

# **All India Coordinated Research Project on Agrometeorology**

## **CRIDA, Santoshnagar, Hyderabad – 500 059**

### **Daily Crop Weather Information as on 01 February 2019**

**Attention: Rajiv Maheshwari, OSD, ICAR**

#### **Significant Weather Features (IMD)**

- The Western Disturbance along with its induced cyclonic circulation is likely to cause scattered to fairly widespread rain/snow over western Himalayan region and isolated rain/thundershowers over plains of northwest India today.
- Dense to very dense fog at isolated places is very likely over northwest India on 2nd & 3rd February after the passage of the western disturbance.
- A fresh western disturbance is likely to affect western Himalayan region and adjoining plains of northwest India from 4th February. This system is likely to cause fairly widespread to widespread rain/snow over western Himalayan region and scattered to fairly widespread rainfall over northern plains during 5th-7th February.
- Cold wave to severe cold wave conditions prevailed in isolated parts over Odisha, Gangetic West Bengal and Vidarbha, Saurashtra & Kutch, East Rajasthan, East Madhya Pradesh, Chhattisgarh and Telangana.
- The images showing the latest satellite picture in figure. 1.

#### **Main Weather Observations (IMD)**

- Rain/Snow observed (from 0830 hrs IST of yesterday to 0830 hrs IST of today): Rain/snow occurred at most places over Jammu & Kashmir and Himachal Pradesh; at isolated places over Uttarakhand. Rain/thundershowers observed (from 0830 hrs IST of yesterday to 0830 hrs IST of today): Rain/thundershowers observed at isolated places over West Rajasthan, East Uttar Pradesh, Tamilnadu and Punjab.
- Dense to very dense fog observed at isolated places over West Rajasthan; Moderate fog at isolated places over Jammu & Kashmir at 0830 hours IST of today. Visibility: Ganganagar & Churu- 25 M each; Batote- 200 M; Kupwara, Banihal and Bikaner- 500 M each.
- Maximum temperature departures as on 31.01.2019: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Sub- Himalayan West Bengal & Sikkim; at a few places over Arunachal Pradesh, Assam & Meghalaya, Coastal

Karnataka and Kerala and at isolated places over Konkan & Goa. They were markedly below normal (- 5.1 or less) at many places over Jammu & Kashmir and at isolated places over Himachal Pradesh and Punjab; appreciably below normal (-3.1°C to -5.0°C) at many places over Haryana, Chandigarh & Delhi; at a few places over West Rajasthan and at isolated places over Gangetic West Bengal; below normal (-1.6°C to -3.0°C) at most places over Coastal Andhra Pradesh, Telangana, Rayalaseema; at many places over North Interior Karnataka; at a few places over Uttar Pradesh and at isolated places over Madhya Maharashtra, Marathwada, Vidarbha and Andaman & Nicobar Islands and near normal over rest parts of the country.

- Yesterday, the highest maximum temperatures of 35.7°C was recorded at Thiruvananthapuram (Kerala) over the plains of the country.
- Minimum temperature departures as on 01.02.2019: Minimum temperatures are markedly below normal (- 5.1 or less) at many places over Odisha; appreciably below normal (-3.1°C to -5.0°C) at many places over Gangetic West Bengal; at a few places over East Madhya Pradesh and Vidarbha and below normal (-1.6°C to -3.0°C) at isolated places over Coastal Andhra Pradesh, Interior Karnataka, Madhya Maharashtra, Marathwada, West Madhya Pradesh and Chhattisgarh. They are above normal (1.6°C to 3.0°C) at a few places over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh, Rajasthan and Kerala and at isolated places over Jammu & Kashmir, Saurashtra & Kutch and Assam & Meghalaya and near normal over rest parts of the country.
- The lowest minimum temperature of 3.6°C is recorded at Mandla (East Madhya Pradesh) over the plains of the country.

#### **Weather Warning during next 5 days (IMD)**

- 01 February (Day 1): Dense to very dense fog at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and West Uttar Pradesh and Dense fog very likely at isolated places over northwest Madhya Pradesh. Cold wave conditions in isolated pockets very likely over Odisha and Gujarat State.
- 02 February (Day 2): Dense to very dense fog at isolated places over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and West Uttar Pradesh. Cold wave conditions in isolated pockets very likely over Gujarat State.
- 03 February (Day 3): Dense fog at isolated places over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and West Uttar Pradesh
- 04 February (Day 4): No weather warning.

