

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

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

### **Daily Crop Weather Information as on 06 March 2018**

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

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

- The Western Disturbance over eastern parts of Jammu & Kashmir has moved eastwards and the remnant Western Disturbance as a trough in mid & upper tropospheric westerlies roughly runs along Long. 89°E to the north of Lat. 28°N. Under the influence of the above systems, thunderstorm accompanied with gusty winds very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya during next 24 hours.
- Thunderstorm observed at isolated places over Assam & Meghalaya from 0230 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): Rain recorded at many places over Sub Himalayan West Bengal; at a few places over Jammu & Kashmir, Jharkhand, Gangetic West Bengal, East Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya and at isolated places over Himachal Pradesh, Uttarakhand, Chhattisgarh and Nagaland, Manipur, Mizoram & Tripura.
- Maximum temperature departures as on 05.03.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Jammu & Kashmir, East Madhya Pradesh and Odisha; at a few places Punjab, Vidarbha and East Uttar Pradesh; at isolated places over Himachal Pradesh; above normal (1.6°C to 3.0°C) at most places over Gangetic West Bengal; at many places over West Madhya Pradesh, West Uttar Pradesh and Coastal Karnataka; at a few places over Rajasthan, Gujarat, Bihar, Chhattisgarh, Konkan & Goa, Telangana, Rayalaseema, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Tamilnadu & Puducherry, Coastal Andhra Pradesh, South Interior Karnataka, Kerala and Andaman & Nicobar Islands; at isolated places over Marathwada, North Interior Karnataka, Lakshadweep. They were below normal (1.6°C to 3.0°C) at a few places over Arunachal Pradesh rest of Assam & Meghalaya and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 40.0°C recorded at Bhira (Konkan & Goa) over the plains of the country.

- Minimum temperature departures as on 06.03.2018: Minimum temperatures are appreciably below normal (3.1°C to 5.0°C) at many places over Telangana; at a few places over Tamilnadu & Puducherry; below normal (1.6°C to 3.0°C) at many places over Interior Karnataka and Coastal Andhra Pradesh. They are appreciably above normal (3.1°C to 5.0°C) at many places over Rajasthan; at a few places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Madhya Maharashtra, Marathwada, East Uttar Pradesh, Haryana, Chandigarh & Delhi; at isolated places over Gangetic West Bengal, Odisha, Punjab, Gujarat and Konkan & Goa; above normal (1.6°C to 3.0°C) at many places over Vidarbha and at many places over Madhya Pradesh, Bihar and West Uttar Pradesh and near normal over rest parts of the country.
- The lowest minimum temperature of 8.0°C is recorded at Adampur (Punjab) in the plains of the country.

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

- 06 March (Day 1): Thunderstorm accompanied with gusty winds very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- 07 March (Day 2): No weather warning.
- 08 March (Day 3): Thunderstorm accompanied with hailstorm likely at isolated places over north Vidarbha.
- 09 March (Day 4): Thunderstorm accompanied with hailstorm likely at isolated places over north Vidarbha and Chhattisgarh.
- 10 March (Day 5): Thunderstorm accompanied with hailstorm likely at isolated places over north Vidarbha and Chhattisgarh.
- The weather outlook for the period of seven days *i.e* 06 March to 14 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, Himachal Pradesh, Uttarakhand, Sub Himalayan West Bengal, Gangetic West Bengal, Jharkhand, East Madhya Pradesh, Chhattisgarh and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

