

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 14 March 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Western Disturbance (along with an induced cyclonic circulation) and wind confluence between westerlies & easterlies (at lower levels) over Central India & adjoining northern plains are very likely to cause widespread rain/snow over Western Himalayan Region (WHR); scattered to fairly widespread rainfall over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh and isolated to scattered rainfall over north Rajasthan, Madhya Pradesh and Chhattisgarh during next 24 hours. Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places are also likely over Western Himalayan region, north Rajasthan, Punjab and Haryana, Chandigarh & Delhi. Strong surface winds speed reaching 30-40 kmph are also likely over Punjab and Haryana, Chandigarh & Delhi during the same period.
- The wind confluence zone is likely to shift eastwards from today evening leading to a likely increase in rain/thundershower activity over East India on 14th & 15th. Isolated to scattered/fairly widespread rainfall likely over Jharkhand, Gangetic West Bengal and adjoining areas of Odisha & Bihar during next 48 hours. Isolated thundersqualls and lightning are also likely over these regions during this period. The activity is likely to decrease slightly on 16th over these regions to be followed by an increase on 17th & 18th March.
- Rain/thundershowers likely to increase significantly over northeast India on 17th & 18th March when scattered to fairly widespread rainfall is likely over the region. Prior to this isolated thunderstorms, gusty winds and lightning are likely to occur over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura from tomorrow.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/snow/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today) :at most places over Jammu & Kashmir and Himachal Pradesh

East Madhya Pradesh; at isolated places over West Rajasthan, Haryana, Chandigarh & Delhi, Bihar, Jharkhand & Vidarbha.

- Maximum temperature departures as on 13.03.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Vidarbha and at isolated places over Odisha; above normal (1.6°C to 3.0°C) at most places over Rayalaseema; at many places over East Madhya Pradesh and Marathwada; at a few places over Jharkhand, Chhattisgarh, West Bengal & Sikkim, Assam & Meghalaya, South Interior Karnataka and Tamilnadu & Puducherry; at isolated places over West Madhya Pradesh, Telangana, Coastal Andhra Pradesh and Kerala. They were markedly below normal (-5.1°C or less) at many places over Himachal Pradesh; at a few places over Haryana, Chandigarh & Delhi and East Rajasthan; appreciably below normal (-3.1°C to -5.0°C) at most places over Uttarakhand; at many places over West Rajasthan, West Uttar Pradesh and Saurashtra & Kutch; below normal (-1.6°C to -3.0°C) at most places over Gujarat region; at a few places over Konkan & Goa and Andaman & Nicobar Islands and at isolated places Madhya Maharashtra and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 40.5°C recorded at Gulbarga (North Interior Karnataka) over the country.
- Minimum temperature departures as on 13.03.2019: Minimum temperatures are markedly above normal (5.1°C or more) at isolated places over Jharkhand; appreciably above normal (3.1°C to 5.0°C) at many places over Gangetic West Bengal; at a few places over Madhya Pradesh, Bihar & Chhattisgarh; at isolated places over East Uttar Pradesh & Odisha; above normal (1.6°C to 3.0°C) at most places over Sub-Himalayan West Bengal & Sikkim; at a few places over Telangana & Vidarbha; at isolated places over Tamilnadu & Puducherry. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over East Rajasthan; below normal (-1.6°C to -3.0°C) at a few places over Haryana, Chandigarh & Delhi; at isolated places over Jammu & Kashmir, Himachal Pradesh, West Rajasthan, Saurashtra & Kutch, Konkan & Goa and South Interior Karnataka and near normal over rest parts of the country.
- The lowest minimum temperature of 7.6°C recorded at Amritsar (Punjab) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 14 March (Day 1): Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi and north Rajasthan. Thunderstorm accompanied with lightning & gusty winds at isolated places very

likely over Uttar Pradesh, north Madhya Pradesh, north Chhattisgarh, Jharkhand, Bihar, West Bengal & Sikkim and Odisha.

- 15 March (Day 2): Thundersquall accompanied with lightning at isolated places very likely over Jharkhand and Gangetic West Bengal. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over East Madhya Pradesh, Chhattisgarh, Bihar, Arunachal Pradesh, Assam & Meghalaya, Bihar, Sub-Himalayan West Bengal & Sikkim and Odisha.
- 16 March (Day 3): Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Jharkhand.
- 17 March (Day 4): Thundersquall accompanied with lightning & gusty winds at isolated places likely over Odisha. Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, East Madhya Pradesh, Jharkhand and Gangetic West Bengal. Heavy rain at isolated places likely over Odisha.
- 18 March (Day 5): Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Gangetic West Bengal and Odisha.
- The weather outlook for the period of seven days *i.e* 14 to 21 March 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Himachal Pradesh, West Rajasthan, Haryana, Chandigarh & Delhi, Bihar, Jharkhand, East Madhya Pradesh and Vidarbha. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

