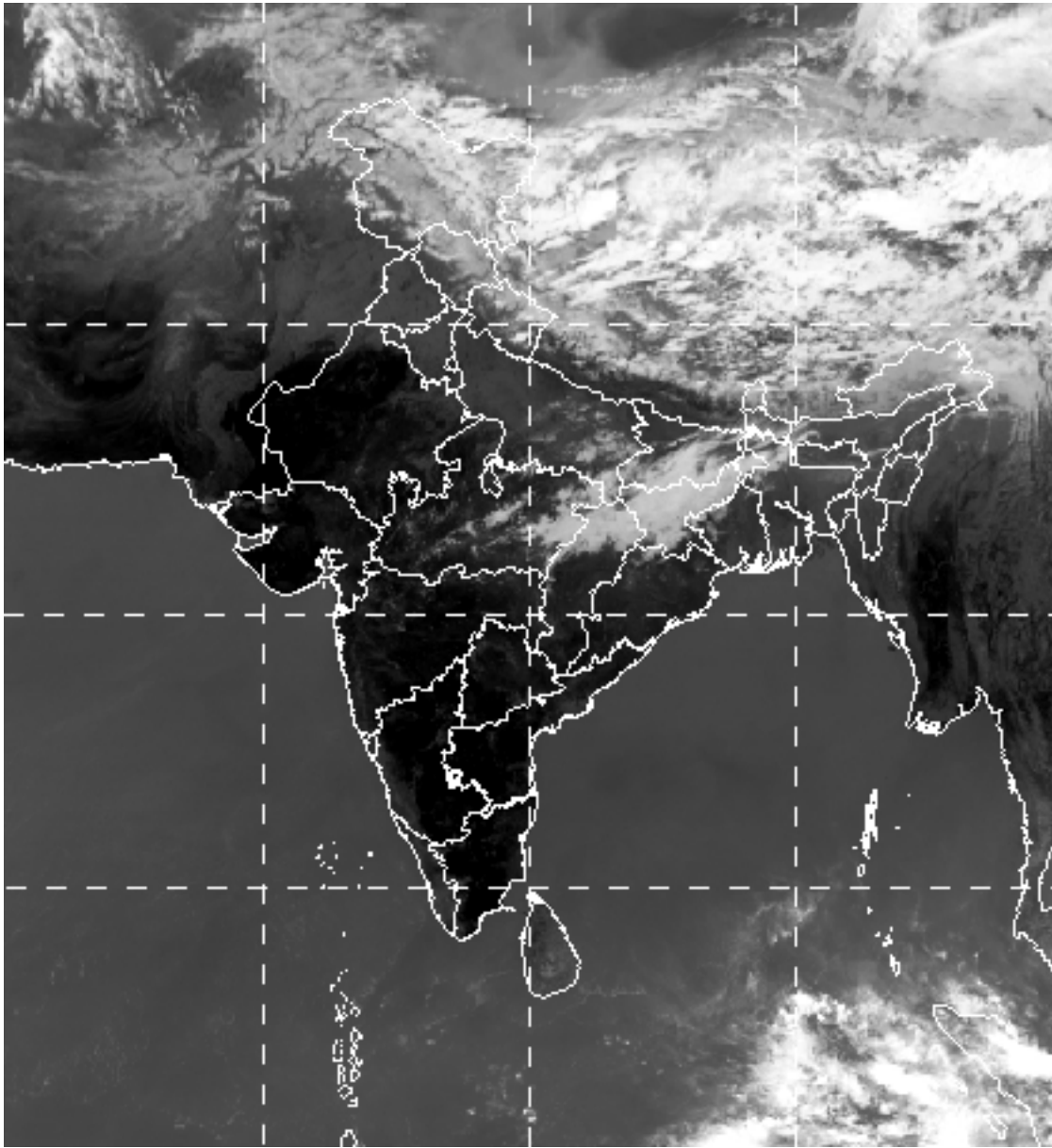
Assam

Weather condition

Light rainfall received in Assam state during past few days. Daily average maximum temperature was 28.9°C which was +3.2°C above normal and the average daily minimum temperature was 13.0°C which was -1.0°C above normal for the week.

