

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

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

### **Daily Crop Weather Information as on 09 March 2018**

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

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

- The present western disturbance is likely to move away northeastwards during next 24 hours. A fresh western disturbance is likely to cause scattered to wide spread precipitation with isolated Thundersquall and hailstorm over Jammu division and Himachal Pradesh on 12th/13th march.
- An easterly waves is likely to cause squally weather over parts of Gulf of Manner and Comorin area during next 48 hours.
- Thunderstorm occurred at isolated places over Vidharbha and Chhattisgarh at 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 isolated places over Jammu & Kashmir, East Madhya Pradesh, Sub Himalayan West Bengal & Sikkim and Andaman & Nicobar Islands.
- Maximum temperature departures as on 08.03.2018: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir; at a few places over Himachal Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over Rajasthan; at many places over Punjab and Arunachal Pradesh; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi and Gujarat; at many places over east Rajasthan, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at a few places over West Madhya Pradesh, Konkan & Goa, Kerala and Andaman & Nicobar Islands; at isolated places over West Madhya Pradesh, West Uttar Pradesh, Madhya Maharashtra, Odisha, Telangana, Rayalaseema, Interior Karnataka and Tamilnadu & Puducherry. They were markedly below normal (5.1°C or less) at many places over East Madhya Pradesh; below normal (1.6°C to 3.0°C) at isolated places over Chhattisgarh, Jharkhand and Vidharbha, West Madhya Pradesh and near normal over rest parts of the country. yesterday,
- The highest maximum temperature of 40.7°C are recorded at Bhira (Konkan) over the country.

- Minimum temperature departures as on 09.03.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at most places over West Rajasthan; at many places over Punjab; above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir, East Rajasthan and Vidarbha; at many places over West Madhya Pradesh, Gujarat and Sub Himalayan West Bengal & Sikkim, at a few places over Madhya Maharashtra, Marathwada and Andaman & Nicobar Islands and at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, Chhattisgarh and Kerala, They are below normal (1.6°C to 3.0°C) at a few places over south Interior Karnataka and Tamilnadu & Puducherry and at isolated places over East Madhya Pradesh, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Rayalaseema and near normal over rest parts of the country.
- The lowest minimum temperature of 8.7°C recorded at Amritsar (Punjab) in the plains of the country.

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

- 09 March (Day 1): Winds speed reaching 30-40 kmph likely to occurred occasionally over Gulf of Manner and Comorin area. Fishermen are advices to be cautious while venture into the sea over these area.
- 10 March (Day 2): Winds speed reaching 30-40 kmph likely to occurred occasionally over Gulf of Manner and Comorin area. Fishermen are advices to be cautious while venture into the sea over these area.
- 11 March (Day 3): No weather warning.
- 12 March (Day 4): Thundersquall with hail likely at isolated places over Jammu division of Jammu & Kashmir. Thunderstorm accompanied with gusty winds likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 13 March (Day 5): Thundersquall with hail likely at isolated places over Jammu division of Jammu & Kashmir and Himachal Pradesh. Thunderstorm accompanied with gusty winds likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- The weather outlook for the period of seven days *i.e* 09 March to 17 March 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, East Madhya Pradesh, Sub Himalayan West Bengal & Sikkim and Andaman & Nicobar Islands. (Fig. 2).