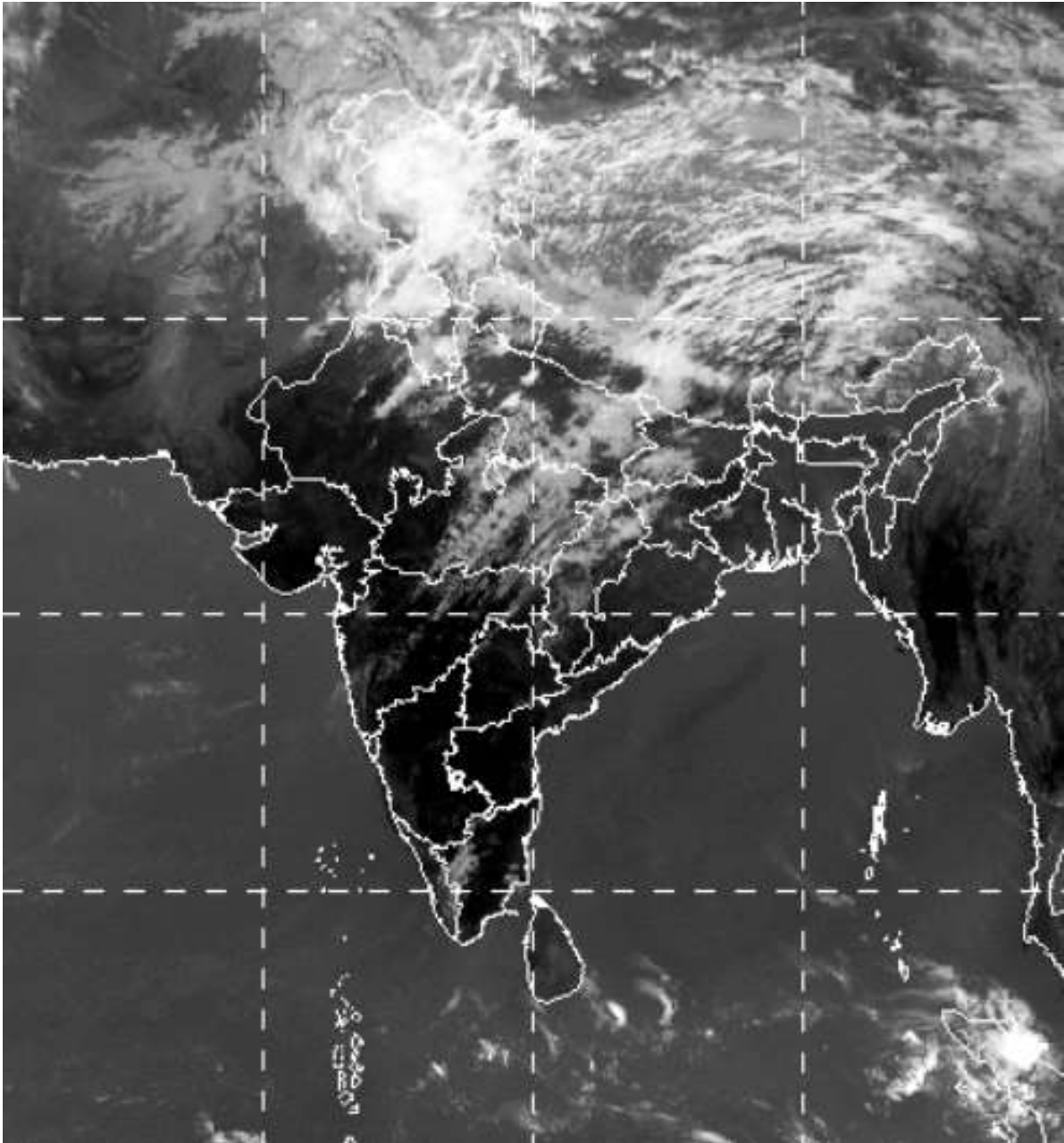
Jharkhand

Weather condition:

Dry weather prevailed in Jharkhand state during past few days.

Contingency measure:

- summer Rice: To control weeds in the field, use conoweeder after 25-30 days of transplanting. Conoweeder not only destroys the weeds but also increases soil aeration, which ultimately helps in emergence of more and more tillers from the plant. Broadcast urea in crop only after weeding.
- Wheat: If ear head affected with loose smut disease (in which ear head appears black and does not bear any grain) and the weed Phalaris minor (Genhu ka mama) appears in the field, destroy them carefully after hand picking and burning. This operation is essential for those who will use this crop produce as seed during next year.
- Vegetable: Those cucurbitaceous vegetables had achieved vigorous growth needs support of bamboo or any other woody material, so that leaves and fruits of the plant remain untouched with soil. After digging of potato farmers may proceed for summer vegetable cultivation if having assured irrigation facility.
- Fish Rearing: Some small ponds dried away completely in April month. Hence, farmers are advised to sell the fishes of such type of ponds as soon as possible. Now the temperature is rising continuously which is favourable conditions for growth of fishes. Hence, add cow dung and lime in the pond as natural foods for them and alternative feeds may also be added like Rice Bran and Mustard cake (each of 5 kg per day per acre area of pond).
- Goat: If the symptoms of pneumonia or C.C.P.P. disease (secretion of water from nose, high body temperature, not showing interest even in feeding or drinking water etc.) appears, may vaccinated immediately with Enroflxacyl. (1 c.c. for kid animals and 2 c.c. for adult animals) at least 3 times.