Contingency measure:

- Rapeseed & mustard: Physiological maturity stage- Farmers are advised to harvest the rape and mustard crop when 75-80% siliqua turn yellow in colour, the harvesting is done by pulling out the whole plant.
- Potato: Farmers are advised to harvest the potato crop. Summer green gram and black gram Farmers are advised to collect the HYV such as Pratap (SG-1) for greengram and Pant-U-19 for blackgram from reliable sources. Seed should be sown January onwards to March. 3 kg seed/bigha is required for line sowing in the spacing of 30cm (row to row) and 10cm (plant to plant).
- Sugarcane: Sugarcane sets may be planted during March-April. Land preparation may be started now. Apply 5% Malathion dust @ 3 kg per bigha to avoid attack of termites before planting the sets.
- Poultry: Vaccination to control the ranikhet disease of poultry may be done during this period.



**Figure: 1. Latest available satellite picture as on 05 March 2018 at 0230 Hrs (IST).
(Source: IMD).**

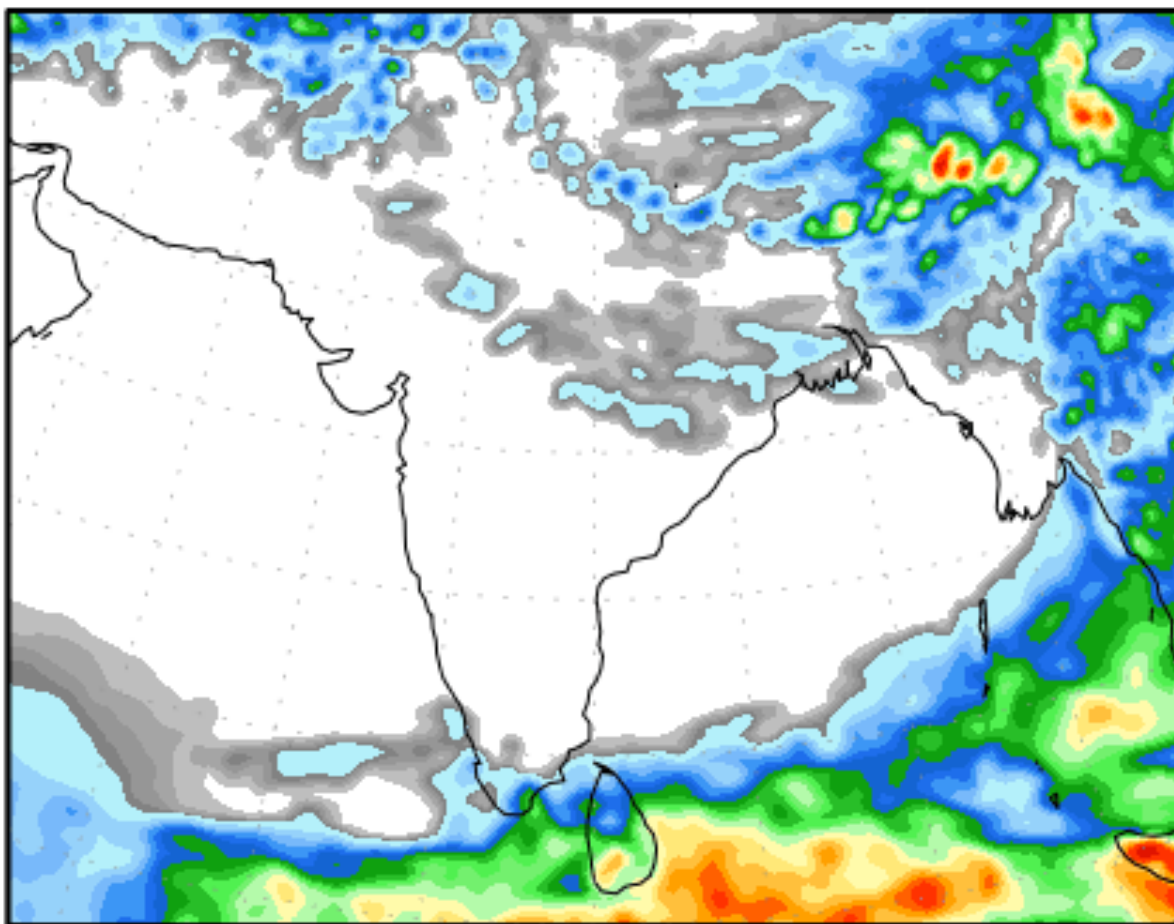


Figure: 2. Precipitation forecast for 05 March to 13 March 2018 (Source: NOAA NCEP).