

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 03 March 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Under the influence of the current western disturbance, fairly widespread to widespread rain/snow very likely over Western Himalayan Region during next 2 days. Isolated thunderstorm accompanied with hail also very likely over Western Himalayan region and adjoining plains on 3rd & 4th March. Isolated thunderstorm accompanied with hail very likely over northeastern States on 3rd March.
- Confluence of moist winds and presence of upper level divergence is likely to cause isolated thunderstorm/squall/hailstorm over parts of Gangetic West Bengal & Jharkhand on 5th March and over Central India during 7th to 11th March.
- Thunderstorm observed at isolated places over Jammu division of Jammu & Kashmir, Sub Himalayan West Bengal & Sikkim and Assam & Meghalaya from 1130 hours IST of yesterday 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): At most places over Jammu & Kashmir and Arunachal Pradesh. At many places over Assam & Meghalaya. At a few places over Punjab, Sikkim & Himachal Pradesh. At isolated places over north West Rajasthan and north Haryana.
- Maximum temperature departures as on 02.03.2018: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Punjab; at a few places over Madhya Pradesh & Uttarakhand; at isolated places over Himachal Pradesh and Saurashtra & Kutch; appreciably above normal (3.1°C to 5.0°C) at many places over Uttar Pradesh, Jharkhand and Vidarbha; at many places over Gangetic West Bengal, Bihar, Rajasthan and Konkan & Goa; at a few places over Haryana, Chandigarh & Delhi, Gujarat Region, Odisha and Coastal Andhra Pradesh; above normal (1.6°C to 3.0°C) at most places over Coastal Karnataka; at many places over Madhya Maharashtra & Telangana; at a few places over Marathwada, Chhattisgarh, Rayalaseema, Interior Karnataka, Tamilnadu & Puducherry and Andaman & Nicobar Islands; at isolated places over Kerala. They were appreciably below normal (3.1°C to 5.0°C) at a few places over Assam and Meghalaya and near normal over rest parts of the country.

- The highest maximum temperature of 39.5°C is recorded at Akola (Vidarbha) over the plains of the country.
- Minimum temperature departures as on 03.03.2018: Minimum temperatures are appreciably below normal (3.1°C to 5.0°C) at many places over Rayalaseema, below normal (1.6°C to 3.0°C) at many places over Coastal Andhra Pradesh, South Interior Karnataka & Kerala; at a few places over North Interior Karnataka & Tamilnadu; at isolated places over Kerala; markedly above normal (5.0°C or more) at most places over West Rajasthan; at many places over Punjab; appreciably above normal (3.1°C to 5.0°C) at most places over Haryana, Chandigarh & Delhi, Uttar Pradesh; at many places over Himachal Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; at a few places over rest Punjab, Jammu & Kashmir, East Rajasthan; at isolated places over Madhya Pradesh, Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at most places over Uttarakhand; at many places over rest Arunachal Pradesh, Madhya Pradesh, Vidarbha, rest Gujarat, Konkan & Goa, Marathawada, Madhya Maharashtra & Telangana; at a few places over rest Jammu & Kashmir, Odisha and at isolated places over Andaman & Nicobar Islands and near normal over rest parts of the country.
- The lowest minimum temperature of 9.0°C recorded at Pachmarhi (West Madhya Pradesh) in the plains of the country.

Weather Warning during next 5 days (IMD)

- 03 March (Day 1): Heavy Rain very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya. Thunderstorm accompanied with hailstorm very likely at isolated places over Jammu division of Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Punjab. Thundersquall accompanied with hailstorm very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 04 March (Day 2): Thunderstorm accompanied with hailstorm very likely at isolated places over Himachal Pradesh, Uttarakhand and Haryana & Chandigarh.
- 05 March (Day 3): Thunderstorm accompanied with squall & hailstorm very likely at isolated places over Gangetic West Bengal and Jharkhand.
- 06 March (Day 4): No weather warning.
- 07 March (Day 5): Thunderstorm accompanied with hailstorm likely at isolated places over north Madhya Maharashtra, West Madhya Pradesh and Vidarbha.
- The weather outlook for the period of seven days *i.e* 03 March to 11 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, Punjab, north Haryana Himachal Pradesh, north West Rajasthan and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