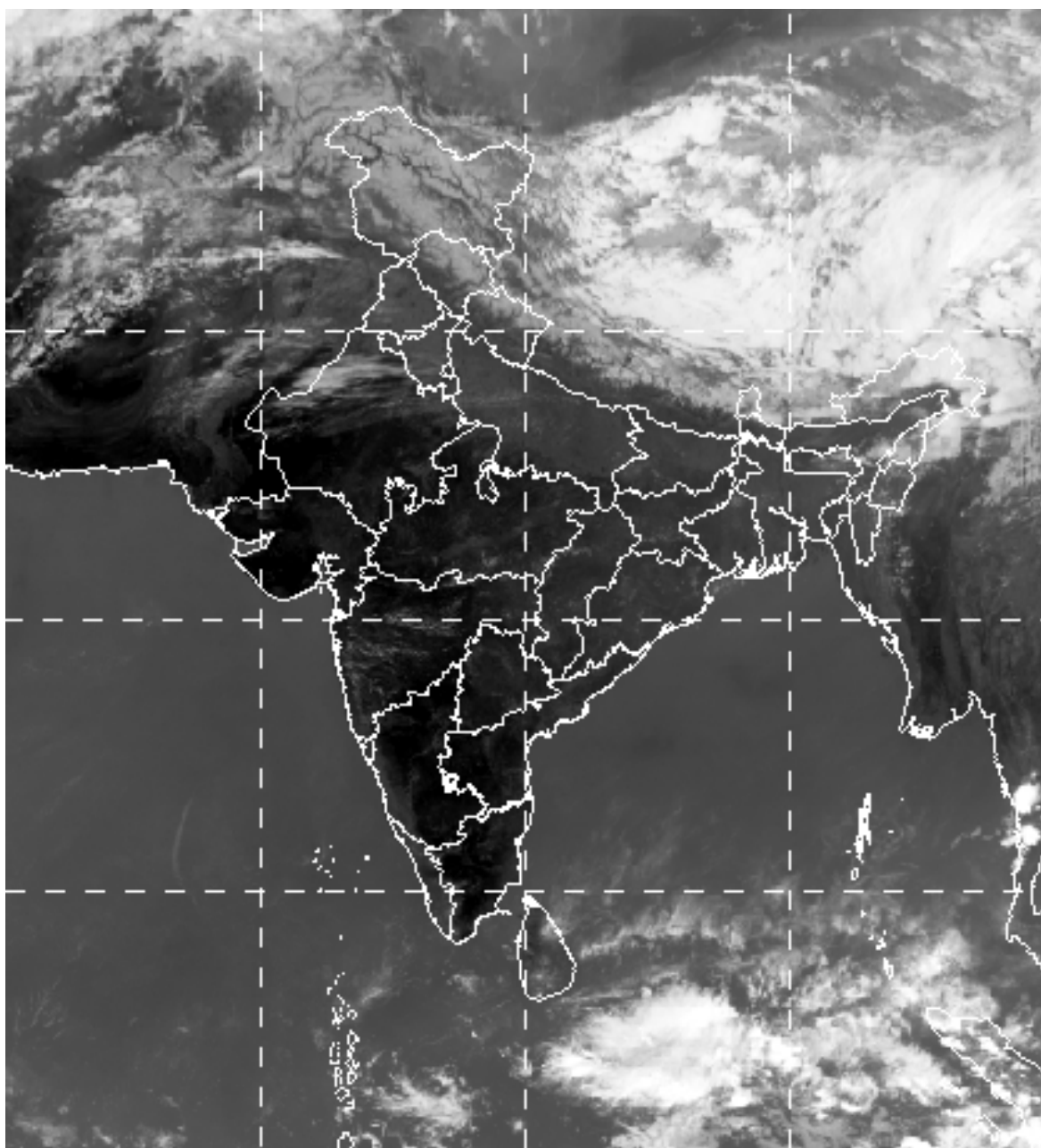
### **Jharkhand**

#### **Weather condition**

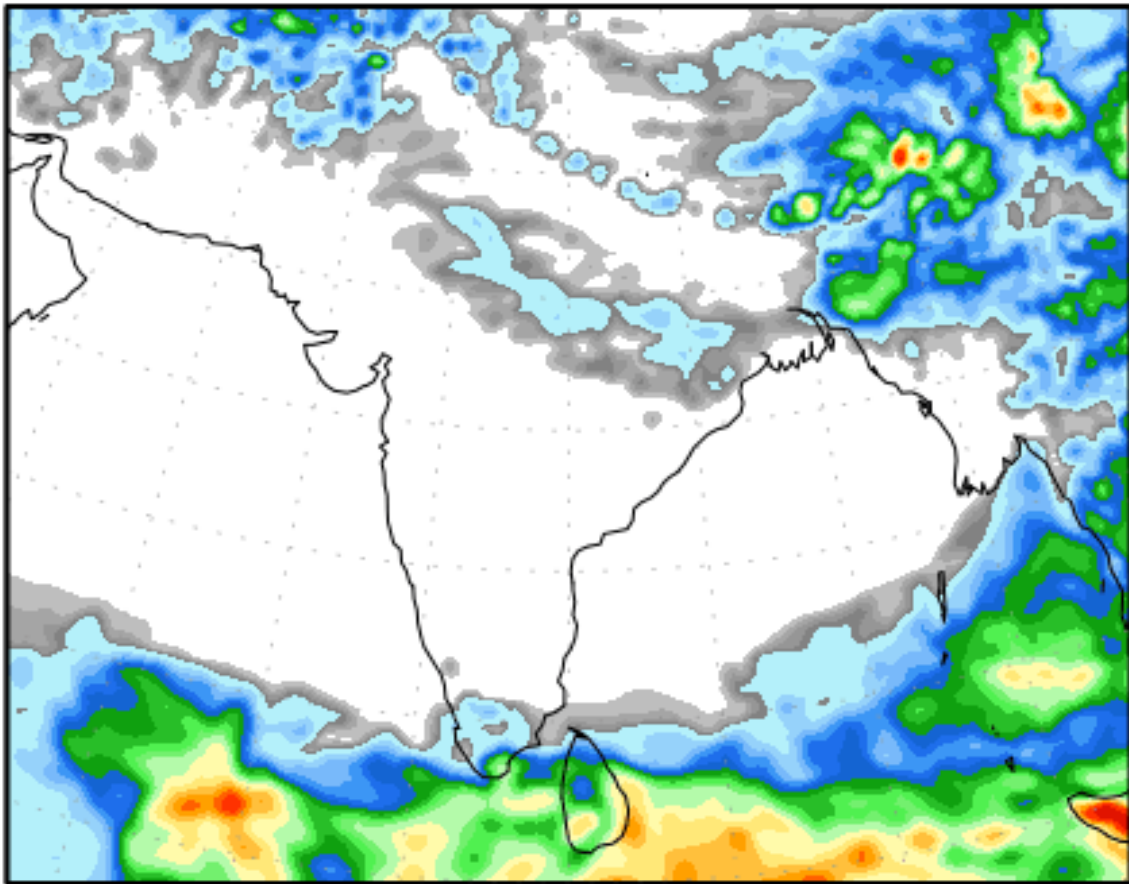
Mainly dry weather prevailed in Jharkhand state during past few days. Daily maximum and minimum temperature ranged from 27.3 to 32.4°C and 10.8 to 14.3 °C, respectively and their normal value is 27.8 to 12.3 °C which was moderately lesser than the normal.

#### **Contingency measure:**

- Summer Rice: Farmers, who have already completed the transplanting, must maintain water level in the field and broadcast Blue Green algae @ 4 kg per acre after 15 days of transplanting. This Blue Green Algae is a Biofertilizer and farmers may curtle about 15 kg of urea per acre at the time of broadcasting. This BGA is available in the department of Soil Science of Birsa Agricultural University, Kanke, Ranchi.
- Wheat : Most of the crops are at grain filling / hardening stage and this stage is sensitive of moisture stress. Hence, irrigate the field as per the status of soil moisture. If ear head affected with loose smut disease (in which ear head appears black and does not bear any grain) and the weed Phlaris minor (Genhu ka mama) appears in the field, destroy them carefully after hand picking and burning.
- Moong (Green gram): Farmers having at least 1 - 2 irrigation facility may proceed for moong cultivation after harvesting of rabi crops. Select improved variety of moong S.M.L.- 668 and sow the seed rate @ 12 kg per acre. Before sowing, seed must be treated with Rhizobium culture.
- Vegetable: Spray bio-insecticide (Halt/Delphin/Biolape) @ 1.5 gm per liter of water in tomato and brinjal to control fruit borer and in cauliflower and cabbage to control white fly. Spray neem based insecticide (Neemerin/Neemetin/Neemesidin/Achook) @ 5 ml per liter of water at an interval of 10 days in cucurbitaceous plants to control pumpkin beetle.
- Fish Rearing: Now the temperature is increasing day by day and it will favor the growth of fishes. Hence, add cow dung and lime in the pond as a natural foods for fishes and alternative feeds may also be used 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 06 March 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 06 March to 14 March 2018 (Source: NOAA NCEP).**