

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

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

### **Daily Crop Weather Information as on 28 March 2018**

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

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

- Heat wave conditions are likely to prevail over some parts of Uttarakhand, Himachal Pradesh during next 2 days. They are likely to occur over some parts of Saurashtra, east Vidarbha and Telangana on 30th & 31st March.
- Favorable conditions for the occurrence of Thundersqualls and isolated heavy rainfall are likely to develop over parts of eastern India including West Bengal, Bihar, Jharkhand, Odisha, Assam & Meghalaya and Mizoram & Tripura during 29th-31st March.
- Yesterday, heat wave conditions prevailed over some parts of Himachal Pradesh, Uttarakhand and West Rajasthan.
- 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/thundershowers observed at isolated places over Assam & Meghalaya, Mizoram, Tamilnadu & Puducherry, Kerala and Andaman & Nicobar Islands. Amount of Rainfall recorded at 0830 hours IST of today ( 1 cm or more): Port Blair<sup>3</sup>; Aijal<sup>2</sup> and Lengpui & Alapuzha<sup>1</sup> each.
- Maximum temperature departures as on 27/03/2018: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir and Himachal Pradesh; at a few places over West Rajasthan and Haryana, Chandigarh & Delhi; appreciably above normal (3.1°C to 5.0°C) at most places over Punjab, East Rajasthan and Uttarakhand; at many places over Saurashtra & Kutch; at a few places over West Uttar Pradesh; at isolated places over Madhya Pradesh and Gujarat region; above normal (1.6°C to 3.0°C) at most places over Vidarbha; at many places over Jharkhand; at a few places over East Uttar Pradesh, Madhya Maharashtra and Odisha; at isolated places over Gangetic West Bengal, Konkan & Goa, Telangana, Marathwada, Tamilnadu and Kerala. They were below normal (1.6° C to 3.0° C) at a few places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Arunachal Pradesh and near normal over the rest of the country. Yesterday, the highest maximum temperature of 41.6°C was recorded at Akola (Vidarbha) over the country.

- Minimum temperature departures as on 28032018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir and Himachal Pradesh; above normal (1.6°C to 3.0°C) at most places over West Rajasthan; at many places over Uttarakhand and Gangetic West Bengal; at a few places over Punjab, Saurashtra & Kutch, Konkan & Goa, SubHimalayan West Bengal & Sikkim, Bihar and Tamilnadu & Puducherry; at isolated places over Haryana, Chandigarh & Delhi, West Madhya Pradesh and Madhya Maharashtra. They are appreciably above normal (3.1° C to 5.0° C) at a few places over interior Odisha; below normal (1.6° C to 3.0° C) at many places over Chhattisgarh; at a few places over East Madhya Pradesh and Vidarbha; at isolated places over Gujarat region, East Assam and Arunachal Pradesh and near normal over rest of the country. The lowest minimum temperature 12.4°C recorded at Phulbani (Odisha) over the plains of the country.

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

- 28 March (Day 1): Thunderstorm accompanied with gusty winds very likely at isolated places over SubHimalayan West Bengal & Sikkim, Assam & Meghalaya and Mizoram & Tripura. Heat wave conditions very likely over some parts of Uttarakhand and Himachal Pradesh with severe heat wave conditions at one or two pockets.
- 29 March (Day 2): Thunderstorm accompanied with hail and squall very likely at isolated places over SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds very likely at isolated places over Gangetic West Bengal, Assam & Meghalaya and Mizoram & Tripura. Heat wave conditions very likely over some parts of Himachal Pradesh and Uttarakhand.
- 30 March (Day 3): Heavy rain very likely at isolated places over SubHimalayan West Bengal & Sikkim and west Assam & Meghalaya. Thunderstorm accompanied with Hail and squall very likely at isolated places over Jharkhand. Thunderstorm accompanied with squall very likely at isolated places over Bihar, Odisha, Gangetic West Bengal, Assam & Meghalaya and Tripura. Heat wave conditions likely over some parts of Saurashtra, east Vidarbha and Telangana.
- 31 March (Day 4): Heavy rain likely at isolated places over Gangetic West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over north Coastal Andhra Pradesh. Thunderstorm accompanied with squall very likely at isolated places over Bihar, Jharkhand, Odisha and Gangetic West Bengal. Heat wave conditions likely over some parts of Saurashtra, east Vidarbha and Telangana.
- 01 April (Day 5): Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha and north Coastal Andhra Pradesh.
- The weather outlook for the period of seven days *i.e* 24 March to 01 April 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, Punjab, West Rajasthan, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh and Kerala. (Fig. 2).