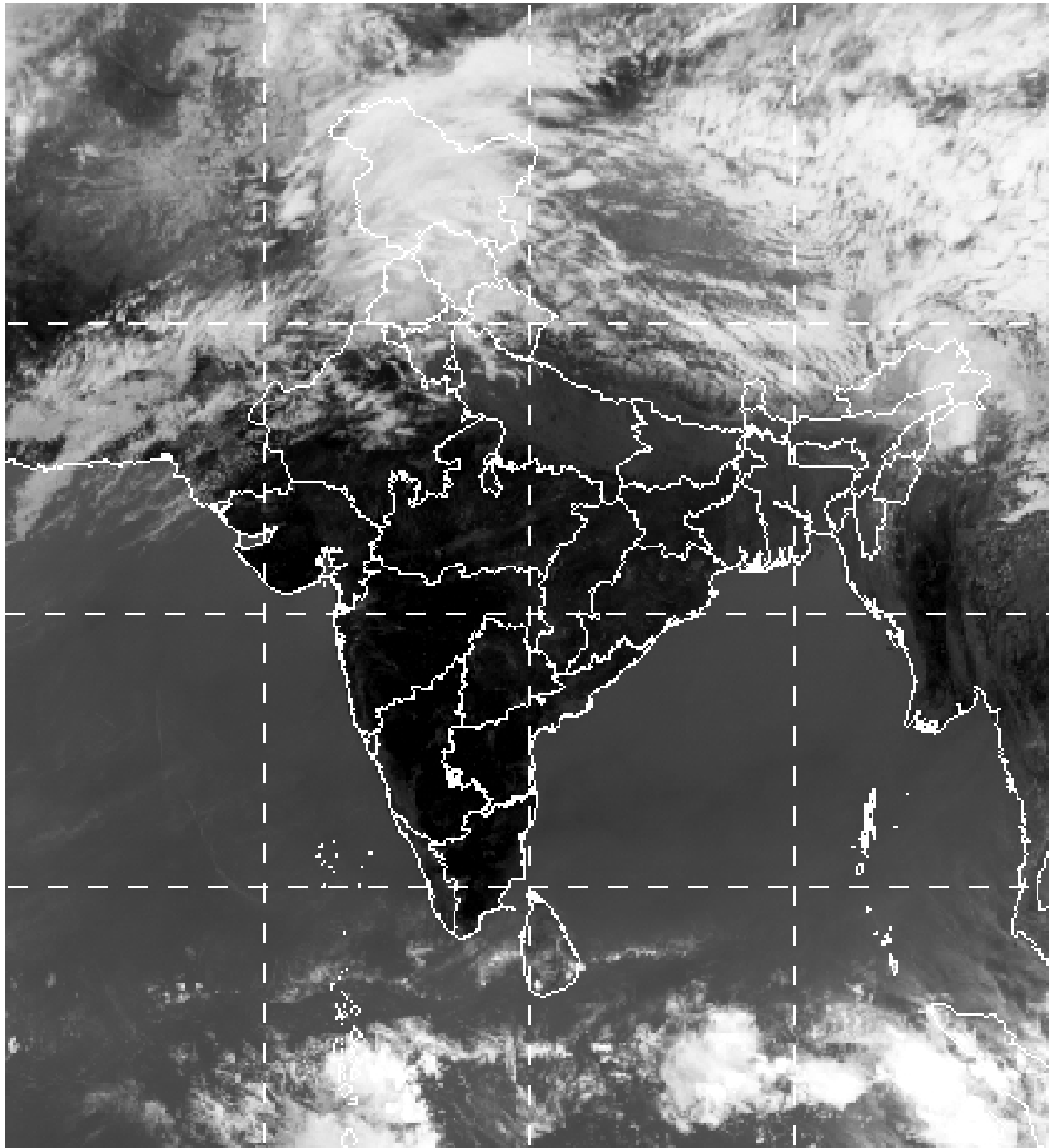
Gujarat

Weather condition

Dry weather prevailed over Gujarat state during past few days. The actual average maximum temperature is 0.5°C higher and minimum temperature is 0.1°C lower as compared to their normal values.

Contingency measure:

- Wheat: Maturity: Harvest the crop and Protect from damage of birds.
- Gram: Pod Development: Protect from birds.
- Maize: Grain filling: Maize stem borer: Apply methyl-o-demeton 25 EC 10 ml or carbaryl 50% W.P. 40 gm in 10 lit. of water after 20 - 25 days.
- Castor: Maturity: Harvest the matured spike in early morning hours.
- Mango: Pea size fruit: For the control of Mango hopper Spaying of Imidacloprid 5ml in 10 lit water at 10 days interval.
- Banana: Vegetative Growth: Due to rise in temperature thrips can be attack on banana crop. To control it spray malathion 50 EC 20 ml or Quinalphos 25 EC 20 ml in 10 lit water with added sticker.
- Cattle: Keep indoor at night time, give dry fodder twice a day and normal water given for drinking.