- 05 February (Day 5): No weather warning.
- The weather outlook for the period of seven days *i.e* 01 to 08 February 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, Uttarakhand, West Rajasthan, Punjab, East Uttar Pradesh and Tamil Nadu. (Fig. 2).

## **Agricultural activities (AICRPAM-CRIDA)**

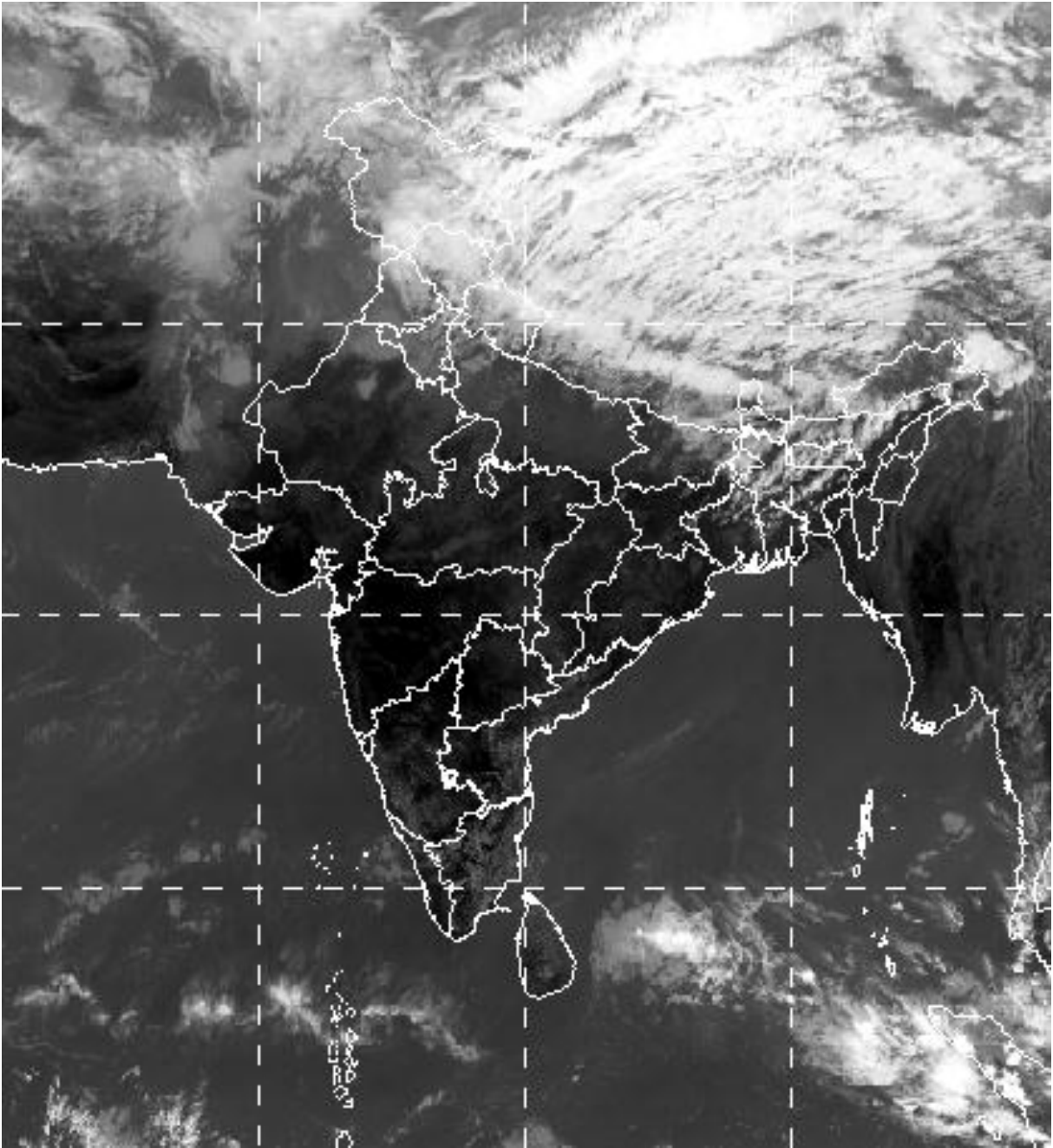
### **West Bengal**

#### **Weather condition:**

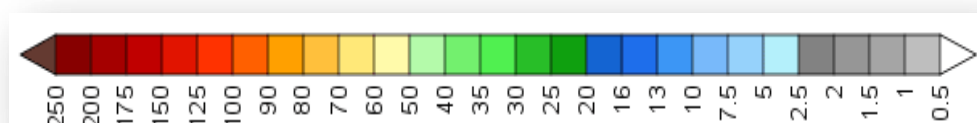
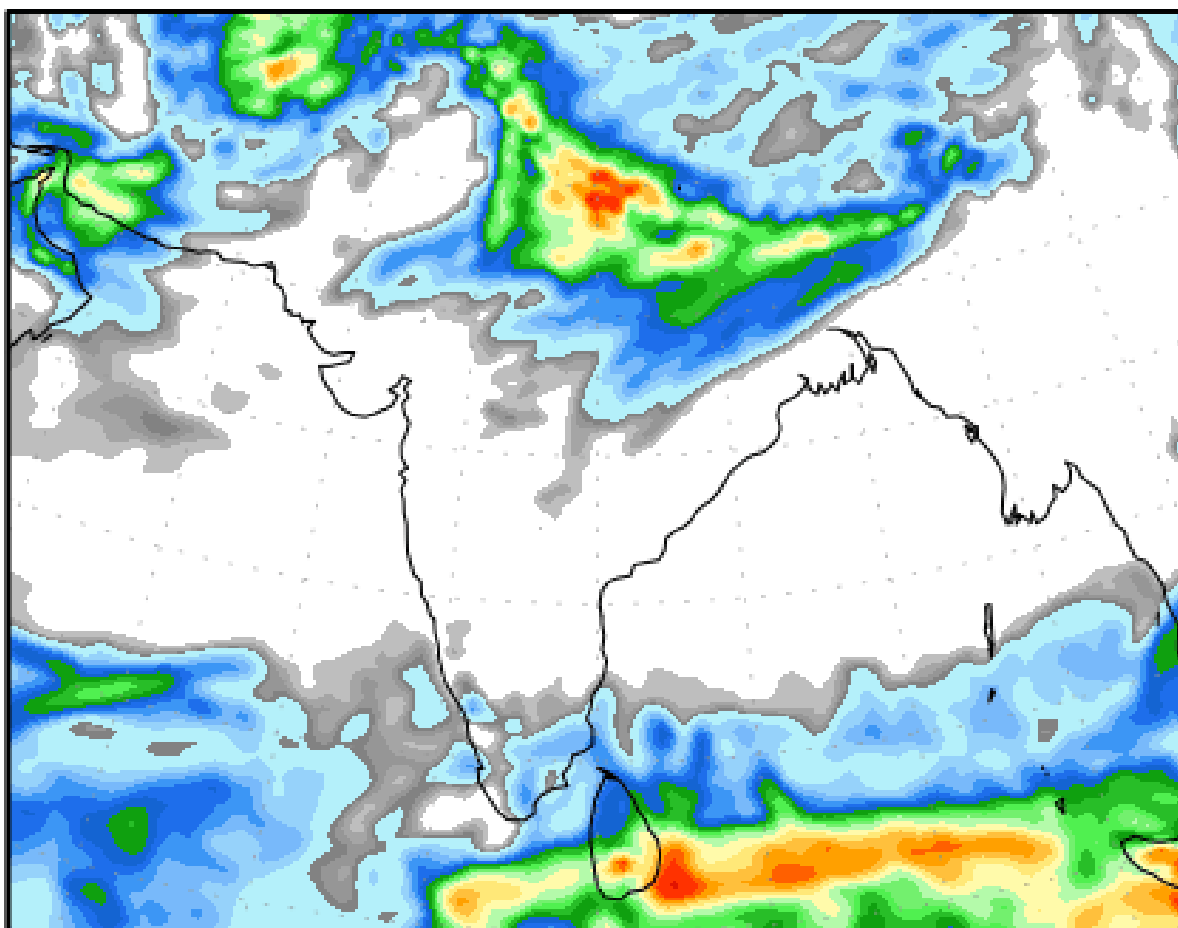
Dry weather prevailed in West Bengal state during past few days. Maximum temperature ranged from 26.0 to 28.4°C and minimum temperatures ranged from 10.0 to 16.5°C.

#### **Contingency measure:**

- Boro-rice: Start transplanting after doing proper field preparation.
- Potato: In the present situation (cloudy and warm), late blight may appear. keep vigilance. Apply Mancozeb @ 4.0 gm per litre of water to control this.
- Pulse crop: Light irrigation should be given as the crops are in flowering stage.



**Figure: 1. Latest available satellite picture as on 01 February 2019 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 01 to 08 February 2019 (Source: NOAA NCEP).**