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

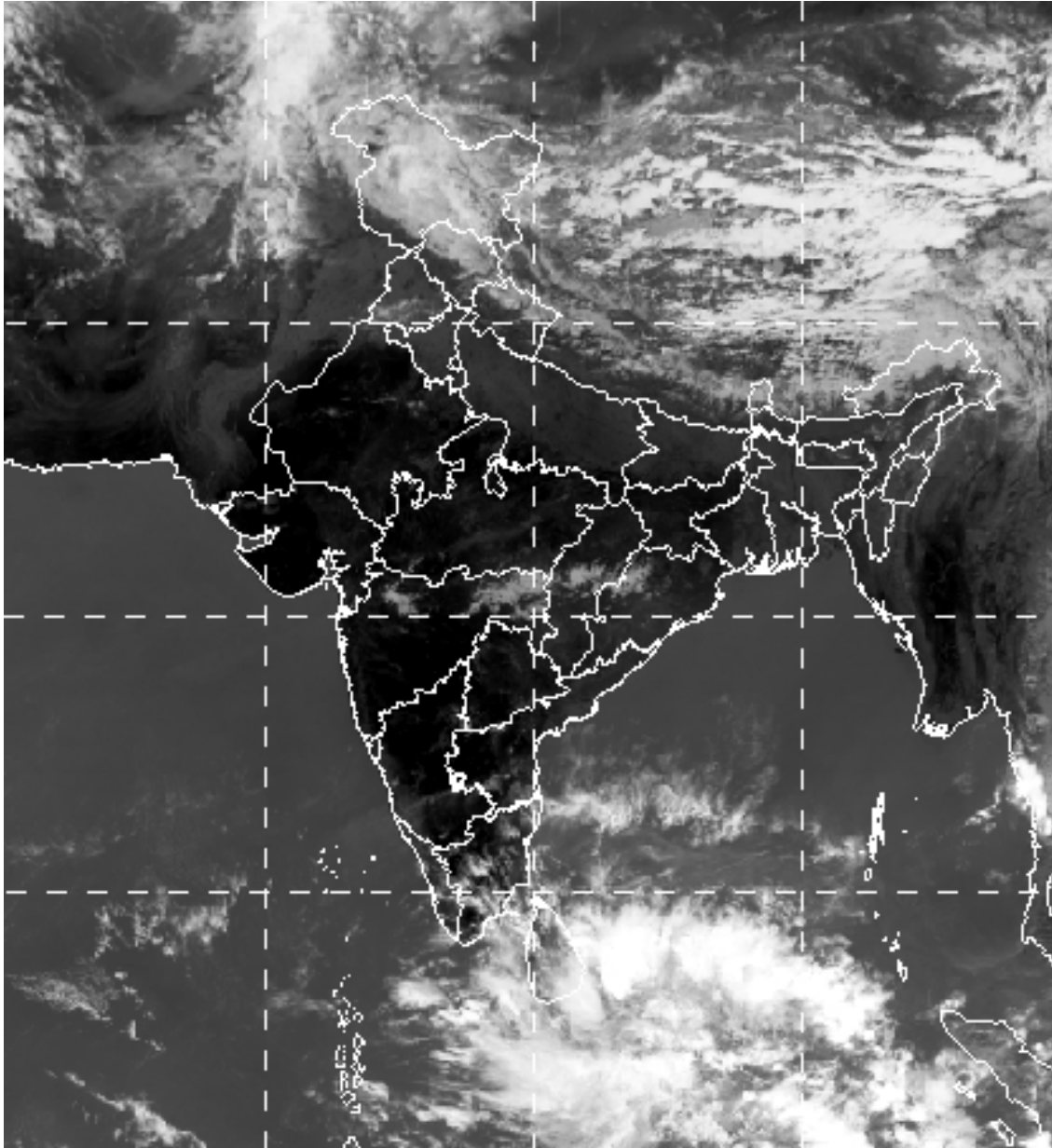
### **Himachal Pradesh**

#### **Weather condition**

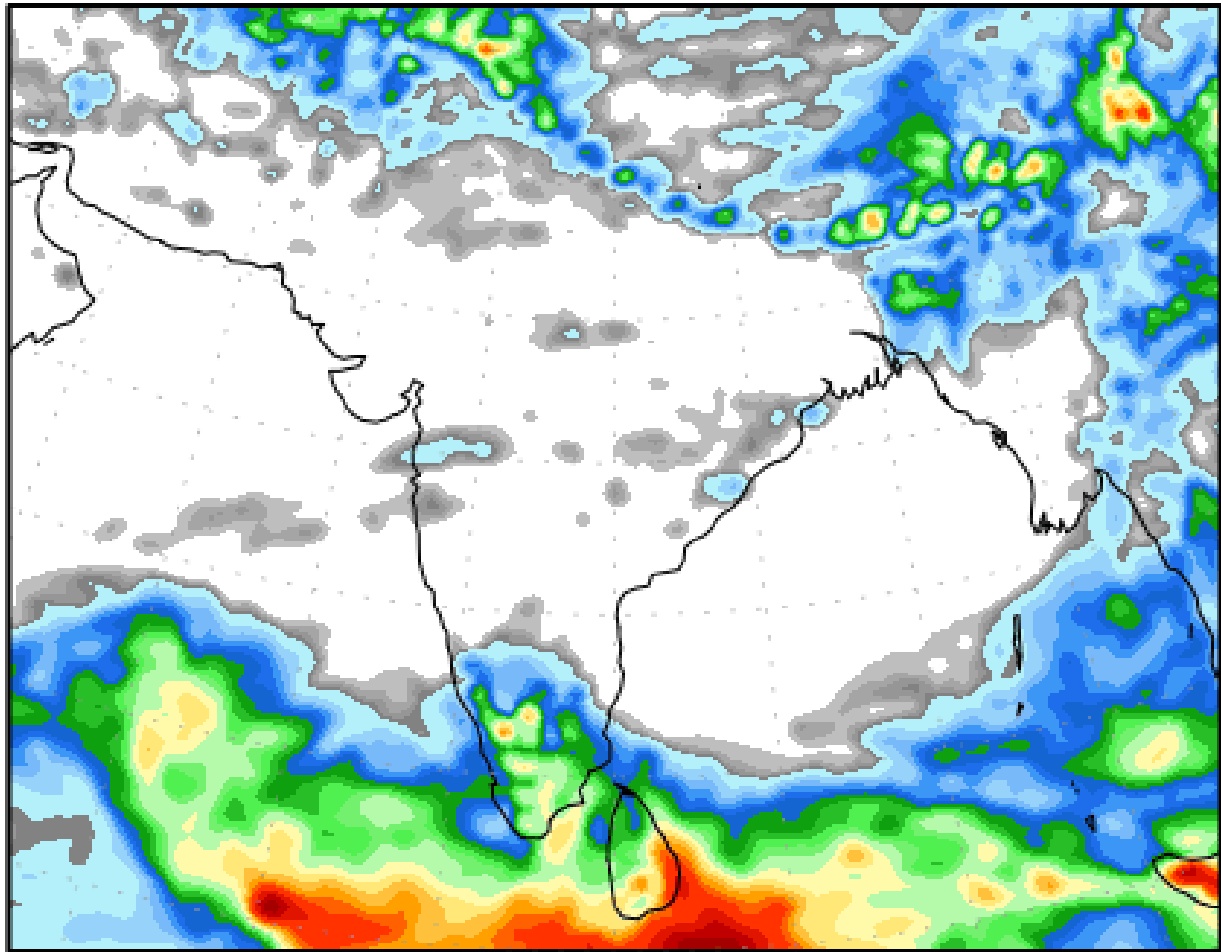
Light rainfall received in Himachal Pradesh state during past few days. The maximum temperature ranged between 20.5 to 23.5°C and the minimum between 8.5 to 13.5 °C which remained above normal by 2.6 to 5.2 °C and 0.1 to 5.1°C, respectively.

#### **Contingency measure:**

- Weather is conducive for attack of stored grains pests like rice weevil, lesser grain borer and rice moth. In grain store bins put one pouch of celhpos (3g) or quickphos (12g) or Fumino pouch in a wet cloth in the middle of bin and keep the bin airtight. Keeping in view of weather, farmers are advised for monitoring of mustard crop against aphid attack.
- For control of aphid in mustard crop, if insect population above ETL than spraying of Rogor or Quinalphos @ 2.0 ml/litre water. In wheat crop, if symptoms of termite appear than application of mixture of 20 kg sand with Chlorpyrifos 20 EC @ 2.0 litre should be done in evening hours and subsequent irrigation is recommended. In areas where symptoms of yellow rust are appearing in the wheat crop in the form of yellow powder/stripes on the leaves, then the farmers are advised to spray the fungicides with the appearance of the symptoms. These are tilt (Propiconazole) 25 EC/folicure (Tebuconazole) 25 EC/bayletan 25 WP @0.1% i.e. 30ml or 30 g per 30 litres of water per kanal and repeat the spray after 15 days interval. This treatment also provides protection against powdery mildew and Karnal bunt disease, beside rust. Keeping in view of relative humidity farmers are advised for monitoring of mustard crop against attack of white rust. If infection is high than spraying of Dithane-M-45 @ 2 gram/ litre of water or Chlorothalonil 75 WP @1 gram/ litre of water is advised.



**Figure: 1. Latest available satellite picture as on 09 March 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 09 March to 17 March 2018 (Source: NOAA NCEP).**