**Figure: 1. Latest available satellite picture as on 03 March 2018 at 0230 Hrs (IST).
(Source: IMD).**

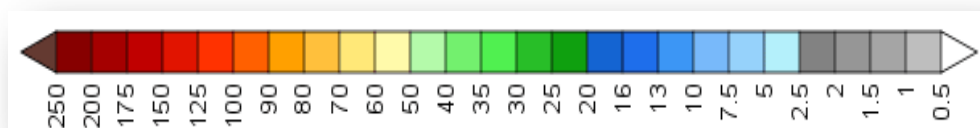
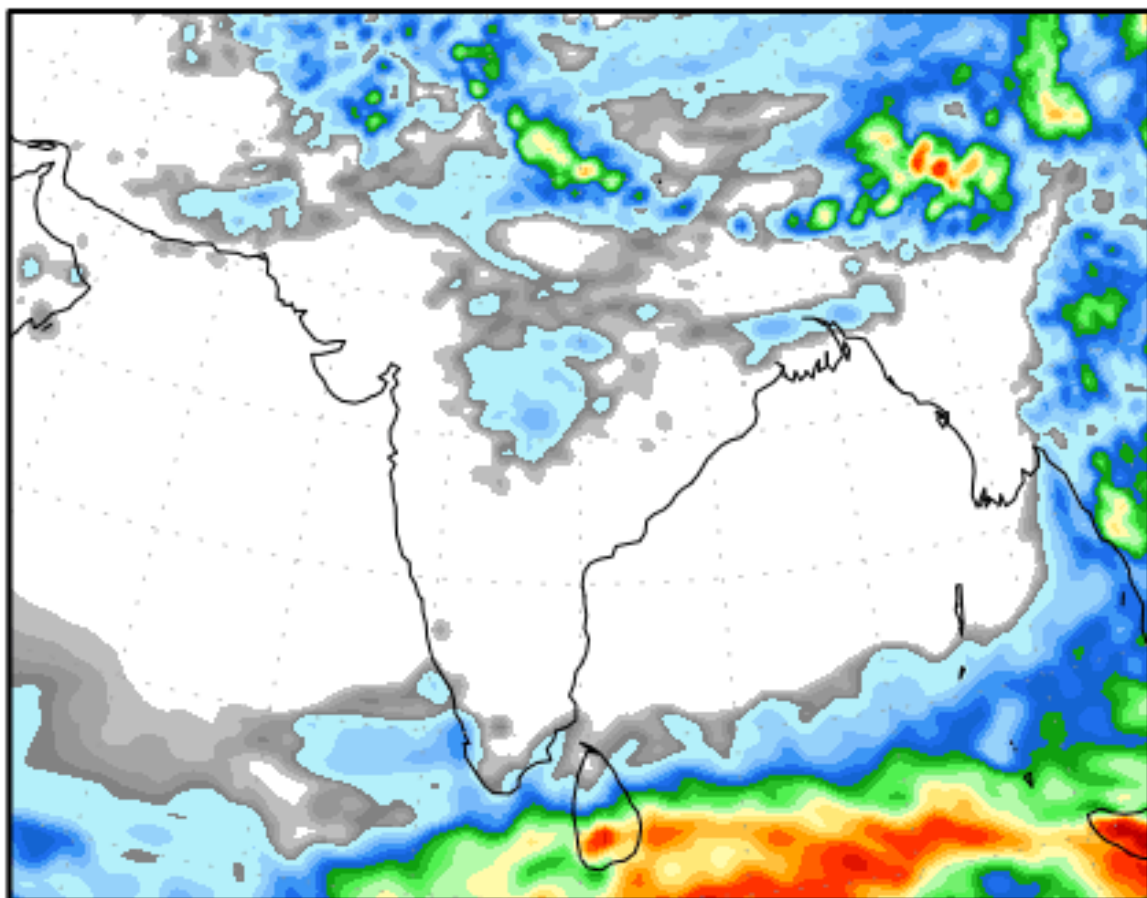


Figure: 2. Precipitation forecast for 03 March to 11 March 2018 (Source: NOAA NCEP).