**Figure: 1. Latest available satellite picture as on 14 March 2019 at 0230 Hrs (IST).
(Source: IMD).**

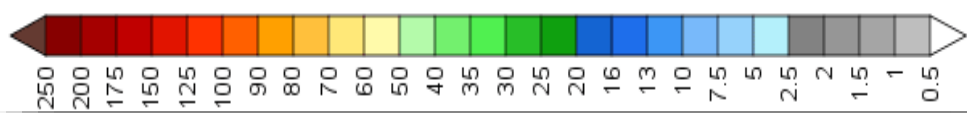
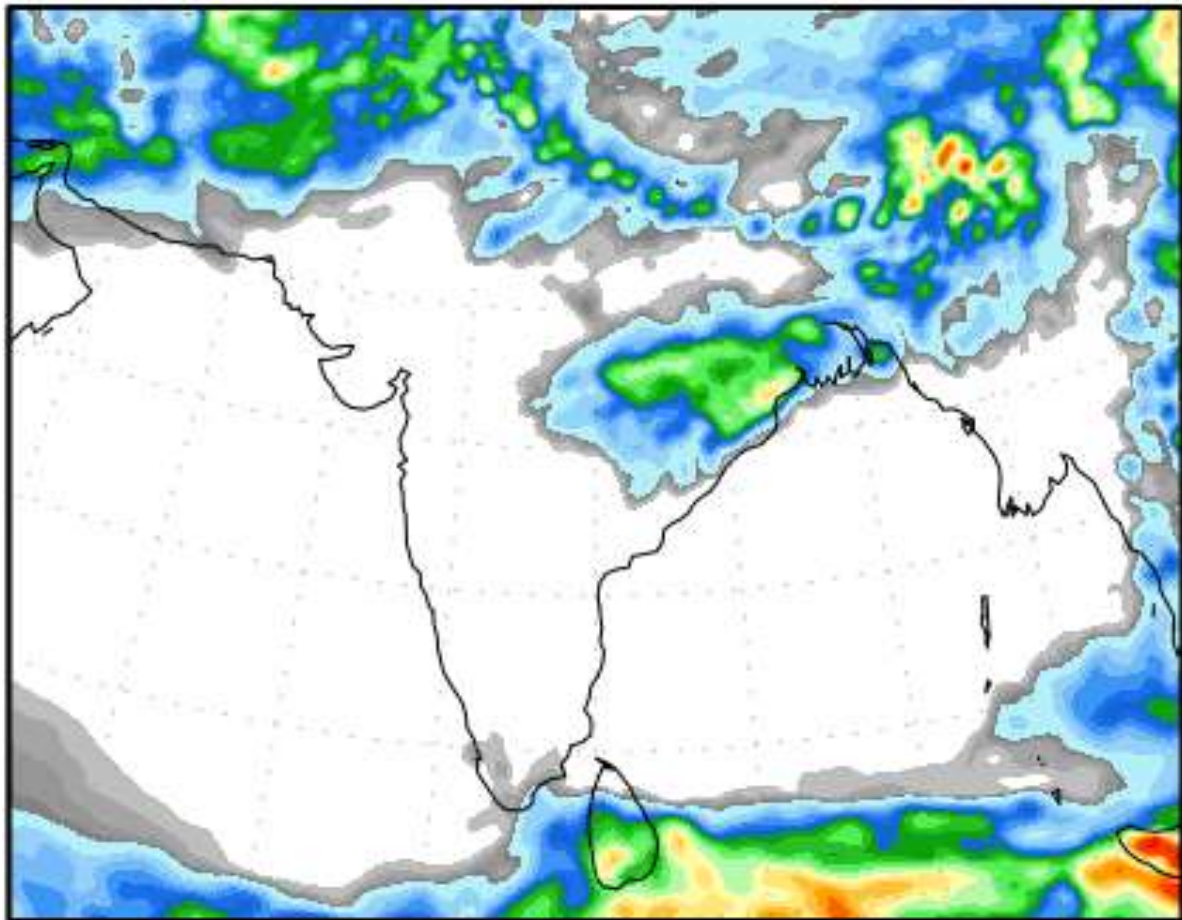


Figure: 2. Precipitation forecast for 14 to 21 March 2019 (Source: NOAA NCEP).