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

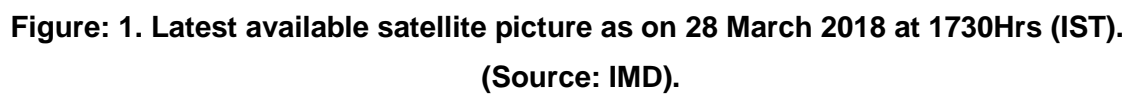
### **Gujarat**

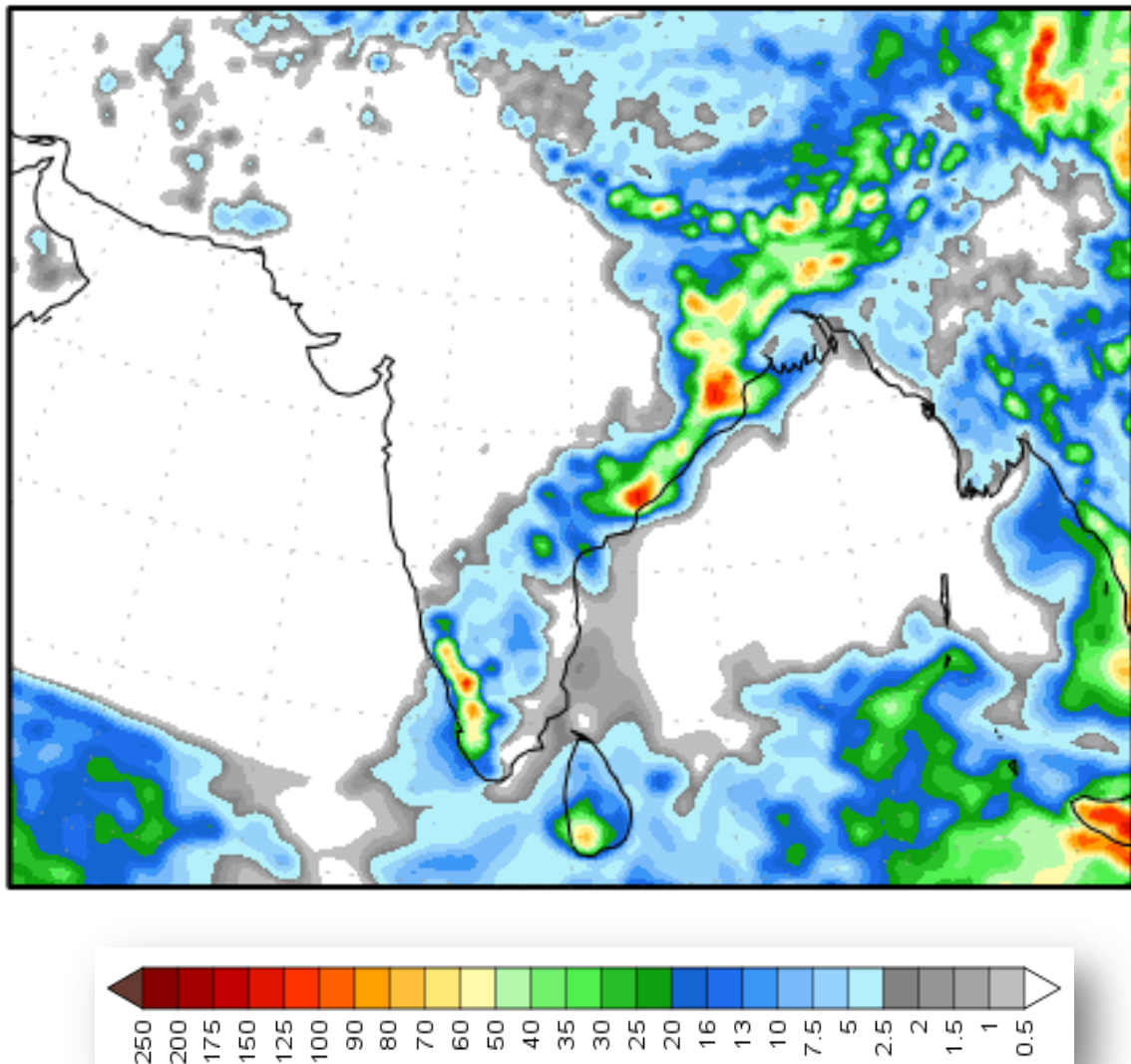
#### **Weather condition**

Mainly dry weather prevailed in Gujarat state during past few days.

#### **Contingency measure:**

- Complete the sowing of summer pearl millet. Select the variety like MH-169, GHB-526, GHB-558 and GHB-538 using seed rate 4 kg/ha.
- Summer Green gram Select variety like K-851, Gujarat moong-2, Gujarat moong-3, Pusa baisakhi and sowing @ seed rate 20-25 kg/ha. Apply 20 kg Nitrogen and 40 kg P<sub>2</sub>O<sub>5</sub>/ha as basal. Done weeding in early sowing summer green gram.
- Maize: maturity: harvest mature cob and store in safe place. CASTOR: Maturity: Harvest the matured spike in early morning hours and stored in safe place. Carry out sowing of okra, cluster bean and cowpea for summer season
- vegetables. Transplant brinjal seedling during evening hours.
- Banana : Use of wheat straw as a mulch material (12.5 kg/plant) in banana orchards is useful in increasing the bunch weight and conservation of soil moisture. Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remain clear.
- Cattle: Keep indoor at night time. Give dry fodder twice a day. Normal water given for drinking.





**Figure: 2. Precipitation forecast for 28 March to 05 April 2018 (Source: NOAA NCEP).**